Contents

Why Lancaster? 02
Inspiring research and teaching 04
Global University 06
International students 08
Life at Lancaster
   Our location, campus and The Graduate College 10
   Recreation and culture 12
Accommodation 14
Postgraduate study
   Study facilities 16
   Supporting you 18
   Supporting your future 20
   Study options 22
   Doctoral Training Centres 24
Finance and funding 26
Applying to Lancaster 28
Our programmes
   Arts and Social Sciences 30
   Health and Medicine 98
   Management 124
   Science and Technology 168
Essential Information
   Campus map 222
   Travel details 224
   Taught programme index 226
   Official overseas representatives 230
   Contacts 232
Postgraduate Visit Days 233
Welcome to Lancaster University
an international community of scholars.
Why Lancaster?
1. **Lancaster University is one of the UK’s top ten universities**
   Lancaster is ranked 10th in the UK in the Guardian University Guide. There are more than 120 universities in the UK.

2. **We’re great at nurturing talent**
   Our commitment to Doctoral Training Centres represents a new approach to postgraduate study, attracting and nurturing talented and skilled researchers to secure the future supply of graduates in specific disciplinary areas.

3. **We invest in our campus**
   We have invested over £450m into our campus buildings and facilities in the last ten years with a further £135m planned for the next three years. This investment includes a new Engineering building, the refurbishment of the Library, Physics and Chemistry facilities and a £20m sports centre and sports facilities.

4. **We’re global**
   Lancaster has a huge number of teaching and research links around the world which provide exciting opportunities for students to study or work abroad. There are strong links with universities in the US and China. Lancaster also operates in Ghana, India, Pakistan and Malaysia. In total, the University has 5,000 students studying for Lancaster degrees outside of the UK.

5. **We’re collegiate**
   Lancaster is one of a small number of leading UK universities to operate a college structure. All students (and staff) join one of our nine colleges – Bowland, Cartmel, County, Furness, Fylde, Grizedale, Lonsdale, Pendle and as a postgraduate student you would join our Graduate College. Each college has its own history and traditions. This creates a more supportive student environment AND more opportunities to get involved in activities.
Inspiring research and teaching

Our high quality research feeds into our high quality teaching. 12 of our outstanding teachers have been recognised as winners in the prestigious National Teaching Fellowship Scheme organised by the Higher Education Academy.

But it’s not just the league tables and awards that confirm our standing, the projects that follow are testament to the passion for world changing research at the heart of Lancaster University’s ethos. They’re also a taste of what’s to come should you choose to study here.

Conquering cancer

Lancaster University is taking part in a UK research initiative which is bringing significant improvements in the diagnosis, treatment and prognosis of three of the world’s most common forms of cancer. Prostate, cervical and oesophageal cancers can be treated successfully, if diagnosed early enough, but new techniques are needed to accurately diagnose the three cancer types much earlier than any current conventional tests allow.

This major collaborative project funded by the Engineering and Physical Sciences Research Council (EPSRC) and involving four leading UK Universities and three NHS hospital trusts, is being carried out at the Science and Technology Facilities Council’s (STFC) pioneering ALICE accelerator facility.

The instruments on the ALICE accelerator enable the team to look at cancer cells in a new way, revealing the character and chemical processes that underlie the malignant behaviour of these three cancers.

The findings from these studies will be used to develop a new generation of portable and affordable cancer diagnosis instruments, in addition to aiding the development of new treatment therapies.

Pioneering research into materials of the future

Graphene is the world’s strongest, thinnest and most conductive material. New research, published in Nature Physics by an international team including Lancaster University academics, has found that combining black and white graphene can change the electronic properties of the one-atom thick material. These findings are likely to increase the opportunities for using graphene in electronic applications.

The researchers from Lancaster University include Professor Vladimir Falko, Dr Xi Chen and Dr Leonid Ponomarenko (who is also based at Manchester). The team is led by Nobel Laureate Sir Andre Geim and Dr Artem Mishchenko from the University of Manchester.

This research is part of a 10 year European ‘Graphene Flagship’ project, which started in 2013, with a €54m budget for 76 academic institutions and companies in 17 countries. It will unfold into a €1bn program in the EU Framework Horizon 2020.

The fundamental studies of extreme materials at Lancaster extend far beyond graphene, into the next generations of two-dimensional atomic crystals including boron nitride and various metal calcogenides.
New social sciences centre opens
Lancaster University has recently added a new £4.1m Centre for Corpus Approaches to Social Sciences (CASS) funded by the Economic and Social Research Council (ESRC). CASS was formally opened in July 2013 by former Home Secretary Charles Clarke who is also a visiting professor at the University.
CASS is designed to bring a new method in the study of language – using computers to analyse patterns in large collections of naturally occurring speech and writing – to a range of social sciences. Through its research, the Centre is providing insight into the use and manipulation of language in society in a host of areas of concern including: climate change, hate crime and education.

Examining how the NHS works
Lancaster University Management School has led the largest analysis ever of the culture and behaviours in English NHS. The findings indicate that the desire for high quality care within the English NHS is often mired in excessive box ticking and regulation, unclear goals and variable staff support.

The two-year research programme, whose findings were published online in *BMJ Quality & Safety*, used a wide variety of sources to accrue more than 650 hours of observation. This included 300 interviews with senior level executives, managers, and frontline staff; numerous patient and carer surveys; hundreds of sets of board minutes and published datasets on performance in all types of NHS trust; and cultural (ethnographic) case studies of hospital wards, primary care practices and emergency care departments.

The authors made several recommendations for improvement, which informed government reports on patient safety in England. These recommendations included having clear and explicit goals, coherent from ward to Whitehall; obtaining, and acting upon, good intelligence on their performance; constantly reviewing, strengthening and improving all their systems – including developing person-centred cultures.

Calculating carbon loss in the Amazon
An international team of researchers, led by Lancaster University, has found that the human impact on the Amazon rainforest has been grossly underestimated. New research indicates that selective logging and surface wildfires can result in an annual loss of 54 billion tonnes of carbon from the Brazilian Amazon, equivalent to 40% of the yearly carbon loss from deforestation.

This is the largest ever study estimating above and below ground carbon loss from selective logging and ground level forest fires in the tropics, based on data from 70,000 sampled trees and thousands of soil, litter and dead wood samples from 225 sites in the eastern Brazilian Amazon.

So far, climate change policies on the tropics have focused on reducing carbon emissions from deforestation only, not accounting for emissions from forest degradation. This research, published in *Global Change Biology* and carried out by ten researchers from 11 universities and research institutes in Brazil and the UK, demonstrates the importance of a wider assessment of carbon loss.
Global University

Now in our 50th year, we are proud of our international reputation as a centre for excellence in teaching and globally significant research.

On campus
Our academic staff provide the highest standards of teaching to more than 12,000 students. We have a diverse academic community, with a third of our staff originating from overseas. More than half of our postgraduate students come from outside of the United Kingdom.

At Lancaster you will have an opportunity to mix with people from all over the UK and abroad, bringing you a world of different ideas and experiences to broaden your horizons and develop your intercultural skills ready for a future international career.

The University is committed to solving major global problems through research and teaching. Collaborating with other universities and sharing knowledge with academic institutions and communities throughout the world is a key part of Lancaster’s mission.

Lancaster academics publish work of international significance. They also maintain strong ties to institutions across the world and participate in many of the leading networks of scholars and policy makers. For example, our scientists in the Lancaster Environment Centre work with China to tackle drought and world food shortage and their research also targets treatment for tropical disease such as river blindness; we play a leading role in graphene research and shaping future EU policy on innovation based upon this ‘wonder material’.

Building on our strong links with China, the £5.1m Lancaster China Catalyst Programme – created by Lancaster University and part-funded by the Higher Education Funding Council’s Catalyst Fund, the University and Lancashire County Council – provides a unique opportunity for students to work with businesses in both the UK and Guangdong Province, China, in multi-disciplinary teams on specific business-led research projects in Guangdong province. Graduates can major in Environmental Sciences, Computer Science, Engineering, Entrepreneurship or Design for a new MSc in International Innovation.

Overseas
Lancaster’s international community also extends far beyond the campus with research, teaching, and student exchange partnerships with leading universities and institutions in 26 countries across the world.

There are over 4,000 students studying on our dual degree programmes, these are delivered with partner universities GD Goenka World Institute India, Sunway University Malaysia and COMSATS Pakistan. Students who study one of our dual degree programmes will graduate with full degrees from both Lancaster and the partner university. In 2011, Prime Minister David Cameron highlighted the collaboration with Comsats (Pakistan) in his April visit to Islamabad.

We have recently opened the first British branch campus in Ghana which will allow students across Africa to access Lancaster’s academic excellence in teaching and research on the African continent. A wide range of both undergraduate and postgraduate courses will be available including Accounting and Finance, Business Studies, Computer Science, Economics, Global MBA, International Relations, Law, Marketing, Politics and Psychology.
We have many other collaborations around the globe including institutions in China, India, Jordan, Kazakhstan, Malaysia, Nigeria and Pakistan.

Lancaster has the highest level of student volunteering in the UK, and this extends to the partner institutions abroad. Students at Lancaster and our overseas partners are able to participate in a global summer school programme, where students are able to develop their skills in community, academia and politics.

Lancaster has a well-established and prestigious Confucius Institute, a major new hub for Chinese language and culture on campus which will complement the extensive China research and teaching activities across the University.

**International Alumni Network**

Upon graduation all Lancaster students join a community of alumni spread across the world with thriving in-country networks.

This international community includes high profile alumni working overseas who support the University and add value by sharing their knowledge and expertise with current students.

Our Alumni Relations Programme keep in touch with our graduates, for more information about the events that take place please visit [www.lancaster.ac.uk/alumni](http://www.lancaster.ac.uk/alumni)
International students

Our international reputation for academic excellence, combined with our world-class facilities, attracts more than 2,500 international students from around the world. We offer a vast range of nationally and internationally acclaimed postgraduate programmes.

How to apply
All prospective international postgraduate students should follow the application procedure outlined in the section 'Applying to Lancaster' on page 28.

Entry requirements
We accept a range of international qualifications which can be found on our website www.lancaster.ac.uk/study/postgraduate/international-qualifications/

If you have any questions about qualification requirements please contact the International Office or one of our overseas representatives (see page 230). You can also find country specific information on our website www.lancaster.ac.uk/find-your-country

English entry requirements
If your native language is not English you will need to ensure that you meet our minimum English language standards. These may vary by faculty:

- IELTS: 6.5-7.0
- ToEFL: 93-100
- Pearson (PTE Academic): 62-70
- Cambridge CPE: Grade C

Please note: minimum scores in individual test elements also apply.

Pre-sessional English courses
If you have taken an approved English language test but do not meet the minimum entry requirements for your chosen degree programme, you can take one of our Postgraduate English Language Preparation Courses. The courses are designed to help you increase your English level to IELTS 6.5 or 7.0 and also develop your academic study skills.

Courses are between four and 40 weeks in length and require IELTS 4.0 overall or equivalent. If you do not meet the minimum English entry requirement for your degree programme, you will automatically be sent information about the courses that are suitable for you. For more information please visit www.lancaster.ac.uk/study/international-students/pre-sessional-english-language

Official overseas representatives
We have a number of official representatives based around the world. They are able to help you to make an application to Lancaster, provide visa advice and support you with any other matters you would like to discuss.

You can find a full list of our overseas representatives on page 230.

Accommodation
www.lancaster.ac.uk/PGAccommodation

As an overseas postgraduate student you are guaranteed single on-campus accommodation for your first year of your study provided you meet all the conditions.

Details about accommodation will be sent to you automatically from May onwards once you have accepted your offer of a study place. Off-campus accommodation is also available and you can get help with finding it from the Students’ Union. Please see www.lusu.co.uk/services/housing for further information.
Support
www.lancaster.ac.uk/
sbs/international

Our range of services covers pre-arrival preparations and support throughout your studies. You will receive pre-departure information on visa procedures and immigration and you’ll be offered a pick-up service from Manchester Airport.

Alongside our full range of support services for all postgraduates, we offer specific support to international students including free academic learning support, English language support, immigration advice and family support. We also organise a number of social events throughout the year.

Please also see the ‘Supporting you’ and ‘Supporting your future’ on pages 18 to 21.

Community

Our campus is located near to Lancaster city centre, and with regular buses journeying from the campus to the city centre it is quick and easy for you to get around. The university is well integrated with the local community, sharing amenities on campus such as the sports centre and health centre.

Please also see ‘Supporting you’ and ‘Supporting your future’ on pages 18 to 21.

Societies
www.lusu.co.uk/get-involved

At Lancaster University Students’ Union (LUSU) we have over 180 affiliated societies, of which around 30 are international groups, so there really is something for everyone. Societies are a great way to meet new people and try out new things. Whether you join a group or sports team, volunteer on one of our projects, or even start your own business these are great experiences which will help to enhance your CV.

Careers

Lancaster University is dedicated to ensuring you graduate with a globally recognised degree along with relevant life and work based skills. Leading employers visit our campus throughout the year to attend careers fairs, workshops and events.

Here are just a few of the employers our graduates have secured jobs with:

Accenture, Audi, Bank of America, Barclays, Bentley, Citigroup, Coca Cola, Deloitte, Ernst & Young, Fujitsu, GE Healthcare , Grant Thornton, GSK, HP, IBM, Intel, Jaguar Land Rover, Johnson & Johnson, KPMG, L’Oreal, Mars, Microsoft, Tesco, Rolls Royce PLC, Unilever, Vauxhall.

Please see ‘Supporting your future’ on pages 20 to 21.

Alumni

www.lancaster.ac.uk/alumni

Once you have completed your studies you will join Lancaster’s global network of over 120,000 alumni from 160 countries. Our Alumni Relations Programme will provide continued support for you. We offer a wide range of alumni activities and networking opportunities and you will also be eligible to become part of one of our many alumni groups around the world.

Meet our staff overseas

www.lancaster.ac.uk/study/international-students/visits-to-your-region/

Our International Office staff regularly travel to over 20 countries to meet students interested in studying here. On these visits you can meet us and get advice and guidance about applying to Lancaster; check our online schedule for details.

Contact

The International Office
Lancaster University
University House
Lancaster LA1 4YW
Tel: +44 (0) 1524 592037
Email: internationaloffice@lancaster.ac.uk
www.lancaster.ac.uk/study/international-students

Aristotelis Charalampous
Cypriot Student

Lancaster University is more than a place to study. It is a place to learn more about one’s self and about people and cultures all over the world. “Studying” as a term is reinvented here, as it encompasses many aspects of life rather than just subjects that relate only to your course. This element is what makes studying at Lancaster University a once in a lifetime experience that I would not want anyone to miss! 😊😊

For more information please go to www.lancaster.ac.uk
Life at Lancaster

The University provides an outstanding and welcoming postgraduate experience. Located in a beautiful setting, our 360 acre campus is just three miles from the historic city of Lancaster.

Our location and wider region
www.lancaster.ac.uk/explore

Lancaster students not only study in one of the safest self-contained campuses in the UK, but also have some of the country’s most unspoilt spots on their doorsteps – from country villages, seaside resorts and the lush countryside of the Lake District and Forest of Bowland to the historic and vibrant City of Lancaster.

Lancaster city is buzzing with charm and friendliness and boasts trendy cafés, cinemas, nightclubs, restaurants and pubs, as well as small independent boutiques and well known high street outlets. A vibrant music scene, live theatre throughout the year and an annual literature festival add to the cultural picture.

Lancaster’s diverse mix of city, coast and countryside adds a new dimension to the student experience. Whilst those studying at Lancaster have all the benefits of a campus ‘village’ at their disposal, there’s so much more to explore and discover within the city and the local area.

Campus

Our campus has recently benefited from investment in new college, residential and social facilities, new and refurbished teaching spaces and new research facilities. Current redevelopment projects taking place across the campus include:

- The Library refurbishment project, which will increase usable technology and improve the ambience of the building, has just begun and is due for completion in 2016.
- Development of a state-of-the-art building for the Engineering Department to replace existing facilities and provide additional areas for future growth. It will open at the end of 2016.
- A £26m investment to redevelop the Chemistry facilities, namely the Faraday building. Phase 1 of the refurbishment will be complete in December 2014 and Phase 2 in September 2015.
- A £4m refurbishment of some of the University’s residential accommodation, Bowland Tower and the East and South wings. The project is now complete.

We are committed to continued investment for the future (£135m to 2017) to ensure we continue to exceed expectations.

The Graduate College
www.lancaster.ac.uk/graduatecollege

Lancaster University has a vibrant collegiate system of nine colleges. The Graduate College comprises more than 2,000 postgraduate students and provides a range of services to support you during your time at Lancaster, including affordable accommodation, social and study facilities (common room with kitchen, games room, TV room/group study room and computer lab), and its own dedicated award-winning bar (The Herdwick).

The Postgraduate Board acts as the main body for the University’s postgraduate students. College members are invited to stand for the board, which is elected annually.

The Graduate College’s friendly, international community celebrates and encourages diversity and provides members with an ideal opportunity to broaden their horizons and make lasting friendships. It also provides an unrivalled environment for members to develop academically, and the extra-curricular activities and opportunities provided ensure that each postgraduate student’s experience is rewarding.
Recreation and culture

The campus offers many opportunities for recreation and culture from our new £20m sports centre to our own cinema, theatre, art gallery and concert series.

**Sports Centre**
[www.lancaster.ac.uk/sports-centre](http://www.lancaster.ac.uk/sports-centre)

Opened in 2011, the Sports Centre has an eight lane, 25m swimming pool with the latest touch pad timing equipment, as well as a fitness suite, featuring a split-level 100-station gym with an extensive range of cardiovascular and resistance machines and free weights, all supervised by a dedicated personal training team.

The 8.5m climbing wall, featuring 17 belay lines and a bouldering cave, was designed with input from renowned mountaineer Sir Chris Bonington. The sports hall has been designed to accommodate a variety of different sports in one space; from all traditional indoor sports to trampolining. Martial arts, spinning, dance, Pilates and yoga classes all take place in The Studio.

Other facilities include a sauna and steam room, four glass squash courts, a meeting room, a physio/sports injuries clinic, changing rooms for indoor and outdoor facilities, extensive grass pitches for rugby and football, eight tennis courts, five netball courts, three artificial pitches, two multi-use games areas, and a woodland walk and trim trail.
Live at LICA
The Lancaster Institute for Contemporary Arts (LICA) brings a wealth of UK and International artists of the highest calibre to Lancaster every year. A varied programme of professional theatre, dance, exhibitions and concerts has been developed for public, staff and students to experience both on and off campus.

Presenting much of its programme at the Peter Scott Gallery and Nuffield Theatre venues, situated at the north end of campus, Live at LICA’s purpose is to cultivate excellence and engagement within the performing and visual arts. Live at LICA plays a key role in the arts ecology of the North West and is linked to the courses and ethos of Lancaster University.

Follow Live at LICA on Twitter or Facebook to find out what’s on, and book tickets online at www.liveatlica.org

The Peter Scott Gallery
A small gem of a gallery that hosts the Live at LICA exhibitions and artists’ talks, which are open to the public free of charge. The Peter Scott Gallery is also home to the University’s international art collection, which includes Japanese and Chinese art, antiquities, works by twentieth century British artists, and prints by significant European names such as Dürer, Miró, Ernst and Vasarely. It’s the venue for the LICA Fine Art undergraduate and postgraduate art exhibitions.

The Nuffield Theatre
One of the largest professional studio theatres in Europe, focusing on new and experimental work, the Nuffield is “the place [in England] to see the most innovative new work,” according to The Guardian Insider’s Guide to the Arts 2010.

Live at LICA hosts public performances of theatre, contemporary dance and live art at this venue alongside public performances by Lancaster students and societies and local community organisations.

Concert Series
Live at LICA facilitates a classical music programme on Thursdays at the Great Hall venue during the autumn and spring terms. The BBC Philharmonic, Opera North and Tchaikovsky Symphony Orchestra of Moscow Radio are just some of the orchestras who’ve performed over the years. Recent seasons have welcomed world-renowned pianists Pascal Rogé and Nikolai Demidenko playing on Lancaster University’s Steinway grand piano, acquired in 2012.

The Students’ Union (LUSU)
www.lusu.co.uk
We look after all of the societies and sports clubs on campus as well as putting on big events like Roses and Grad Ball. And of course, we’re here to help you expand your social network.

LUSU sports
www.lusu.co.uk/get-involved/sport/
Our LUSU sports clubs compete in the British Universities and Colleges Sports (BUCS) leagues, competitions and tournaments. We have over 35 sports clubs ranging from American Football to Korfball as well as the staples of rugby, netball, football and hockey, who all compete against other institutions regularly.

The ‘Roses’ weekend, a varsity tournament pitting Lancaster University against rivals York University, is an annual highlight of the inter college sports calendar. There are also plenty of weekend opportunities to play sport.

Take 2 Cinema
www.cinema.lusu.co.uk
Lancaster University is one of the few universities with its own student 3D cinema located on campus. The best equipped student cinema in the country, it shows a broad range of movies from recently released blockbusters through to world cinema films and old classics. Run by the LU Film Society, the cinema shows films five nights each week during term time at affordable prices.

Societies
http://lusu.co.uk/get-involved/societies/
Nearly half of our students are members of one of our various student groups. There are now over 180 LUSU affiliated societies (around 30 international groups). They exist to support the interests and hobbies of students. Societies are available to join all year round, with more groups forming on a weekly basis. If we don’t currently offer a society you’re interested in, it’s very easy to set one up. They are a great way to make friends and get involved.
Accommodation

Many of our postgraduate students live on campus in the purpose-built Graduate College, on Alexandra Park. Lancaster University Accommodation retained the prestigious title of 'Best University Halls' in the National Student Housing Survey of 120 UK institutions for the fifth year in 2014. We are also one of only 11 institutions to hold the International Accommodation Quality Mark, awarded where satisfaction among International students was at 90% or higher.

Accommodation guarantees
If you are a full-time postgraduate student from outside of the EU you are guaranteed single on campus accommodation for the first year of study if you complete your online application by 15 August (having already sent firm acceptance of a place on a full-time course of nine months or more, beginning in September or October).

EU students receive the same guarantee if a residence application is returned by 1 August.

Families and couples
The campus has a limited number of self-contained, furnished family flats ranging from one to four bedrooms. There are also some self-contained studios with a larger bed, small kitchen and dining area available too.

Specifically adapted accommodation is available to students with disabilities, including ground floor rooms for wheelchair users or students with restricted mobility. Please specify your needs when applying.

2014-2015 weekly rents including heating, lighting, water, network connection and cleaning (townhouses and studios do not have a cleaning service):
- Standard rooms, £100.80
- Standard townhouse rooms, £112.56
- En suite rooms, £119.70
- Superior en suite rooms, £122.85
- Single studios, £146.55
- Double studios, £164.50

Award-winning accommodation
Lancaster has retained the accolade of Best University Halls for the fifth year running in the 2014 National Student Housing Survey. Our accommodation was also found to have the best value for money in the survey.

Checklist
- All rooms are self-catered, single bedrooms with study space
- All rooms have Wi-Fi and wired data points for access to email, Internet and the campus network
- Most rooms are en suite
- Shared kitchen facilities include cooker, microwave, fridge and freezer
- Campus has shops, eateries, social facilities and laundrettes

Most bedrooms in the College are en suite, with private shower and toilet facilities and between four and nine students share the kitchen facilities. There are also some self-contained studios with a larger bed, small kitchen and dining area available too.

Letting periods and residence charges
Rooms are let on a 50 week basis (late September-September) or a 40 week basis (late September-July). Payment is termly, in advance, by invoice.

Award-winning accommodation
Lancaster has retained the accolade of Best University Halls for the fifth year running in the 2014 National Student Housing Survey. Our accommodation was also found to have the best value for money in the survey.
Applying for campus accommodation

We’ll send you details about the application process once you confirm acceptance of our study offer (from April onwards). You apply for your room in Graduate College or Family Flats online, you will then be sent an offer and will need to pay a refundable accommodation deposit of £200.00 for a single study room or £275.00 for a family flat, all deposits are paid online using a credit card.

Contacts

Graduate college accommodation enquiries:
The Graduate Residence Officer
Graduate College
Lancaster University
Lancaster LA2 0PF
Email: gcro@lancaster.ac.uk
Tel: +44 (0)1524 593342

Campus flat enquiries:
The Flats Administration Officer
Accommodation Office
University House
Lancaster University
Lancaster LA1 4YW
Email: flats@lancaster.ac.uk
Tel: +44 (0)1524 593554

Off-campus accommodation

LUSU Living is a dedicated housing service for postgraduates wanting to live off campus; we offer a range of good quality houses and flats throughout south Lancaster for individual students and students with families.

Our postgraduate housing options are released immediately after Easter, which means you can start looking for a property as and when it’s convenient.

We manage 250 properties throughout Lancaster, making us the city’s largest landlord, and you can apply by visiting our offices on-campus and in the city centre, emailing us, or completing our online registration form.

All of our LUSU Living properties are accredited or licensed through Lancaster City Council and benefit from a comprehensive repairs service, homecare cover for our boilers and an emergency out of hours service.

Shared houses (approx £85/week/student)

Shared houses typically have a shared lounge and bathroom facilities, and a private bedroom. All our shared household rents include utilities, wireless broadband, personal contents insurance, a TV licence, a regular cleaning service and are let on a standard 50 week fixed term lease. We have some great shared houses which offer real value for money.

Modern shared flats (approx £100/week/student)

LUSU Living also manage shared flats, such as the luxury two bed flats in Lancaster’s Kingsway development. These usually have en suite facilities and rent includes utilities, a cleaning service and broadband.

Small houses/flats (approx £115 – £130 per property/per week)

Our affordable self-contained properties for couples/families have one, two or three bedrooms. Rents typically include water charges and any service charges, but exclude all other utilities and taxes, although we can provide broadband at an extra cost if required.

Off-campus accommodation enquiries:

Bowlan College
Lancaster University
Lancaster LA1 4YT
Tel: +44 (0)1524 592170
Email: lusu.living@lancaster.ac.uk
www.lusu.co.uk/living/

Family Life

On campus, there is a strong community of postgraduate students with young families and a whole host of support services available.

To find out more about the support and services available for students moving to Lancaster with their families, visit www.lancaster.ac.uk/students-with-families

For more information please go to www.lancaster.ac.uk
Postgraduate study

Study facilities

Our students have access to excellent study facilities. From the Library and the Learning Zone to our e-learning resources, we have invested in the latest technology and equipment in support of your learning experience. This is all backed up with unrivalled service and support provided by our Information Systems Services team.

IT facilities
www.lancaster.ac.uk/iss

Access to IT is crucial to postgraduate life at Lancaster, and Information Systems Services (ISS) is dedicated to providing you with the best IT facilities. You will have access to:
- High bandwidth connection to the IT network and Internet in your room on campus
- Wi-Fi access in your room and across campus
- University email with access to calendars and the University address book
- Secure personal network storage space on the University network (also accessible off campus)
- Online collaboration spaces for joint research work
- Online learning spaces to submit assignments, view lecture recordings, access interactive reading lists, and more
- Student portal, providing personalised access to your online learning spaces, and access to your timetable and online student record

- A wide range of academic, business and accessibility software, with many applications available for you to install on your own PC
- Over 1,000 PCs across campus plus scanners and printers, accessible 24/7, located in the Library, PC Labs, departments and colleges
- The iLancaster mobile app providing access to resources including your course timetable, bus timetables, campus locations, sports centre bookings, personal library and finance account information
- Flexible informal learning spaces in the Learning Zone and Library
- A laptop loan service, so you don’t always have to carry your own
- Support and assistance from the ISS Service Desk and access to free online or face-to-face IT training
- IT support at ‘The Workshop’, a campus-based service providing cost-effective support if your laptop, PC or Mac breaks

The Library
www.lancaster.ac.uk/library

Our Library offers you access to more than 30,000 e-journals, 300,000 e-books plus a wide range of other electronic and physical resources.

The Library building is currently undergoing a substantial refurbishment, which is due to be completed by the start of 2016. During the period of the refurbishment the number of Wi-Fi enabled reader spaces within the building will temporarily be reduced to around 530 and the number of PC workstations to around 200, with additional study spaces made available elsewhere on campus. Please refer to the Library’s webpages for full details of interim arrangements and the enhanced facilities to be introduced from January 2016.

Our discovery service, OneSearch (http://onesearch.lancs.ac.uk/) will help direct you to the materials you need, and online guidance is available from our webpages to help you with specific services, collections and information resources (http://lancaster.libguides.com/).
The Ruskin Library
www.lancaster.ac.uk/ruskin

The Ruskin Library houses the foremost collection of the nineteenth century’s most famous English critic of art, architecture and society – John Ruskin (1819–1900). The main holding of the Ruskin Library is the Whitehouse Collection of material relating to John Ruskin and his circle. The Collection, which belongs to Education Trust Ltd, is in the care of the Ruskin Foundation, based at Lancaster University. The Foundation also manages Brantwood, Ruskin’s home on the eastern shore of Coniston Water.

In the public galleries we display changing selections from over 2,000 drawings, of which 1,000 are by Ruskin. Others are by his friends and associates, including Samuel Prout, Edward Burne-Jones and Francesca Alexander. We also regularly exhibit work by contemporary artists inspired by Ruskin. Electronic and digitised resources include the Library Edition of Ruskin’s Works as well as Ruskin’s diaries, Venetian Notebooks and other manuscripts. It is now combined with the former Ruskin Centre, offering postgraduate seminars and teaching, mostly through the Department of English and Creative Writing.

Student Portal and online learning
www.lancaster.ac.uk/portal

The Student Portal gives you access to your email, timetable, notes and much more. You can even check when your library books are due back or sign up for learning activities.

One of the useful things you will find on the portal is a list of your taught or research training modules and access to related online resources.

Your interactions with the portal will differ according to your tutor’s preferences but it will usually include library resource lists, video and audio materials, discussion boards and collaborative activities.
Supporting you

Lancaster University supports every student in making the most of their education and life at Lancaster. We offer a range of services that are free and easy to access throughout your time here.

**The Students’ Union (LUSU)**

www.lusu.co.uk

We provide representation, advice, services, and opportunities for students and ensure that students’ voices are heard within the University. And of course, we’re here to help you expand your social network.

There are many ways for postgraduates to get involved – from attending our forums to becoming a departmental academic representative; it’s a good way of meeting people and developing skills. You can also be involved by standing for an elected position on the Postgraduate Board, run jointly by LUSU and Graduate College.

**LUSU Education and Support**

LUSU Education and Support is part of the Union which works to support students at Lancaster University and its partner institutions across the globe. The service is solely for the benefit of students; it is central to representing and promoting the interests of both individual students and the student body as a whole.

LUSU Education and Support has a professional and experienced team of staff and officers who provide students with free, independent and confidential advice. Members of our team have their own areas of expertise, however, any of our advisers will be able to deal with any issues you may have. We can help solve problems you may face as a postgraduate student, including academic, accommodation, welfare, money, consumer and employment issues.

**Student Based Services**

www.lancaster.ac.uk/sbs

Student Based Services provides easy access to support that enhances your postgraduate experience. We work closely with colleagues across the University to provide advice and guidance on a range of academic and non-academic issues from welfare to funding, health to accommodation.

All services are available via The Base, our one stop enquiry desk at the front of University House, where friendly staff will do their best to help you or arrange an appointment with a specialist adviser.
Counselling and mental health
www.lancaster.ac.uk/sbs/counselling
www.lancaster.ac.uk/sbs/mentalhealth

Our private and confidential service covers all aspects of mental health and well-being.

Disability
www.lancaster.ac.uk/sbs/disabilities

Support is available on disability issues relating to all aspects of living and learning at Lancaster, including assessment and support for dyslexia, assessments for study aids, funding applications and social care support.

Funding
www.lancaster.ac.uk/sbs/funding

We can provide information, advice and guidance on student funding and financial aid, including help with Government and University funding, administration of financial aid schemes, guidance on living costs, and help with budgeting.

Registry
www.lancaster.ac.uk/sbs/registry

Staff can provide assistance with academic record matters, registration, module enrolment, academic review and appeals and provide student status letters.

International Student Advice Service
www.lancaster.ac.uk/sbs/international

Our International Student Advice Service can help with pre-arrival needs, cultural adjustment, visa information, social activities, financial issues, debt problems, and working in the UK.

Chaplaincy Centre
www.lancaster.ac.uk/chaplaincy

The Chaplaincy Centre is a place where you can pray and worship, reflect and contemplate, explore faith issues and ask questions. You can also come to meet others and find support and encouragement.

Pre-School Centre
www.lancaster-preschoolcentre.co.uk

With excellent Ofsted reports, fully qualified staff and 158 places split between two age groups – three months to two years and over two years – the Pre-School Centre is here to provide high quality childcare in support of students and staff with young children. Whilst fees are charged, we can advise you on how to claim back some of the costs.

Health services
www.lancaster.ac.uk/sbs/health
www.naturalhealthcare.org.uk

All students must register with the Bailrigg Health Centre (surgeries on campus and in Lancaster) or with another local GP. We also have a DENPLAN-accredited dentist and a pharmacy on campus. The Natural Health Care Centre offers complementary health treatment including Acupuncture, Alexander Technique, Aromatherapy and Reflexology.
Supporting your future

Whether you wish to open the door to faster career progression or lay the foundations for a bright future in academia, the University offers many levels of practical and specialist support to get you there.

**Departmental support**

From the simple, practical things like photocopying, computer, telephone and fax facilities to specialist support such as research supervision and personal development planning, your department will play a pivotal role in your postgraduate experience.

You can expect excellent resources, high quality supervision, access to world-class academics (Lancaster’s own and visiting), expertise and experience of producing world-changing research, and a departmental and faculty research seminar series at which leading researchers from other universities present their latest work.

Your department can help with funding to support your research activities (external training courses and conference attendance, for example). And, of course, you will always have full student representation in the University’s decision making through departmental and faculty committees.

**Personal development**

Lancaster University provides structured support for you to reflect on your learning and development through an online personal space. This provides opportunities to write about and reflect upon your experience – learning, research, and teaching – and to share with peers, tutors, supervisors and even people external to the university. It provides you with a means to enhance your awareness of the skills and qualities you are developing, gain feedback from others on your progress, and develop a record to inform future research and career choices.

**Research Training Programme**

Undertaking research at postgraduate level is a considerable challenge requiring a variety of skills – both subject skills and skills of a more general, transferable nature. In line with the National Researcher Development Framework, each faculty at Lancaster offers a comprehensive Research Training Programme to support the development of our research postgraduates.

The programme ensures that our graduates are ideally equipped with the attributes needed to enter high level employment. Much of this training takes place face-to-face within the faculties. Some takes place elsewhere on campus, for example, in the library, by our careers service or in the Postgraduate Statistics Centre.

Some training materials are available through Doctoral Training Centres such as NWDTC, STOR-i, HighWire and NOWNano. We also provide online training.

Postgraduate research students are encouraged to attend research training events regardless of where they are organised. Subject to space, the modules on each faculty’s research training programme are open to all students across the University.
Careers
http://www.lancaster.ac.uk/careers

Lancaster University is proud of its reputation for creating highly qualified, employable postgraduates. Our careers support will help you negotiate and succeed in an ever more complex and competitive job market.

We provide an extensive range of services and activities to help you make informed decisions about your career options:

- A range of career development programmes designed to meet the specific needs of postgraduate students
- Individual Careers Adviser support in career choice, job search, recruitment and selection processes, psychometric testing, self-employment, enterprise skills and commercial awareness development
- Access to job vacancies, work experience and placements
- Careers resources online, accessible through our website
- We work with many of the top graduate employers, maintaining close relationships with industries and businesses to ensure we can keep you up to date with the latest recruitment opportunities and required competencies
- Access to thousands of vacancies from all sectors, via our online job board TARGETconnect and through our on campus Employment and Recruitment Service
- An annual Career Opportunities Fair and a programme of employer presentations and bespoke events throughout the year

The Lancaster Award
www.lancaster.ac.uk/careers/award

The Lancaster Award recognises your extra-curricular achievements and demonstrates your skills to employers. You take the award alongside your postgraduate studies by completing activities in: employability and career development; campus and community involvement and work experience.

Employment and Recruitment Service
http://www.lancaster.ac.uk/employment-and-recruitment-services

Finding flexible part-time work whilst on campus, or on your vacation break, can provide you with excellent work experience as well as extra funds. The Employment and Recruitment Service will help you find work on campus, in the local area or further afield. You can sign up to join our recruitment pool and get alerts from the online jobs board TARGETconnect. There are hundreds of temporary opportunities to explore, as well as a host of graduate schemes, paid placements, work experience or internships.

Lots of postgraduate students manage to combine work and study effectively but if you have concerns pop into Careers in the Base to find out more about how to find the right opportunity to suit your needs.

Alumni network
www.lancaster.ac.uk/alumni

You can take advantage of the alumni network for professional and social networking during your time as a student and beyond. With over 120,000 graduates in more than 160 countries worldwide you’ll find an active alumni network across the globe. Find out more online – we’re on the main website and you’ll find us on LinkedIn (linkd.in/LancasterUni) and Facebook (facebook.com/LancasterUniversityAlumni).

Education and support
www.lusu.co.uk/services/advice-support/

LUSU also have a specialist team of advisers with expertise in supporting postgraduates with educational issues. We offer guidance and support regarding your rights and responsibilities and can help with a broad range of issues from research students’ supervision to taught students’ teaching provision.

LUSU opportunities
www.lusu.co.uk/get-involved

LUSU offers worthwhile and interesting volunteering and enterprise opportunities to students such as helping in schools and community organisations, working with museums and charities or volunteering with young offenders. Green Lancaster is another initiative in which you can volunteer to make a positive difference to the environment and gain valuable transferrable skills in the process. Many of our events are run at the weekend so that you can fit your participation around your studies.

LUSU can also support you in becoming an entrepreneur if you are thinking of setting up your own business. We can help turn your ideas into reality with start-up-funds and links to business professionals.

Our international opportunities are about much more than a simple ‘exchange’ with our partner institutions around the world. You’ll gain a real understanding of the country you visit by volunteering on established projects, meeting with local government, networking with major corporate companies and learning about important international issues from leading academics.
Study Options

1. Research degrees

Our postgraduate students are an important part of our research culture and make up a third of our student population.

Internationally acclaimed as a research led university, we pride ourselves on our ability to produce world-changing research that is recognised to be cutting-edge, innovative and relevant by government, funding bodies, policy agencies and industry. Our postgraduate students are vital to our research activities and derive the benefits of working alongside experts at the forefront of their specialist fields.

Doctor of Philosophy (PhD)

Most doctoral students at Lancaster work on a traditional PhD by Research, including research training and an emphasis on conducting original research leading to a written thesis.

It is also possible to conduct original research and produce a series of peer refereed academic papers for publication, rather than a thesis. This leads to the degree of PhD by Alternative Format.

Master of Philosophy (MPhil)

An MPhil normally takes two years of full-time study, with an emphasis on conducting original research and writing up a research project that is of similar quality but smaller in size and scope than a PhD thesis.

Professional Doctorates

We offer three types of professional doctorates: Doctor of Medicine (MD), Doctor of Clinical Psychology (DClínPsy), and the Engineering Doctorate (EngD). Some of our PhD programmes also have variants that make them particularly suitable for part-time study.

Supervisors and research training

As a research student you will be allocated an academic supervisory team to help you formulate your research topic, offer advice as you carry out and write up your research and ensure that any problems are resolved at the earliest possible stage.

All research students will attend our research training programmes, which are designed to support you through your studies and help you to develop skills for your future career. More details of our Research Training Programme can be found in the ‘Supporting your future’ section.

You will also undergo a development needs assessment guided by your supervisor, when you first register, which will help in making sound decisions about what particular training is most appropriate for you. It will be updated annually and your training programme revised accordingly.

Some faculties also offer specialised research degrees such as PhD by Thesis and Coursework, Master of Laws (LLM), and MSc/MA (by Research). You can find full details of these research degrees in the relevant academic sections of the prospectus.
2. Integrated degrees (1+3)

Several of our courses offer students the option to take a bridging approach to postgraduate study. Known as Integrated degrees, or 1+3 degrees, they can be followed at a Masters level before progressing directly to PhD level. This progression is subject to reaching pre-agreed entry requirements during your Masters studies.

Although there is a taught component to these courses, they are ideal for those students who already have a clear idea of the field they would like to research and they are assessed primarily by dissertation.

Integrated degree courses are clearly indicated in our programme listings.

3. Taught postgraduate degrees

Our taught postgraduate degrees normally involve a combination of taught modules, coursework and a research dissertation. Some programmes enable you to carry out a real life research project for a company or organisation in place of the dissertation.

While most taught courses enable you to build upon your undergraduate studies some academic programmes are open to students with little or no prior academic experience in the subject.
Doctoral Training Centres

Doctoral Training Centres aim to attract and nurture talented and skilled researchers to secure the future supply of graduates in specific disciplinary areas.

Students based in Doctoral Training Centres carry out a research project at PhD level together with taught coursework in a supportive and exciting environment.

There are real benefits to undertaking a PhD through a Doctoral Training Centre:

- An innovative, exciting and vibrant four year training programme developed to produce high quality researchers
- A funded scheme with substantial Government and industry backing providing a large number of studentships with greatly enhanced stipends
- The integral involvement of leading industry partners in both training and research
- A great student experience from training as part of a group, cooperating and interacting with like-minded peers
- Researching important cross-disciplinary problems to ensure that your research makes an impact
- The development of skills and experiences, which are required for a rapid career progression
- An environment in which students can access the best specialist research across all universities within the consortium

The following doctoral research centres offer studentships at Lancaster:

**North West Doctoral Training Centre (NWDTC)**
[www.nwdtc.ac.uk/](http://www.nwdtc.ac.uk/)

The NWDTC, a collaboration between the Universities of Lancaster, Liverpool and Manchester, was created by the Economic and Social Research Council (ESRC) and is the largest Doctoral Training Centre in England for postgraduate social science training.

Each year the Centre awards at least 63 new postgraduate studentships, across the full range of social sciences, to support research and training at a doctoral level across the three universities. Over the initial five year period this equates to more than £15m of investment.

**HighWire**
[www.highwire.lancaster.ac.uk/](http://www.highwire.lancaster.ac.uk/)

Lancaster University is home to HighWire: a Doctoral Training Centre that delivers a creative fusion between three key disciplines, namely computer science, management and design.

£5m in funding comes from the Digital Economy Innovation programme, which is part of the Engineering and Physical Sciences Research Council (EPSRC). HighWire is also supported by a range of companies including: AT&T, BBC, BT, Clifford Chance, CSMTC, HP Labs, Knowledge Partners, Microsoft, Mott MacDonald, O2 and Sony, in addition to 20 micro businesses and SMEs in the North West.

**STOR-i**
[www.stor-i.lancs.ac.uk/](http://www.stor-i.lancs.ac.uk/)

STOR-i aims to grow the national research base in Statistics and Operational Research, two areas which have long been acknowledged by EPSRC as shortage subjects.

Based at Lancaster University, with a ground-breaking approach to statistics and operational research, STOR-i’s unique training programme will develop a new generation of researcher capable of making a real impact in academic, scientific and industrial fields.

STOR-i has committed support from leading industry partners including BT, Shell, Unilever and the Met Office. The £4.3m EPSRC funding has already provided fully funded studentships to around 40 PhD students.
Lancaster University is an active partner in the North West Nanoscience (NOWNANO) Doctoral Training Centre, which builds on the world-leading expertise within Lancaster and Manchester Universities to offer a broad interdisciplinary Doctoral Training Centre. A major aim of NOWNANO is to create a cohort of researchers that are able to draw on knowledge from a broad spectrum of sciences and to work in interdisciplinary teams.

NOWNANO has 20 PhD places and holds over £2m of EPSRC grants, including the EPSRC Portfolio Partnership, and during the last four years participated in six FP6-EC and ESF networks, three of which were Lancaster led.

BBSRC Doctoral Training Partnership in Food Security

The BBSRC is a doctoral training partnership between the Universities of Reading, Southampton, Lancaster and Surrey, and Rothamsted Research.

Offering studentships in the area of food security, the research conducted in this centre focuses on the global challenges posed by an expanding population, pressure on agricultural land, climate change and the diminution of scarce resources.

The centre is funded by the Biotechnology and Biological Sciences Research Council, and offers training and supervision leading to the award of a PhD in each of its constituent universities.

AHRC North West Consortium

In collaboration with the Arts and Humanities Research Council (AHRC), Lancaster University is working with other academic institutions in the north west of England to seek out and nurture outstanding postgraduate research students and provide world-class training in the arts and humanities.

Funded by the AHRC, PhD studentships may be based wholly at Lancaster or, where appropriate, collaboratively supervised with a partner institution. Either way, every student will enjoy access to a broad range of resources and training at Lancaster and at partner institutions across the region.

Eco-Innovation

The Centre for Global Eco-Innovation is the only centre of its kind in Europe and is part financed by the European Regional Development Fund. It brings together the expertise, resources and global contacts of Lancaster University and the University of Liverpool, together with international commercialisation consultancy Inventya. SME-led collaborative R&D partnership with two world-ranking universities underpin the development of new products, processes and services for the global marketplace, which by virtue of their use, manufacture, raw materials, reuse or disposal, deliver positive environmental impacts.

Envision

Funded by the Natural Environment Research Council (NERC), Lancaster University is leading the initiative which brings together the Universities of Nottingham and Bangor, the Centre for Ecology and Hydrology, the British Geological Survey and Rothamsted Research. The initiative also involves large multinationals, a large number of SMEs and international research centres. Students will benefit from: broad research themes, access to leading world experts, close ties with business, relevant work experience and leadership training. Envision will recruit 12 PhD students per year for the next five years – starting from October 2014.
Finance and funding

Living costs and budgeting
While living expenses vary depending on your lifestyle and needs, rents and some living expenses do tend to be lower at Lancaster than in some urban centres.

There are a variety of financial awards at Lancaster for which you may be eligible to apply. Awards are strictly limited and you must make provision to meet all your study related costs for the duration of your course. Please see www.lancaster.ac.uk/pgfunding

Under the UK points based immigration system, if you are an international (Non UK/EU) student, you will be required to have a minimum amount to support yourself and additional sums for each of your dependants (adult or child). For more information please see www.ukba.homeoffice.gov.uk

Staff in Student Services and the Students’ Union can provide practical advice on funding, budgeting and debt. For guidance on student living costs and an interactive budget planner, please visit www.lancaster.ac.uk/sbs/funding/costsandbudgeting

Fees for postgraduate study
All candidates should ensure that they have access to sufficient funds to cover living expenses and tuition fees across the duration of their studies. During the online pre-registration process you will be required to agree to pay your tuition fees when they become due, or to provide evidence that the fees will be paid by another person or organisation.

The annual tuition fee covers registration, tuition and examination. It does not include residential accommodation, living expenses, or charges for re-examination. All fees may be revised and as much notice as possible will be given of any changes.

All fees (both standard and non-standard) are likely to increase annually. 2015-16 fees will be announced in the spring of 2015 and will be published on the University website at www.lancaster.ac.uk/pgfees

Funding and awards
At first sight, finding sources of financial support might seem daunting. However, with the advice and guidance you’ll receive from our staff, both at university level and within faculties and departments, you can be assured that we’ll do our utmost to help you in your applications for funding.

We recommend that you start planning the financing of your studies 12–18 months in advance of your programme start date, as some external awards will have application deadlines this early in the process.

Additional sources of funding are available, especially for specific programmes and for students from particular countries/regions. For detailed listings of awards available at Lancaster, and for information about how to apply for them, please consult:
- www.lancaster.ac.uk/pgfunding
- A member of staff in your subject area to find out how previous students have paid for their studies.

Charities, trust and other general funders
A wide variety of charitable and other organisations have funds they make available to intending postgraduate students at both masters and PhD level. The amounts they make available as grants range from £500 to several thousand pounds. Most award the funding on a competitive basis, and have criteria related to either academic excellence or financial need. Many have additional criteria related to the wider charitable aims of the organisation. Their application deadline dates, and application processes are very varied and some have a number of different deadlines at times throughout the year.

Further details
Visit our website for details of postgraduate funding opportunities: www.lancaster.ac.uk/postgraduate-fees
### Fee examples from 2014-15

#### Home and EU annual fees: 2014-2015 examples

<table>
<thead>
<tr>
<th></th>
<th>Taught degrees</th>
<th>Research degrees*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time at the University</td>
<td>£5,950 (Arts &amp; Social Sciences)</td>
<td>£3,996</td>
</tr>
<tr>
<td></td>
<td>£6,500 (Sciences)</td>
<td></td>
</tr>
<tr>
<td>Full-time away from the University</td>
<td>£2,975 (Arts &amp; Social Sciences)</td>
<td>£1,998</td>
</tr>
<tr>
<td></td>
<td>£3,250 (Sciences)</td>
<td></td>
</tr>
<tr>
<td>Part-time</td>
<td>£2,975 (Arts &amp; Social Sciences)</td>
<td>£1,998</td>
</tr>
<tr>
<td></td>
<td>£3,250 (Sciences)</td>
<td></td>
</tr>
</tbody>
</table>

**Overseas students annual fees: 2013-2014 examples**

<table>
<thead>
<tr>
<th></th>
<th>Taught degrees</th>
<th>Research degrees*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time at the University (1)</td>
<td>£17,030</td>
<td>£16,260</td>
</tr>
<tr>
<td>Full-time at the University (2)</td>
<td>£13,520</td>
<td>£12,940</td>
</tr>
<tr>
<td>Full-time away from the University**(1)</td>
<td>£8,515</td>
<td>£8,130</td>
</tr>
<tr>
<td>Full-time away from the University**(2)</td>
<td>£6,760</td>
<td>£6,470</td>
</tr>
<tr>
<td>Part-time</td>
<td>as per full-time away fee</td>
<td></td>
</tr>
</tbody>
</table>

* MPhil/PhD, MRes and MSc (by research).

** Applicable to those students whose research is being conducted full-time away from Lancaster and who have had this status approved.

(1) For courses and research within the departments of LEC (Biological and Environmental disciplines; Physical Geography), Communication Systems, Computing, Engineering, Mathematics and Statistics, Physics and Psychology.

(2) Fee for LEC (Human Geographical disciplines) and all other departments.

**Please note:** the tuition fee rates outlined are only applicable to those programmes, which attract the standard fee rate. A full listing of those courses which attract the non-standard fees can be found on our website [www.lancaster.ac.uk/pgfees](http://www.lancaster.ac.uk/pgfees)
Applying to Lancaster

Our aim is to make the application process as simple and efficient as possible for you. We would encourage you to apply online using the My Applications website at www.lancaster.ac.uk/postgraduate-applications

Using My Applications to apply
Using your account on the My Applications website, you are able to submit applications for the programme(s) which you wish to study, upload supporting documentation and provide us with information about referees. You may apply for all Lancaster University postgraduate programmes using this method with the exception of the Doctorate in Clinical Psychology (DClinPsy) and the PgDip/MA in Social Work. These two programmes are administered by external agencies: please refer to the course listings on pages 114 and 91 for further details.

What do I need to include with my application?
If you use the My Applications website then you will be advised which documentation you need to upload or send to us. We can automatically contact your referees once you have submitted your application, if you ask us to.

The supporting documentation screen will provide you with a list of required documents. These will usually include:

- Degree certificates and transcripts of previous higher education (college/university) degrees or other courses that you have completed/for which you are currently studying. Note that, for transcripts in languages other than English, a certified English translation will be required
- Personal Statement
- Research proposal (for research degrees)
- References
- For those for whom English is not their first language, copies of English language test results

Current Lancaster University students may use our Fast Track application route on the MyLancaster admissions portal; these applicants will not need to provide their Lancaster degree transcript and only need to provide the name of one referee.

Current Lancaster students
If you are a current Lancaster student, or you have recently graduated from Lancaster, we can reduce the amount of information that you will need to provide as part of your application. You will need to provide only one reference and will not need to supply your Lancaster degree transcript. We will also pre-fill your personal details, ready for you to check.

Other ways to apply
If you are unable to use our online application service, please contact the appropriate Faculty Admissions Office for your intended programme of study (see right).

Faculty contacts

**Arts, Humanities and Social Science programmes**
Postgraduate Admissions
Faculty of Arts and Social Sciences
Lancaster University
Lancaster LA1 4YL
Tel: +44 (0)1524 510880
Email: fass-pg-admissions@lancaster.ac.uk

**Business and Management (LUMS) programmes**
Postgraduate Admissions
Graduate Management School
Management School
Lancaster University
Lancaster LA1 4YX
Tel: +44 (0)1524 510733
Email: gms@lancaster.ac.uk

**Health and Medicine programmes**
Postgraduate Admissions
Faculty of Health and Medicine
Lancaster University
Lancaster LA1 4YG
Tel: +44 (0)1524 593936
Email: fhm-pg-admissions@lancaster.ac.uk

**Science, Engineering and Technology programmes**
Postgraduate Admissions
Faculty of Science and Technology
Lancaster University
Lancaster LA1 4YW
Tel: +44 (0)1524 593795
Email: fst-pg-admissions@lancaster.ac.uk
Faculty of Arts and Social Sciences

The Faculty of Arts and Social Sciences prides itself on research excellence, putting high quality research provision at the centre of its culture. The Times Higher Education World University (2014) ranks Lancaster University 36th globally for Arts and Humanities and the Faculty benefits from its position in the top tier of universities receiving research grants from funding agencies.

We are home to many internationally renowned scholars and to a number of major research centres including: the Centre for Corpus Approaches to Social Science; Dynamics of Energy, Mobility and Demand Research Centre, the Lancaster Literacy Research Centre, the Centre for Gender and Women’s Studies, the Centre for Mobilities Research, the Centre for Science Studies, the Centre for the Study of Environmental Change and the Wordsworth Centre.

Our success is highlighted in international rankings, and in the funding available. In the 2008 RAE at least 85% of research activity in most of the Faculty’s departments was of an international standard. Sociology was ranked fifth in the UK for research quality, while the Lancaster Institute for the Contemporary Arts (LICA) was ranked in the UK’s top three.

The Faculty generates more than £6m annually in externally funded income including grants from: the Arts and Humanities Research Council (AHRC), Economics and Social Research Council (ESRC), Engineering and Physical Sciences Research Council (EPSRC), United Nations, European Union, British Academy, Leverhulme Trust, British Council, Royal Society, Nuffield Foundation, Wellcome Trust, Local Authorities, and various commercial sponsors. We also have substantial postgraduate funding from the AHRC Doctoral Training Partnerships and many departments offer ESRC and EPSRC studentships – both in conjunction with outside organisations and through our role in the North West Doctoral Training Centre.

Dean of Faculty
Professor Simon Guy

Number of postgraduate students
631 Research
497 Taught

Key fact
The Faculty of Arts and Social Sciences offers £2m per annum to fund postgraduate studentships and awards.
### Departments/Centres

<table>
<thead>
<tr>
<th>Page</th>
<th>Department/centre</th>
</tr>
</thead>
<tbody>
<tr>
<td>33</td>
<td>Lancaster Institute for the Contemporary Arts (LICA)</td>
</tr>
<tr>
<td>38</td>
<td>Educational Research</td>
</tr>
<tr>
<td>42</td>
<td>English and Creative Writing</td>
</tr>
<tr>
<td>48</td>
<td>European Languages and Cultures</td>
</tr>
<tr>
<td>50</td>
<td>Gender and Women's Studies</td>
</tr>
<tr>
<td>53</td>
<td>History</td>
</tr>
<tr>
<td>56</td>
<td>Law</td>
</tr>
<tr>
<td>65</td>
<td>Linguistics and English Language</td>
</tr>
<tr>
<td>72</td>
<td>Politics, Philosophy and Religion</td>
</tr>
<tr>
<td>85</td>
<td>The Ruskin Library and Research Centre</td>
</tr>
<tr>
<td>87</td>
<td>Centre for Science Studies</td>
</tr>
<tr>
<td>89</td>
<td>Social Work</td>
</tr>
<tr>
<td>93</td>
<td>Sociology</td>
</tr>
</tbody>
</table>
As you might expect from a research focused faculty, all departments offer supervision at PhD level. As well as traditional style PhDs we offer practice based research programmes within Creative Writing and LICA, which comprises Film, Theatre Studies, and Art and Design. Our Educational Research and Linguistics Departments also offer professional doctorates, which focus on coursework, assessment, and a shorter thesis/research element than the traditional PhD.

Many students will want to embark on an MA before launching into further research; most departments therefore offer one or more Masters Programmes, including both research focused MRes schemes and vocationally orientated MA programmes such as Contemporary Arts Consultancy, Adult Literacy and Numeracy, Creative Writing, and Social Work. Many programmes also offer part-time options for study, and some are available via distance learning.

Our support for research students is exemplary. We offer a research training programme that offers free access to modules varying from introductory to advanced levels, and from single sessions to full courses. The modules are designed to support students’ development of research skills. Specific courses may vary from year to year, but they typically address research, research methodologies (quantitative and qualitative), writing, publishing, communication skills, and more general guidance on how to undertake postgraduate work.

On a purely practical level, research students will normally have access to a range of shared facilities including office space, photocopying, and telephones. Some will be offered teaching experience with training through the University’s Associate Teacher Programme. The FASS Enterprise Centre also offers contacts and guidance for students interested in the application of research to business sectors within the local community and region.

Postgraduate study need not be firmly tied to the field of your undergraduate degree. You may want to explore a new discipline or an interdisciplinary area at the interface of several disciplines; you may wish to sharpen your research skills before tackling an ambitious PhD topic; or you may be seeking a professional course that deepens your understanding of your field of work by engaging in advanced study. Whatever your reasons for studying for a higher degree, we hope that you will find a course in the Faculty of Arts and Social Sciences that meets your expectations.
Lancaster Institute for the Contemporary Arts (LICA)

Lancaster Institute for the Contemporary Arts (LICA) houses postgraduate research opportunities in Fine Art, Design and Design Management, Digital and Live Art, Film and Media, and Theatre, Performance and Dance.

LICA is committed to contemporary practice and critical thinking in the arts and has a thriving interdisciplinary research culture and outstanding creative industry connections. Our ambition is to foster informed, creative and intelligent practitioners. We support both traditional modes of scholarship, which theorise and engage with twentieth, and twenty-first century art and culture and innovative approaches to the study of the more distant past. We encourage practice-based and traditional research leading to a thesis, research project, exhibition, performance, and digitally mediated outputs.

LICA is unique in its commitment to the informed practitioner: the contemporary artist working both independently and collaboratively, who not only creates resonant works, but also understands their practice critically, conceptually and historically.

Our facilities include:
- A £10m contemporary arts centre with seminar and teaching spaces, performance and acoustic labs, public event spaces, workshops, and fine art and design studios
- The Nuffield Theatre: an established professional touring venue
- The Playroom: a sprung floor black box studio
- Several small rehearsal rooms
- A 900 seat concert hall used for an International Concert Series featuring innovative artists
- Computer labs featuring Adobe Creative Suite and Apple Final Cut Studio
- The TV unit housing a range of digital and video facilities together with professional production support
- Fine art studios dedicated to individual use (accessible 24/7)
- Fabrication workshops, photography lab and life-drawing room
- Equipment including rapid prototyping and casting facilities, and framing tools
- The Peter Scott Gallery with a vibrant art exhibition programme
- A state-of-the-art black box installation space
- The University Library also has an extensive collection of books, films, audio recordings and an unusual range of specialist papers, including resources collated with Contemporary Arts students in mind.

Research degrees
- PhD

Integrated degrees (1+3)
- MA in Art by Research
- MA in Design by Research
- MA in Film Studies by Research
- MA in Theatre and Performance by Research

Taught programmes
- MA in Art by Research
- MA in Contemporary Arts Consultancy
- MA in Design by Research
- MA in Design Management
- MA in Film Studies by Research
- MSc in International Innovation (Design)
- MA in Theatre and Performance by Research

Number of postgraduate students
100

Director of Institute
Dr Martyn Evans

Postgraduate enquiries
Tel: +44 (0)1524 510899
Email: lica-pgadmissions@lancaster.ac.uk
www.lancaster.ac.uk/fass/lica
**Research degrees**

**PhD**

**Director of Research Studies**
Dr Bruce Bennett.

**Duration**
3-4 years full-time, 4-7 years part-time.

**Entry requirements**
An upper second class honours degree, or its equivalent, and a Masters degree in an appropriate discipline plus a viable research proposal.

**IELTS**
6.5 (minimum of 6.0 in each element) or equivalent.

**Assessment**
Original research and thesis and/or creative practice.

**Further information**
www.lancaster.ac.uk/fass/lica

Applications are accepted for any area of study in the contemporary arts including fine art, design, film, theatre and dance. LICA has a thriving community of over 80 doctoral students and you will be supervised by internationally recognised staff who are leaders in their respective fields. LICA offers you the opportunity to undertake research integrating creative practice with theoretical or historical work, as well as offering more traditional research programmes assessed by thesis only. The relationship between theory and practice, whilst approached in different ways by different students, forms the important theme that links and shapes the Institute’s research priorities and orientation.

We provide a supportive yet challenging research environment where you will develop knowledge and skills in research methods, propositional and interventional approaches, analysis and synthesis of research findings, and the communication of research outputs to academic, professional and user communities. Your research training will be supported both by LICA and by the research training offered by the Faculty. Our research is outward looking, involving the wider public, professionals, and policy makers in the development and benefits of research.

**Our research interests**

LICA has a vibrant and internationally recognised research environment providing students with the opportunity to engage with cutting-edge research activities. Research students are fully integrated into our research centres and are encouraged to link their research to the wider research themes within the Institute. LICA organises its research in two research centres, *Imagination* and *Insight*:

*Imagination* is an open and exploratory design-led research lab which conducts applied and theoretical research into people, products, places and their interactions. *Imagination* puts design and creativity at the forefront of Lancaster’s contemporary arts research activities. It works with a variety of organisations to provide fresh perspectives on real-world issues and facilitate innovation.

**Professor Rachel Cooper**
Distinguished Professor of Design Management

"My research considers design decision-making and design management in the urban environment. It addresses all aspects of sustainability; indeed the research direction has taken me into the realms of design for wellbeing. LICA offers excellent opportunities for postgraduate study – opportunities not only to cross disciplines within the arts, but also with leading research centres within the Faculty of Arts and Social Sciences, and across the University such as the Management School, Lancaster Environment Centre and InfoLab21 as our interdisciplinary approach lies at the heart of our activities. The new building is a fantastic opportunity for postgraduates to develop their research."

We provide a supportive yet challenging research environment where you will develop knowledge and skills in research methods, propositional and interventional approaches, analysis and synthesis of research findings, and the communication of research outputs to academic, professional and user communities. Your research training will be supported both by LICA and by the research training offered by the Faculty. Our research is outward looking, involving the wider public, professionals, and policy makers in the development and benefits of research.

**Our research interests**

LICA has a vibrant and internationally recognised research environment providing students with the opportunity to engage with cutting-edge research activities. Research students are fully integrated into our research centres and are encouraged to link their research to the wider research themes within the Institute. LICA organises its research in two research centres, *Imagination* and *Insight*:

*Imagination* is an open and exploratory design-led research lab which conducts applied and theoretical research into people, products, places and their interactions. *Imagination* puts design and creativity at the forefront of Lancaster’s contemporary arts research activities. It works with a variety of organisations to provide fresh perspectives on real-world issues and facilitate innovation.
Its mission is to help imagine and make tangible the future through design-led creative approaches supporting multi-level interaction and knowledge with academics and non-academics including citizens, end-users, industry, and policymakers. Emphasis is placed on productive collaborations to create desirable and sustainable futures. It has an extensive track record of research funding providing a rich environment in which postgraduate students can engage with ongoing research projects.

**Insight** focuses upon making meaning in the Arts. As the name suggests, the centre supports and reflects upon the types of discovery and understanding that processes of research generate. Insight researchers bring together expertise from fine art, film, theatre, dance and sound by engaging with notions of societal value and use, through both practice and theory. Insight facilitates cross-disciplinary work within Lancaster University and beyond and actively engages postgraduate research within its projects. As a community of researchers, the Centre initiates international dialogue and provides a platform for events across a range of themes and contemporary art formats.

### Integrated degrees (1+3)

#### MA in Art by Research

#### MA in Design by Research

#### MA in Film Studies by Research

#### MA in Theatre and Performance by Research

**Director of Studies**  
Dr Gary Bettinson.

**Duration**  
12 months full-time, 24 months part-time.

**Entry requirements**  
An upper second class honours degree, or its equivalent, in a relevant discipline.

**IELTS**  
6.5 (minimum of 6.0 in each element) or equivalent.

**Assessment**  
Coursework, presentation, thesis and/or artwork or event.

**Further information**  
www.lancaster.ac.uk/fass/lica

Our MA by research programmes are specifically designed for graduates who want to prepare for doctoral study either by integrating creative practice with theoretical or historical work, or by focusing on traditional theoretical research.

One third of your study will be taught modules, and two thirds will explore a continuous overarching research project. Students will undertake three taught modules and there are two compulsory modules: Research Methods and Critical Thinking. Students will normally take Contemporary Issues in the Arts or an alternative module from those available in LICA in the second term of study.

You will have strong supervisor support throughout the course and will be involved in regular group seminars during the first two academic terms.

**Key fact**

*Lancaster Institute for the Contemporary Arts (Art, Dance, Design, Film and Theatre) is ranked in the UK top three for its research with 80% of research classed as world or internationally leading. (RAE 2008).*
Taught programmes

MA in Contemporary Arts Consultancy

Director of Studies
Frank Dawes.

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent, or professional qualifications/experience.

IELTS
6.5 (minimum of 6.0 in each element) or equivalent.

Assessment
Combination of coursework (including project proposal, project methodology/design, client project report) and dissertation.

Further information
www.lancaster.ac.uk/fass/lica

This is a professionally focused programme for graduates who wish to work in the cultural and creative industries. Central to the MA is a ‘live’ consultancy project that is undertaken with an external organisation (with expenses covered). The taught modules are designed to prepare you to tackle practical problems faced by organisations and, with advice and support from academic staff, to take responsibility for a consultancy-based project. The project will help resolve practical issues and problems faced by a client organisation from the creative industries and the cultural and heritage sectors.

Typically client involvement is one to two days a week over four months, with lectures scheduled on only one or two days a week to allow flexibility to carry out project work. Students complete four modules, a consultancy project report, and a dissertation.

Key fact

Client organisations for the MA in Contemporary Arts Consultancy have included the FutureEverything festival, Grundy Art Gallery, Horse and Bamboo Theatre, The National Trust, Dukes Theatre, Nuffield Theatre, and other local and regional community arts organisations.

MA in Design Management

Director of Studies
Dr David Hands.

Duration
12 months full-time.

Entry requirements
An upper second class honours degree, or its equivalent, in design or a cognate discipline.

IELTS
6.5 (minimum of 6.0 in each element) or equivalent.

Assessment
Coursework, presentation and major research project.

Further information
www.lancaster.ac.uk/fass/lica

The MA in Design Management provides a vibrant and design rich environment for design and associated graduates to develop an understanding of contemporary design management. It prepares graduates for careers as design consultants, managers, researchers and design-led change makers in private and public organisations as well as for doctoral study. You will develop modes of thinking critical to the challenges design managers face across a range of real-world situations. A thematic curriculum explores design management from a range of future-oriented perspectives typically including service design, design for sustainability, design strategy, and design and branding. An Imagination Lab – an intensive project-based design studio – enables students to undertake a deep dive into a complex design challenge.
Teaching focuses on how human-centred design thinking can address tomorrow’s challenges, preparing students for leadership roles via projects requiring complex problem solving skills. Exploration of new directions for people, products, services and systems is supported through a programme of case studies, live projects and visiting professionals. Staff who contribute to the course have broad and in-depth experience in design and design management and are leading experts within their respective fields. The course concludes with a self-directed major research project often in line with career aspirations.

**MSc in International Innovation (Design)**

**Director of Studies**  
Dr Stephen Clune.

**Duration**  
24 months full-time.

**Entry requirements**  
An upper second class honours degree, or its equivalent, in design or from the digital and creative sectors.

**IELTS**  
7.0 (minimum of 6.0 in each element) or equivalent.

**Assessment**  
Coursework, presentation and collaborative industry projects.

**Further information**  
www.lancaster.ac.uk/fass/lica

The MSc in International Innovation (Design) explores design as a driver for innovation and provides students with an understanding of how design interfaces with other disciplines in the product development process. It draws on the strengths of the design-led research lab, Imagination Lancaster. Students will develop an understanding of design thinking and design-driven innovation and their relationship to high-impact collaborative R&D and commercialisation projects through UK and Chinese business partnerships. Students selected onto this unique programme will receive a living allowance award of £16,000 over the duration of the programme.

A unique feature of this programme is the opportunity to work with companies in both the UK and China; spending a minimum of six months in China. Students will build upon their academic and practical experience to develop and deliver innovation-themed projects to UK and Chinese companies. A highly supportive environment will help build a deep understanding of innovation and internationalisation with a cohort of like-minded, multidisciplinary students, entrepreneurs and businesses. Through close inter-departmental collaboration with the Lancaster University Management School and Faculty for Science and Technology it will equip students with a solid foundation of knowledge, skills and expertise in the areas of design, management and technology.

**MA in Art by Research**

**MA in Design by Research**

**MA in Film Studies by Research**

**MA in Theatre and Performance by Research**

Please see entries under integrated degrees (1+3).

**Key fact**

Each year LICA has a number of ‘fees-only’ bursaries available to cover course fees. Lancaster is also a member of the AHRC-funded North West Consortium Doctoral Training Centre which provides the opportunity to apply for postgraduate funding. Please see further details on our website, www.lancaster.ac.uk/fass/lica
The Department of Educational Research has a world-class reputation and a thriving research culture.

The Department of Educational Research is a leading international centre of postgraduate research in education. We offer world-leading PhD programmes in Education and Social Justice, Higher Education, and Technology Enhanced Learning. Our three research centres in these areas are internationally recognised for the excellence and originality of their research.

The Department’s excellent international reputation for research and teaching was recognised through its listing in the top 100 institutions globally for Education in the 2014 QS World University Rankings.

Students can join us for traditional PhD study or structured PhD doctoral programmes. We encourage the involvement of PhD students in all aspects of departmental life, including reading groups and departmental seminars. We also use digital technologies to ensure that our online students, who are located in countries across the world, can participate in departmental activities.

**Research degrees**

**MPhil/PhD Educational Research (Independent Study)**

**Entry Requirements**

A good honours degree and preferably a Masters degree, or its equivalent, and a viable research proposal.

**IELTS**

Overall 6.5 with at least 6.0 for reading and writing.

**Assessment**

Original research and thesis.

**Further Information**

http://www.lancaster.ac.uk/fass/edres/study/postgrad/intro.htm

We welcome applications for research degrees (PhD or MPhil) in any area of education in which our staff have expertise. Students work independently with an appropriate supervisor in face-to-face meetings at Lancaster or at a distance. Most students commence in October in order to make use of the Faculty’s research training courses but we are able to be flexible over start dates.

**Doctoral Programme in Education and Social Justice (PhD)**

**Director of Studies**

Professor Carolyn Jackson.

**Entry requirements**

A good honours degree and preferably a Masters degree, or its equivalent.

**IELTS**

Overall 6.5 with at least 6.0 for reading and writing.

**Assessment**

Combination of assessed coursework and thesis.

**Further information**

http://www.lancaster.ac.uk/fass/edres/study/social_justice_education/index.htm

---

My PhD was an extremely positive experience, and one that will never leave me! From the beginning I was actively encouraged to participate in the research community within the Department, where I was able to engage and reflect on much wider educational issues. I would not hesitate to recommend studying within the Department of Educational Research, as I feel I have gone from a dependent student to an independent researcher.

Dr Karen Broomhead
This PhD in Education and Social Justice (by thesis and coursework) is a part-time structured doctoral programme that is undertaken entirely online, over four years. It enables professionals world-wide, who are working to promote social justice in or through education (in its broadest sense), to focus on issues that are at the heart of their own professional practice and concerns, and to become autonomous researchers.

The programme offers a well-defined and supported route to a PhD: during the first two years participants undertake modules covering key social justice issues, approaches and theories, as well as research and evaluation methods; in years 3 and 4 they undertake research and write a thesis supported by a supervisor. Participants benefit from studying within a cohort of students who act as critical friends and an informal support network during the programme, and a continued network throughout their careers.

Doctoral Programme in Educational Research – Higher Education (PhD)

Director of Studies
Professor Malcolm Tight.

Entry requirements
A good honours degree, or its equivalent, and a Masters degree or three years’ practical experience working in higher/further education.

IELTS
Overall 6.5 with at least 6.0 in reading and writing.

Assessment
Combination of assessed coursework and thesis.

Further information
http://www.lancaster.ac.uk/fass/edres/study/docprog/docprog.php

This part-time programme has been developed to meet the needs of experienced professionals in the areas of higher education and further education. The aim is to provide an opportunity for participants to become autonomous researchers and to gain deeper and more critical insight into their own and others’ professional practices and concerns by following a directed programme.

The four year course is structured, supported and assessed, through modules involving directed study and residential teaching. The course is organised around a series of residential, which enable participants to meet and socialise and participate in seminars and lectures. Students focus on their final research thesis from the third year onwards.

Research degrees
- MPhil/PhD Educational Research (Independent Study)
- PhD Doctoral Programme in Education and Social Justice (online, thesis and coursework)
- PhD Doctoral Programme in Educational Research – Higher Education (thesis and coursework)
- PhD Doctoral Programme in E-Research and Technology Enhanced Learning (online, thesis and coursework)
- PhD Doctoral Programme in Higher Education: Research, Evaluation and Enhancement (online, thesis and coursework)

Number of postgraduate students
250

Head of Department
Dr Paul Ashwin

Postgraduate enquiries
Educational Research: Alison Sedgwick
Tel: +44 (0)1524 592685
Email: a.sedgwick@lancaster.ac.uk

E-Research and Technology Enhanced Learning: Alice Jesmont
Tel: +44 (0)1524 592685
Email: a.jesmont@lancaster.ac.uk

Education and Social Justice: Jo Dickinson
Tel: +44 (0)1524 593189
Email: jo.dickinson@lancaster.ac.uk

Higher Education: Research, Evaluation and Enhancement: Kathryn Doherty
Tel: +44 (0)1524 593572
Email: kathryn.doherty@lancaster.ac.uk

www.lancaster.ac.uk/fass/edres

For more information please go to www.lancaster.ac.uk
Research degrees (continued)

Doctoral Programme in E-Research and Technology Enhanced Learning (PhD)

Director of Studies
Professor Don Passey.

Entry requirements
A good honours degree, or its equivalent, and Masters degree or three years' practical experience working in learning and technology.

IELTS
Overall 6.5 with at least 6.0 for reading and writing.

Assessment
Combination of assessed coursework and thesis.

Further information
http://www.lancaster.ac.uk/fass/edres/study/tel/index.htm

This innovative, four year part-time structured Doctoral Programme combines residential teaching with online learning for motivated, self-managing individuals who work in positions of influence in any sector of education wishing to develop their e-learning research and practice.

Participants receive structured support in research methodologies and practice and undertake small-scale studies related to their professional environments. This is followed by a period of intensive individual research supervised by an expert in the field. Participants benefit from a structured set of modules (over two years), residential events, and an online learning community through which they receive support from other participants and tutors.

Doctoral Programme – PhD Higher Education: Research, Evaluation and Enhancement

Director of Studies
Professor Murray Saunders.

Entry requirements
A good honours degree and preferably a Masters degree, or its equivalent.

IELTS
Overall 6.5 with at least 6.0 for reading and writing.

Assessment
Combination of assessed coursework and thesis.

Further information
http://www.lancaster.ac.uk/fass/edres/study/higher_education_research/index.htm

This PhD in Higher Education Research, Evaluation and Enhancement (by thesis and coursework) is a part-time structured doctoral programme that is undertaken entirely online, over four years. The programme aims to provide an opportunity to experienced professionals to become autonomous researchers and to gain deeper and more critical insight into their own professional practices and concerns. The programme is designed for people working, or interested in, higher education with diverse experience: academics; policy makers; managers; administrators; educational developers; student learning specialists.

The programme offers a well-defined and supported route to a PhD. During the first two years participants undertake modules covering key issues for Higher Education focusing on research and practice in Higher Education policy and change, enhancing learning, teaching and assessment and evaluative practices within the Higher Education sector. In years 3 and 4 they undertake research and write a thesis supported by a supervisor. Participants benefit from studying with a strong team of international researchers, a cohort of students who act as critical friends and an informal support network during the programme that will be the basis of a continued network throughout their careers.
Our research interests

The Department’s research is organised through three Centres: here@lancaster; the Centre for Social Justice and Wellbeing in Education; the Centre for Technology Enhanced Learning. All of our PhD students are associate members of at least one of these research centres.

here@lancaster supports a wide range of research and evaluation work on higher education in all its manifestations: teaching; research; administration; income generation. Areas of expertise include: Evaluative practice; disciplinary differences; policy implementation; learning and teaching in H.E; discourse and literacies; change management and Research as an activity.

The Centre for Social Justice and Wellbeing in Education explores questions about equity, diversity, inclusion and wellbeing. We have particular expertise in relation to: gender; literacy; critical pedagogy; theories of social justice; disability; motivation; assessment and the implications for social justice; technologies; widening participation, youth ‘at risk’; learner identities; self-esteem and wellbeing. Our work spans a range of formal and informal education contexts including schools, higher education, home and the workplace.

The Centre for Technology Enhanced Learning (TEL) supports research concerned with teaching and learning using digital technologies, and with widening digital participation across a range of populations. We seek to understand fundamental learning processes and the ways they relate specifically to digital technologies, and we focus on learning and pedagogical approaches where digital technologies and networks support learners from primary schooling to higher education, as well as in the workplace, in informal, formal and non-formal settings.

The doctoral programme was one of the best things I have ever done! It was challenging but extremely rewarding and beneficial for me professionally. I gained many useful skills, some that I had not expected at all when I began this programme. I met, and have become friends with a lot of excellent people and as a result now have opportunities to be part of research groups and further work.

Dr Debbie Prescott
English and Creative Writing

The Department of English and Creative Writing has an excellent reputation for research across a wide range of specialisms ranging from the Early Modern period to contemporary literature and literary/cultural theory. We also offer a substantial platform of taught Masters courses.

Integrated within the Department is one of the longest established creative writing schools in the UK. Creative Writing at Lancaster offers tuition in creative writing (both campus based and distance learning) at both Masters and PhD level, and its staff supervise across a range of literary modes including prose (fiction and non-fiction) and poetry.

In addition to the individual expertise of our staff, we have three research centres with excellent reputations based within the Department:

The Wordsworth Centre
This vibrant Research Centre makes full use of the Department’s physical proximity to the Lake District and access to the rich archive and manuscript collection held at Dove Cottage, Grasmere. We have a five year agreement with The Wordsworth Trust and are committed to developing strong links through students working with the archive and internships as well as an annual “Immersive” week for postgraduates. Personal research interests are currently in such areas as Romantic mountains; Romantic place and space; mapping of literary spaces as well as a continuing interest in Wordsworth and the Literary Lake District.

The Centre for Transcultural Writing and Research
The Centre for Transcultural Writing and Research (CTWR) links writers, academics and Lancaster University’s postgraduate student community to extensive research activity in creative writing and its impact on society. Our aim is to create a transnational and interdisciplinary environment. We are committed to promoting creative writing across cultures and to studying the work of writers from a wide range of social and cultural contexts. Current projects include a focus on African writing, international authorship, poetry in public places, Kurdish women’s stories and Writing for Liberty – an events series and conference featuring writers and critics through performance and discussion.

The Shakespeare Programme
The Shakespeare Programme aims to further research on the work of Shakespeare and his contemporaries (male and female) with reference to literary theory and to performance. Our website is the host for the Northern Renaissance Seminar and contains details of the latest research projects undertaken by staff and students, recent conferences and outreach to schools and the community.

The Shakespeare Programme also coordinates postgraduates pursuing MPhil and PhD degree research in early modern studies, as well as providing enhanced opportunities for study, including workshops, theatre visits and interdisciplinary research projects.

Research degrees

English
MPhil/PhD
Director of Studies
Dr Catherine Spooner.

Entry requirements
An MA in English Literature (although closely related disciplines will also be considered on a case-by-case basis) and a viable research proposal.

IELTS
7.0 or equivalent.

Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/fass/english

Entry to our MPhil/PhD courses is for those who have already demonstrated potential for independent study at MA level (preparation that is now formally recognised by the University’s new 1+3 Bursaries). We accept proposals in all literary fields, but are particularly interested in matching students with the expertise in our centres and among our staff.
Research degrees

English
- MPhil/PhD
Creative Writing
- MPhil/PhD

Integrated degrees (1+3)
- MA in English Literary Research

Taught programmes
- MA in English Literary Studies (with pathways)
- MA in English Language and Literary Studies
- MA in Gender and Women's Studies and English
- MA in Creative Writing
- MA in Creative Writing (distance learning)

Number of postgraduate students
140

Postgraduate enquiries

Director of Postgraduate Studies:
Dr Catherine Spooner

Postgraduate Secretaries:
Leila Atkinson, English
Lyn Kellett, Creative Writing

English
Tel: +44 (0)1524 593089
Fax: +44 (0)1524 594247
Email: englishpg@lancaster.ac.uk

Creative Writing
Tel: +44 (0)1524 594169
Fax: +44 (0)1524 594247
Email: l.kellett@lancaster.ac.uk
www.lancaster.ac.uk/fass/english

Students who are accepted are offered excellent support and training, both through regular meetings with their supervisors and dedicated seminars and workshops (at both Departmental and Faculty level).

Creative Writing
MPhil/PhD

Director of Studies
Professor Graham Mort.

Entry requirements
An MA in Creative Writing or a closely related discipline; previous publications of high quality; and a viable research project.

IELTS
6.5 or equivalent.

Assessment
By thesis which should be a sustained piece of creative writing of publishable standard and a substantial piece of reflective or critical writing.

Further information
www.lancaster.ac.uk/fass/english

We offer practice-based postgraduate study in Creative Writing and host a thriving international and transcultural constituency of PhD students working across a range of literary genres and research projects.

Our pioneering virtual learning and research facilities have enabled the PhD by distance learning from overseas – and facilitated “blended” learning on campus – bringing together students working in English from all over the world to share creative work and critical readings.

We have particular supervisory strengths in contemporary poetry, long fiction, short fiction and research that explores a sense of place, conflict, cultural tensions and synergies.

This creative, critical and transcultural nexus, together with the expertise of supervising staff, has created a vibrant and successful programme, resulting in publishing success for our students.

Former doctoral students include Alison MacLeod, Andrew Miller and Siri Reynolds whose doctoral novels The Changeling (Macmillan), Ingenious Pain (Sceptre), House of Rooms (Polygon) were all published to wide acclaim. Poems from Nigel McLoughlin’s doctoral study form the basis of his recently published Bluechrome Press Collection, Blood, and Picador publishes Raymond Robinson’s novel, Electricity. Wigestrand published Ren Powell’s poetry book An Elastic State of Mind and Bantam Press published George Green’s novel, Hound.

Key fact
As a world-class department focused both on literary study and creative writing, our staff includes a host of eminent scholars and authors as well as Visiting Professors Terry Eagleton, formerly Thomas Warton Professor of English Literature at Oxford and Professor Paul Muldoon, formerly Professor of Poetry at Oxford. Professor Eagleton is one of the world’s most famous literary critics and Professor Muldoon one of the world’s most eminent poets. Each year both will offer a series of public lectures, open MA seminars, and PhD tutorials.

For more information please go to www.lancaster.ac.uk
Our research interests

Creative Writing: the Creative Writing School is able to offer supervision in poetry, fiction, short fiction, creative non-fiction and writing for radio. Its staff, all of them well known and highly respected authors, have particular specialisms in:
- Contemporary British poetry
- Contemporary short fiction
- Contemporary women’s poetry
- Irish writing
- The historical novel
- Biography
- Graphic novels
- Transcultural research and writing
- Memoir
- ‘Place writing’ and, creative-critical projects (which combine a critical / theoretical dissertation with a creative writing project).

19th Century Studies: the Department has many colleagues who work in and across ‘the long nineteenth century’ and specialisms include:
- Writing of the Romantic period
- Literary and cultural responses to Napoleon
- Revolutionary and Napoleonic Wars
- Wordsworth
- Byron and Byronism
- Manuscript work and textual editing of Romantic and Victorian texts
- Composition and poetic process
- The long poem in the eighteenth and nineteenth centuries
- Wordsworth
- Tennyson
- Romanticism and Science
- Romantic Letter-writing
- Interdisciplinary connections of nineteenth century literature: painting, book illustration, film and television
- The history of Wordsworth’s reception
- Ruskin and romanticism
- William Morris
- Victorian fiction and poetry
- Nineteenth century eccentricity
- Christian unreason
- Gothic and Sensation fiction
- Fashion and dress in nineteenth century literature
- Victorian literature and theology.

Renaissance and Early Modern Literature: staff specialisms, supported by the work of Lancaster’s internationally renowned Shakespeare Programme include:
- Feminist approaches to Shakespearean drama (including women’s drama)
- Staging cities in the plays of Richard Brome
- Seventeenth century writing and feminist criticism
- Women writers from the radical religious sects of the seventeenth century
- Early Modern writing – especially translations into English.

Women’s Writing and Feminist Theory: with long standing links to the University’s Centre for Gender and Women’s Studies (now based in the Department of Sociology) colleagues based in English and Creative Writing have wide ranging interests in feminist theory and women’s writing. These include:
- Women’s writing in 1550–1700 (especially drama)
- Seventeenth century writing (especially women’s writing in the radical sects)
- Postcolonial women’s writing
- Contemporary Arab women’s writing
- Feminist theory/gender studies
- Romance studies
- Contemporary women’s writing
- Fashion, gender and the body
- Irish women’s writing and film scripts.

20th Century Literature and Cultural Theory: the Department of English and Creative Writing at Lancaster has enjoyed a national and international reputation for its research and teaching in contemporary literature and literary theory for over thirty years. Current staff interests include:
- Literature and theology
- Literary and cultural theory
- Representations of masculinity in fiction and in cinema
- Genre fiction
- Science fiction
- Contemporary British and American fiction
- Literature and cinema
- Joseph Conrad
- The contemporary novel of ideas
- Postcolonial literatures and theory
- Identity, memory and community: ‘writing migrancy’
- Salman Rushdie
- Theories of reading and reception; epistemology
- Mobility studies
- T.S. Eliot
- Modernism
- Mid-century writing
- Life after theory
- Modernism and the poetry of Wallace Stevens
- Gothic in literature, film and popular culture
- Fashion and dress in literature and popular culture
- Contemporary American fiction and theology
- Transcultural research and writing.

Key fact

At Lancaster we are less than an hours’ drive from the Lake District. Our programmes in Romantic and Victorian Literature take full advantage of this, with field trips to explore the landscape that inspired Wordsworth, Coleridge, Southey, De Quincey, Ruskin and others.
Integrated degrees (1+3)

MA in English Literary Research

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent.

IELTS
6.5 or equivalent.

Assessment
Combination of coursework, research methodology portfolio and dissertation.

Further information
www.lancaster.ac.uk/fass/english

Our English Masters by Research is a one year independent study programme, which is especially attractive to students who already know they want to study for a PhD and have a clear sense of their research interests.

The MA is an opportunity to ‘pilot’ this research and undertake essential preparatory research methodology training (as required by the Arts and Humanities Research Council). From 2012-13, the Department of English and Creative Writing will have two ‘fees only’ 1+3 bursaries to award each year to students planning to follow their MA with a PhD.

Students may choose to pursue an MA by Research in any area of Literary Studies providing a suitable supervisor is available.

Cath Nichols
PhD Creative Writing

"I chose the MA in Creative Writing at Lancaster as it gave me the opportunity to build up new networks in Cumbria and Lancashire. It also encouraged me to think about the areas of my research that I could develop which led me to the area I now research for my PhD.

I’ve always been interested in how poetry sounds so it seemed natural to make part of my research about radio. The tutor I approached was equally enthusiastic and my studies now include the poets’ perspectives, the history of the medium, and the perspectives of radio commissioners.

Key fact

The Department of English and Creative Writing is able to offer a number of ‘fees only’ bursaries to both home/EU and overseas students on a competitive basis. These include bursaries for MAs, PhDs and 1+3 schemes of study (i.e. for those students who plan to continue with a PhD after the successful completion of their MA). Please see the Departmental website for further details of the funding available.

For more information please go to www.lancaster.ac.uk
Taught programmes

Please note, these programmes are also eligible for 1+3 funding (see key fact on page 45).

MA in English Literary Studies

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent, in English Literature or related subject.

IELTS
6.5 or equivalent.

Assessment
Combination of coursework, dissertation and research methodology portfolio.

Further information
www.lancaster.ac.uk/fass/english

All pathways have core modules, to which can be added optional modules from the full range of modules. The generalist English Literary Studies is especially flexible, allowing a mix of genres and periods and also includes creative writing options, giving students a unique opportunity to study a creative-critical MA. Importantly, students can craft a pathway that suits them.

For funding purposes, this course may constitute the first year of a 1+3 graduate programme (see key facts).

Compulsory modules (all pathways):
- Dissertation
- Research Methodology

Additional compulsory modules
- Contemporary Literary Studies – option choices focused on period
- Early Modern Literature – Bodies and Spirits in Early Modern Literature; Politics and Place in Early Modern Literature
- Literary and Cultural Studies – Critical Debates in Cultural Studies
- Romantic and Victorian Literature – option choices focused on period

Optional modules
English Literary Studies students may choose from any of the following modules (and also have access to the above compulsory elements for the other pathways). Other pathways may choose from a more limited subset, tied more closely to their area of specialism. Modules offered are subject to change.
- American Fiction
- Locating Contemporary Poetry: The Living Tradition
- Contemporary British Fiction
- Bodies and Spirits in Early Modern Literature
- Politics and Place in Early Modern Literature
- Post-Colonial Women’s Writing and Film
- Contemporary Gothic: Text and Screen
- Romanticism and Literary Theory
- 19th Century Literature and Technology
- On Location in the Lakes
- The Victorian Novel and Film
- Romance and Realism: The Evolution of 19th Century Fiction
- 19th Century Literary Siblings
- Literature and Film
- Victorian Extremes: the Coming of Modernity
- Fusions: Genres, Critical and Creative
- Subcultural Fictions
- Writing the 19th Century City
- The Byron-Shelley Circle
- Rewriting the Victorians
- Special Subject Module
- Posthumanism: Literature after the Human
- Writing Fiction
- Writing Poetry

Additional optional modules (Literature and Cultural Studies Only)
- Enjoyment, Technology, Consumption
- Debates in Contemporary Feminism: Feminism and Post-Colonial Theory
- Feminist Cultural Theory
- Popular Visual Culture
MA in English Language and Literary Studies
Please see entry under Department of Linguistics and English Language.

MA in Gender and Women’s Studies and English
Please see entry under Department of Gender and Women’s Studies.

MA in Creative Writing
**Duration**
12 months full-time, 24 months part-time.

**Entry requirements**
Portfolio of original writing and any undergraduate degree.

**IELTS**
6.5 or equivalent.

**Assessment**
Portfolio of creative work plus a piece of self-critical reflective writing.

**Further information**
www.lancaster.ac.uk/fass/english

This course allows students to pursue a writing project in their chosen literary form supported by a range of specialist tutors, a peer critiquing process in twice weekly workshops, and termly online conferences via the University’s Virtual Learning Environment (VLE).

A number of professional writers visit the course throughout the academic year, giving talks in their specialist genres, hosting workshops to stimulate new work or providing insight and advice in areas of prose fiction, poetry, creative non-fiction and other literary forms. The course also provides a showcase event for students to read their work in a public forum. This MA will develop your writing skills and promote reflection upon the writing process, equipping you to develop your experience and ideas into literary form.

We offer structured advice on the publishing industry, inviting leading agents and publishers to visit the course and advise students. Recent publishing successes of former students include Justin Hill’s novel *The Drink and Dream Teahouse*, Monique Roffey’s Orange Prize-shortlisted novel *The White Woman on the Green Bicycle*, Jacob Polley’s T.S Eliot Prize-shortlisted collections of poetry, Ali Shaw’s novel *The Girl with Glass Feet*, which was shortlisted for the Costa First Novel Award in 2009 and Ray Robinson’s novel *Electricity* shortlisted for the James Tait Black Memorial prize in 2006.

MA in Creative Writing (Distance Learning)
**Director of Studies**
Professor Graham Mort.

**Duration**
24 months part-time.

**Entry requirements**
Portfolio of original writing and undergraduate degree.

**IELTS**
6.5 or equivalent.

**Assessment**
Portfolio of creative work plus a piece of self-critical reflective writing.

**Further information**
www.lancaster.ac.uk/fass/english

Our distance learning MA is an international programme linking students in the UK and overseas through virtual learning.

The programme is mediated almost entirely by online tutorials and conferences. You will be a member of a cohort of 18–20 students, exchanging writing in a range of literary forms and critiquing it from different social and cultural perspectives. You will be allocated a personal tutor (an expert in your chosen genre), and our course site provides research training modules and a cybercafé where you can meet and communicate informally.

At the end of the Summer Term of your first year, a five day Summer School is held on campus, consisting of workshops, personal progress reviews, reading and visits by agents, publishers and writers.

**Key fact**
An international cohort means exciting links and opportunities for students. Each year we offer two scholarships for international students to join this programme, ensuring it reaches across the globe.
European Languages and Cultures
The Department of European Languages and Cultures are pioneers in multidisciplinary language studies.

Our research focuses on nationally specific and/or transcultural aspects of European and global cultures and societies. The specialist interests of our academic staff include the languages and cultures of France and Francophone Africa, Germany and Austria, Spain and the Hispanic world, as well as their relationship with English speaking cultures and those of the greater Europe.

Particular areas of expertise include:
- Austrian literature and cultural politics
- Authorship and celebrity
- Comparative cultural studies
- Cross-cultural communication
- Film with particular reference to the GDR and Latin America
- Francophone Africa
- Latin American studies
- The poetics of resistance
- Translation and minority languages
- Writing and migration
- Medieval literature of Spain

Together with The Centre for Transcultural Writing and Research at Lancaster, we collaborate closely with the Universities of Manchester and Liverpool in the organisation of research workshops and training programmes. We encourage collaborative work between staff and research students and offer strong support for students wishing to publish and present work at conferences. For further information concerning studentships or alternative sources of funding, please contact our Director of Postgraduate Studies, Dr Nick Hodgin n.hodgin@lancs.ac.uk

Research degrees
MPhil/PhD
Entry requirements
Usually an MA degree and a viable research proposal.
IELTS
6.5 or equivalent.
Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/fass/eurolang/pg/phd

We are interested in proposals from students working in any of the departmental areas of expertise. Your topic may be based entirely within one of the three languages taught in the Department (French, German, Hispanic), or it may be comparative or transcultural in scope. We also consider interdisciplinary topics involving collaboration with History, English, Contemporary Arts and Performance.

MA in Languages and Cultures (by research)
Entry requirements
Usually an MA degree and a viable research proposal.
IELTS
6.5 or equivalent.
Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/fass/eurolang/pg/masters/malang/index.htm

The MA programme is designed to allow MA students to develop specialist knowledge of a subject area at an advanced level and to develop skills which can be transferred into professions outside the university. The programme may also be considered a pathway towards doctoral research.

The subject for study may further develop a topic already encountered during your undergraduate studies, whether at DELC or an institution elsewhere, or, it may draw upon a breadth of expertise in the department.

The programme is assessed primarily by dissertation and comprises three taught modules. All three modules can be selected from the range available in DELC and related departments in the Faculty. All the modules will be taught in English language, and each taught module is assessed by one essay of 5000 words. In addition to the three taught modules, it is a requirement that you attend a non-assessed module in research methodology offered centrally by the Faculty of Arts and Social Sciences.
Research degrees
- MPhil/PhD
- MA in Languages and Cultures (by research)

Number of postgraduate students
10

Postgraduate enquiries
Director of Postgraduate Studies
Dr Nick Hodgin
Tel: +44 (0)1524 593005
Fax: +44 (0)1524 593942
Email: eurolang@lancaster.ac.uk
www.lancaster.ac.uk/fass/
eurolang
Gender and Women’s Studies

The Centre for Gender and Women’s Studies is based in the Department of Sociology and is a cross-disciplinary forum.

Established in the early 1980’s, Gender and Women’s Studies at Lancaster brings together more than 40 staff and postgraduate students from 19 departments in the Arts and Social Sciences, as well as from other faculties in the University. The Centre is distinctly interdisciplinary in its focus and also aims to foster links between academic research and political movements for gender equality and social justice.

The Centre has close links with a vibrant feminist community on campus and in the city. The Department’s excellence is reflected in a ranking within the top five in the UK (2008 RAE).

The Centre has notable staff and student alumni which includes some of the most famous feminist academics in the UK and beyond. Former directors of the Centre include Jackie Stacey, Sara Ahmed, Celia Lury, Bev Skeggs, Gail Lewis, Anne-Marie Fortier, Vicky Singleton and Maureen McNeil.

Research degrees

MPhil/PhD

Entry requirements
An upper second class honours degree, or its equivalent, in a relevant subject and a viable research proposal.

IELTS
7.0 or equivalent.

Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/fass/centres/gws

We accept PhD applicants whose interests dovetail with those of our academic staff. These are wide ranging and can be described broadly as falling within the following areas:

- Feminist Technoscience
- Bodies
- ‘Race’ and Racisms
- Migration Studies
- Postcolonial Studies
- Studies of Health and Science
- Citizenship
- Violence, Conflict and War
- Organisational and Management Studies
- Religious Practice, Religious Texts and Hermeneutics
- Feminist Media Studies
- Health and Medicine
- Studies of Technology
- Studies of Non-Human/ Human Relations

Our research interests

Staff research interests are diverse, reflecting the interdisciplinary and post-disciplinary nature of research in gender and women’s studies in the Centre. They can be loosely grouped under the following headings:

Substantive topics include: New feminist activism • Social justice • Gendered bodies and embodiment • Digital and social media • Queer theory and activism • Gender and health • Medical care and biomedicine • Health and social movements • Gender, religion and spirituality • Gender, science and technology • Social reproduction • Gender and education • Sexuality • Gender and performance art • Multiculturalisms • Nation formation • Migration and citizenship • Gender and criminology • Gender, language and discourse • Human/machine relations • Gender, chronic illness and disability • Gender and social class • Motherhood and parenting • Gendered violence • Gender and globalisation • Inequalities.

Theoretical approaches include: Feminist cultural theory • Postcolonial theory • Critical discourse theory • Postcolonial studies • Queer theory • Feminist technoscience studies • Social studies of science and technology • Gender studies • Feminist theory.
Taught programmes

MA in Gender and Women’s Studies

Director of Studies
Dr Debra Ferreday.

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent, in Sociology or Gender and Women’s Studies (or related field).

IELTS
7.0 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.lancaster.ac.uk/fass/centres/gws

This MA is a modular programme designed for those wishing to specialise in the multidisciplinary subjects of Gender and Women’s Studies. The course offers a wide choice of areas of study:

Compulsory modules
- Debates in Feminist Research
- Gender, Sex and Bodies

Optional modules
(Choose four; subject to change)
- Beyond the Text: Literature, Image and Voice as Historical Evidence
- Bodies and Spirits
- Contemporary British Fiction
- Contemporary Gothic
- Contemporary Literature and Technology
- Feminist Cultural and Media Studies
- Feminist Technoscience Studies
- Gender and Language
- Gender and Islam: Muslim Women and the Qur’an
- Gender and Violence
- Postcolonial Women’s Writing
- Romance and Realism
- The Construction of Gender in Asian Religions
- Women in Western Religious Traditions
- Women and Sexuality in the Christian Tradition
- Women’s Studies Research Project

Plus a dissertation (15,000 – 20,000 words)

Research degrees
- MPhil/PhD

Taught programmes
- MA in Gender and Women’s Studies
- MA in Gender and Women’s Studies and English
- MA in Gender and Women’s Studies and Sociology

Number of postgraduate students
18

Directors
Dr Celia Roberts (PhD)
Dr Imogen Tyler (PhD)

Postgraduate enquiries
Tel: +44 (0)1524 594178
Email: spgadmissions@lancaster.ac.uk
www.lancaster.ac.uk/fass/centres/gws
Taught programmes (continued)

MA in Gender and Women’s Studies and English
Director of Studies
Dr Vicky Singleton.

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent, in Sociology, or Gender and Women’s Studies or English (or related field).

IELTS
7.0 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.lancaster.ac.uk/fass/centres/gws

Many literature students develop an interest in Gender and Women’s Studies, and many students discover that literature is a field to be explored. This MA offers a means of combining those interests at an advanced level through a selection of modules:

**Compulsory modules**
- Debates in Feminist Research

Plus one of the following modules:
- Contemporary British Fiction
- Contemporary Literature and Technology
- Contemporary Gothic
- Romance and Realism
- Bodies and Spirits
- Postcolonial Women’s Writing

**Optional modules**
Choose four from Gender and Women’s Studies and English modules.

Plus a dissertation (15,000-20,000 words)

---

MA in Gender and Women’s Studies and Sociology
Director of Studies
Dr Vicky Singleton.

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent, in Sociology or Gender and Women’s Studies.

IELTS
7.0 or equivalent.

Assessment
Combination of coursework and dissertation.

Further information
www.lancaster.ac.uk/fass/centres/gws

This MA scheme explores the intersection between empirical sociological research and theoretical developments. It is ideal for those who wish to study Gender and Women’s Studies and Sociology at an advanced level.

**Compulsory modules**
- Debates in Feminist Research
- Gender, Sex and Bodies

**Optional modules**
Choose four from Gender and Women’s Studies and Sociology modules.

Plus a dissertation (15,000 – 20,000 words)

---

**Key fact**
The Department offers very popular summer schools in feminist technoscience studies and feminist cultural theory.
History

The History Department at Lancaster University enjoys a thriving research culture. We foster original research and support collaborative relationships within and outside of the discipline.

Regular seminars, master classes by renowned historians, conferences and colloquia, an annual national postgraduate conference, 'Histfest' and interdisciplinary links throughout the Faculty provide a stimulating and friendly environment in which postgraduate students can achieve their full potential.

The wide variety of internationally recognised research activity in the Department often involves specialist research teams of academic staff, research associates, and visiting scholars, and we are involved in a number of exciting externally funded projects.

Our staff retain a strong commitment to individual research and scholarship and through this the Department has developed expertise in areas extending from late antiquity to modern and contemporary history. Our research embraces socioeconomic, cultural, political, religious and intellectual history, and has an innovative cross-disciplinary emphasis. This breadth enables us to offer supervision and teaching in a wide range of historical research specialisms. Our research interests

Entrepreneurship is an emerging, active and multidisciplinary research specialism. Staff have complementary academic backgrounds embracing management, business history, economics, sociology and technology. Regular engagement with business through outreach activity informs and enriches their research and facilitates knowledge exchange.

In many cases, research activity is closely linked to a number of projects which are being conducted collaboratively with various industrial and business partners. Research in IEED is currently focused on the following themes:

Entrepreneurial Learning: the exploration of the nature of entrepreneurial behaviour and the way in which entrepreneurs learn.

Work on entrepreneurial behaviour has used social psychology, and specifically social constructionism, to explore entrepreneurial behaviour and understand the contextual links between individuals' motivations, behaviours and business strategies. The work is expanding to explore how concepts of the entrepreneur are constructed and used within society.

Family Business: the diversity and number of family businesses and their behaviour make them an important field of study and one that requires an in-depth and systematic examination.

Research degrees

- MPhil/PhD

Director of Studies
Dr Deborah Sutton.

Entry requirements
An MA in History or related discipline, or previous high quality publications, and a viable research proposal.

IELTS
6.5 or equivalent.

Assessment
Dissertation and oral viva voce examination.

Further Information
www.lancaster.ac.uk/fass/history

The Department has a lively and cosmopolitan postgraduate research community and we aim to help you become first class researchers and scholars. We accept applications for a wide range of proposals and offer expert supervision from staff within the Department and, where necessary, through close relationships with other departments.

Potential applicants are invited to contact Rebecca Sheppard
Email: r.sheppard1@lancaster.ac.uk

Number of postgraduate students
65

Postgraduate enquiries

Postgraduate coordinator: Amanda Harrison
Tel: +44 (0)1524 592549
Fax: +44 (0)1524 846102
Email: amanda.harrison@lancaster.ac.uk
www.lancaster.ac.uk/fass/history

Key fact

The Iredell Trust provides funding for postgraduate students within the Department of History. Faculty fees bursaries and Regional Heritage Consultancy bursaries are available for MA and PhD programmes and the department has independent funds to support field and archival work and conference attendance.
Our research interests

Lancaster’s History Department is a thriving centre of historical learning. With 24 staff our range is broad, well beyond what is found in several comparable universities. We offer:

- A chronological range, late antiquity to modernity
- Exceptionally broad geographical scopes, including Western and Central Europe, North Africa, The Middle East, South and East Asia, Australasia, and the Americas
- Methodological diversity, from political history to medieval cookery, and from quantitative methods to the history of architecture and music

The Department is marked by creative synergy and high standards of scholarship as well as strong collegiality.

We have a deep commitment to engagement with the local community while aspiring to the highest professional standards, and utmost reach. We are particularly proud of our leading contribution to the history of the North West and Lancaster.

Our main areas of research are: medieval history; early modern British and Atlantic history and Oceania c.1500-1800; local, regional and geographical history, with particular reference to the North West and, modern and contemporary history, with particular focus on cultural history.

Our current, externally funded research projects include:

- **Victoria County History**: a community local history project, involving over 90 volunteers working under supervision from Lancaster University towards creating parish histories for the Victoria County History (VCH), the leading national work of reference for local history.
- **Spatial Humanities**: a five-year project funded by the European Research Council which aims to create a step-change in the way that place, space and geography are explored in the humanities.
- **Battlegrounds of Memory and Justice**: an interdisciplinary project which studies the memorialisation of past conflicts and the use or misuse of those memories in the political and social arenas.
- **The Temple and Modernity**: a two-year project that explores the changing cultural, political and religious definitions of the Hindu temple in India over the last two centuries.
- **Norton Priory**: an AHRC funded project working with Norton Priory Trust, Cheshire, to provide interpretative material for the new Heritage Lottery-funded Museum, including biographies of individuals associated with the Priory in the medieval period to accompany facial reconstructions from skeletal remains.

Taught programmes

**MA in History**

**Director of Studies**
Dr Deborah Sutton.

**Duration**
12 months full-time, 24 months part-time.

**Entry requirements**
An upper second class honours degree, or its equivalent, in History or a related discipline.

**IELTS**
6.5 or equivalent.

**Assessment**
Coursework and dissertation.

**Further information**
www.lancaster.ac.uk/fass/history

The MA in History at Lancaster University provides an exciting, stimulating study experience for students wishing to develop their knowledge of History and their skills in historical research.

An area of strength of the degree is its engagement with heritage, public history and education. The Department of History prides itself on its placement and consultancy modules which allow students to build skills in heritage studies and public engagement. Our placement partners for the Heritage and Public History Placement module include the Norton Priory Trust in Runcorn, the North Craven Heritage Trust and the Senhouse Museum Trust. Critical Heritage Studies combines academic seminars with field-trips to museums in the region. The skills component for this module includes training in the use of audio-visual recording equipment and editing software in order to explore new media for public engagement. The programme also includes an opportunity to undertake an assessed placement in either a primary or secondary school.
Another area of strength that the programme has is the development of original and in-depth research projects. The programme emphasises excellence in research training and offers skills courses in, for example, research design, digital humanities, palaeography and Medieval Latin. The MA programme allows students to choose to write either a short (15,000 word) or long (25,000 word) dissertation on a research project of their own design, working closely with a supervisor over the course of the academic year.

**Modules**
(Subject to change, and not all available in a given year)
- Critical Heritage Studies
- How Historians Understand and Explain
- Researching and Writing History
- History for Life
- Advanced Cultural History
- Advanced Political History
- Historical Approaches to Locality and Region
- Beyond the Text: Literature, Image and Voice as Historical Evidence
- Heritage and Public History Placement
- Digital Humanities
- Sources for Medieval History and Palaeography
- Medieval Primary Sources – Genre, Rhetoric and Transmission
- Medieval Latin Translation for Historians
- Landscape and Heritage
- Historical Consultancy
- School Placement (primary or secondary)

**PgCert in Sources and Approaches in Regional and Local History**

**Director of Studies**
Dr Deborah Sutton.

**Duration**
12 months part-time online distance learning.

**Entry requirements**
An upper second class honours degree, or its equivalent, in History or a related discipline. We will also consider applicants with other qualifications who can demonstrate a proven interest in local or regional history.

**IELTS**
6.5 (with a minimum of 5.5 in each element) or equivalent.

**Assessment**
Two essays; independent research project and learning logs.

**Further information**
[www.lancaster.ac.uk/fass/history](http://www.lancaster.ac.uk/fass/history)

This course is delivered entirely online. It aims to provide the skills, sources and historical contexts to undertake and understand research at a local or regional level, and to stimulate awareness of the role of such research for our broader understanding of Britain’s past. The course focuses on experiences in the century and a half before 1914, a period during which the country was transformed from a largely rural economy to an urban, industrial powerhouse with all the concomitant changes that entailed in terms of social welfare, education, work, leisure, home life, health, political affiliations and values.

Although national and international developments affected everyone in the country in some way, they did not do so consistently. People’s experiences depended on their social class, whether they were male or female and, crucially, on where they lived. Regional and local histories enable us to understand these varied experiences and, in doing so, to assess how typical they might have been.

**Modules**
- Regional and Local Economies and Societies
- Social Relationships and Organisations
- Independent Research Project (c.5000 words)

**Dr Sarah Barber**
Senior Lecturer, History

Research students in History at Lancaster University have access to a unique and vast collection of digital documentary, cartographic and visual sources relating to the history of the colonial Americas. Any subject of research is possible, from a 2,000 square mile region ranging from Panama to Bermuda, Carolina to the Guianas. The Library’s Rare Books section possesses the accounts of an eighteenth century Barbados factor, and members of the University have access to thousands of printed sources in digital subscription. Lancaster’s Sugar House is on the site of one of the earliest sugar boilers. The weather is not quite as hot, but the chances of hurricane are less, and this is the closest to the Caribbean one can get without sailing the oceans.

For more information please go to [www.lancaster.ac.uk](http://www.lancaster.ac.uk)
Law

The Lancaster Law School has a thriving postgraduate programme, which is principally characterised by a multidisciplinary approach to the study of law as a social phenomenon.

Law and criminology are studied in a seminar setting offering a broad subject specific, knowledge based programme of study. Staff in the Law School believe in the need to explore law and criminology in the light of current developments and in a learning environment where postgraduates and academics can work in an informal atmosphere conducive to open debate.

The Law School runs a regular Research Seminar Programme to which outside speakers are invited and work-in-progress papers are given by staff and postgraduate members. Postgraduate students also run their own Colloquium at which they can present current research ideas and findings to their peers.

We encourage the imaginative use and development of both legal and general skills. The LLM programme is a subject specific based degree, which is designed to develop knowledge and expertise in an area of specific interest – enhancing employability for a wide range of careers.

The Law School has institutional links with major law schools in Europe and participates in the Erasmus European student exchange scheme whilst more informal links exist with law schools in the USA. This all helps to reinforce the international perspective advocated by the Department.

Research students are supported by supervisors who are specialist in the student’s area of interest. Taught courses in law share a common approach beginning with research and study skills, plus taught modules, which are followed by a dissertation for the taught programme candidates. Each taught programme focuses on a different area of law.

Nurzhan Anuarbek
(LLM)

I selected Lancaster University mostly for its impressive research and student satisfaction ratings – plus the Lancaster Law School offered an interesting LLM in International Business and Corporate Law. The staff at Lancaster are friendly and supportive and the teaching methods are modern and up to date.

Classes comprising over 80% international students allowed me to explore different legal systems, economic and social aspects closer than ever and, thus, conducting research became more captivating and attractive. Lancaster University made me feel very comfortable with its green campus setting and modern facilities at every turn. I would highly recommend Lancaster University as a source of reliable and modern education.
Research degrees

MPhil/PhD

Entry requirements
An upper second class degree, or equivalent, and a viable research proposal. For entry onto the PhD a Masters degree is desirable but not essential (the Law School may take into consideration attainment in dissertation modules and relevant work or other experience).

IELTS
6.5 or equivalent.

Assessment
Original research, thesis and viva.

Further information
www.lancaster.ac.uk/fass/law

We welcome applications for MPhil/PhD. In order to offer the best supervision experience, proposals need to be focused within one of the following areas of interest:

Law and Society: including medical law; cyber law; criminal justice; critical legal theory; jurisprudence; legal history; public law and property law.

International/European Law: including public/private international law; international human rights law; international humanitarian law; comparative law; international economic law; European law; EU labour law; judicial independence and accountability.

Business Law: including competition law; corporate law; insolvency law; contract law; inter jurisdiccional litigation; international investment law and employment law.

Criminology: including alcohol and drug use; criminal careers; evaluation of public sector crime and welfare projects; globalisation and crime; hate crime; night-time economies; policing, policy analysis; prevention; punishment and criminal justice; social exclusion; youth leisure and youth subcultures.

LLM by Research

Duration
12 months full-time, 24 months part-time.

Entry requirements
A good second class honours degree and a viable research proposal.

IELTS
6.5 or equivalent.

Assessment
30,000 word dissertation and viva.

Further information
www.lancaster.ac.uk/fass/law

The LLM by Research is primarily made available for those who wish to complete a research degree in one year (full-time) and may be particularly suited to those who already have some practical expertise. The intended subject of the research should normally be one in which the Law School does not offer a taught Masters degree. Whilst the work is primarily individual, you will be advised to take some research training in the form of appropriate LLM modules or modules from the Faculty Research Training Programme.

Research degrees

- MPhil/PhD
- LLM by Research

Taught programmes

- LLM in International Business and Corporate Law
- LLM in International Human Rights Law
- LLM in International Human Rights and Terrorism Law
- LLM in International Law
- LLM/MA in Bioethics and Medical Law
- LLM/MA in Diplomacy and International Law
- LLM/MA in Diplomacy and International Law (Distance Learning)
- LLM/MA in International Law and International Relations
- LLM/MA in Environment and the Law
- LLM/MA in Human Rights and Environment
- LLM in Law
- PgDip in Law

Number of postgraduate students
92

Head of School
Professor Alisdair Gillespie

Postgraduate enquiries
Eileen Jones
Tel: +44 (0)1524 592476
Email: ejones@lancaster.ac.uk
www.lancaster.ac.uk/fass/law
Our research interests

The School has a strong research culture, as evidenced by consistently high performance in Research Assessment Exercises. In RAE 2008, 90% of the School’s research was rated as being world leading, internationally excellent or internationally recognised, with 100% of research active staff being included. Our research is characterised by its interdisciplinary nature and is focused in the following four areas:

**International/European Law:** with subfields in Public international law; private international law; International human rights law; international humanitarian law; comparative law; international economic law; European law; EU labour law; judicial independence and accountability.

**Business Law:** with subfields in Competition law; corporate law (national and international); Insolvency law; contract law; inter jurisdictional litigation; international investment law and employment law.

**Law and Society:** with subfields in medical law; cyber law; criminal justice; critical legal theory; jurisprudence; legal history; public law and property law.

**Criminology:** with subfields in drugs and alcohol; crime; criminal justice and hate crime.

In all four areas colleagues’ research is informed by a range of perspectives and methodologies.

The School’s academic community is centred on the Centre for Law and Society (www.lancaster.ac.uk/fass/centres/lawandsociety); and we have strong links to the following interdisciplinary research environments:

- The Centre for Bioethics and Medical Law (www.lancaster.ac.uk/bioethics_and_medlaw)
- Centre for International Law and Human Rights (www.lancaster.ac.uk/cilhr)
- British Association for Canadian Studies Legal Studies Group (www.lancaster.ac.uk/fass/organisations/canadian)
- Law and Systems Theory Network (LaSTNet) (www.lancs.ac.uk/fass/networks/lastnet/)
- Hate Crime Research Group (www.lancaster.ac.uk/fass/groups/hate-crime/index.php)
- Centre for Crime, Law and Justice (www.lancaster.ac.uk/fass/centres/clj)

Taught programmes

**LLM in International Business and Corporate Law**

**Director of Studies**
Dr Sophia Kopela.

**Duration**
12 months full-time, 24 months part-time.

**Entry requirements**
A good second class honours degree, in an appropriate discipline.

**IELTS**
6.5 or equivalent.

**Assessment**
Coursework and dissertation.

**Further information**
www.lancaster.ac.uk/fass/law

This programme is designed to ensure that whatever your focus, you can combine courses to give you a coherent international and European perspective on the law as it relates to business and affects corporations. There is scope within the programme for you to pursue specific interests.

This scheme offers two optional pathways, the programme of which will be confirmed by the student at registration:

- Studying five modules with a 20,000 word dissertation
- Studying six modules with a 15,000 word dissertation
### Core modules
- Corporations in International Business Law
- Dissertation

### Optional modules
(Subject to change; choose four)
- Conflicts of Law in Business Relations
- Companies and Contracts
- Corporate Governance
- Environmental Law
- European and International Competition Law
- European Union Law
- Independent Research Module
- International Business Law and Institutions (WTO)
- International Environmental Law
- International Investment Law
- International Law
- Insolvency Law
- Intellectual Property
- Law of International Organisations and Institutions

Any other LLM module may be taken with permission from the Director.

---

**LLM in International Human Rights Law**

**Director of Studies**
Dr Sophia Kopela.

**Duration**
12 months full-time.

**Entry requirement**
A good second class honours degree, in an appropriate discipline.

**IELTS**
6.5 or equivalent.

**Assessment**
Coursework and dissertation.

**Further information**
[www.lancaster.ac.uk/fass/law/prospective/postgrad/llminterhuman](http://www.lancaster.ac.uk/fass/law/prospective/postgrad/llminterhuman)

This scheme is intended to appeal to students who wish to study International Human Rights Law at Masters level, with the research focusing on a distinct although relatively broad specialism.

The required courses, combined with appropriate options, lay a strong foundation in the basics of international human rights which are of increasing importance today. The coursework requirements will develop research skills, and lay a basis for a dissertation, which is the main assessed component of the programme. Graduates completing the programme will be equipped to engage in more specialised practical or academic research in this field.

This scheme offers two optional pathways, the programme of which will be confirmed by the student at registration:

a) Studying five modules with a 20,000 word dissertation
b) Studying six modules with a 15,000 word dissertation

### Core modules
- International Human Rights Law
- International Law
- One of the following human rights options:
  - Rights of Peoples
  - The Right to Adequate Food as a Human Right
  - International Criminal Law
- Independent Research Module
- International Criminal Law
- International Environmental Law
- International Family Law
- International Terrorism and the Law
- Law and Global Health
- Law of International Organisations and Institutions
- Rights of Peoples
- The Right to Adequate Food as a Human Right
- Transitional Justice

Any other LLM module may be taken with permission from the Director.
Taught programmes (continued)

LLM in International Human Rights and Terrorism Law

**Director of Studies**
Dr Sophia Kopela.

**Duration**
12 months full-time, 24 months part-time.

**Entry requirements**
A good second class honours degree, in an appropriate discipline.

**IELTS**
6.5 or equivalent.

**Assessment**
Coursework and dissertation.

**Further information**
www.lancaster.ac.uk/fass/law

This programme provides a bridge from undergraduate level studies (or equivalent professional experience) to research, focusing on a distinct although relatively broad specialism.

The core modules, combined with appropriate optional modules, lay a strong foundation in the basics of international human rights, and the law relating to terrorism. The coursework develops your research skills, and ensures a solid knowledge basis is established for the dissertation, which is the main assessed component of the programme. Graduates completing the programme are equipped to engage in more specialised practical or academic research in this field.

This scheme offers two optional pathways, the programme of which will be confirmed by the student at registration:
- Studying five modules with a 20,000 word dissertation
- Studying six modules with a 15,000 word dissertation

**Core modules**
- International Human Rights Law
- International Law
- International Terrorism and the Law
- Dissertation

**Optional modules**
(Subject to change; choose two)
- Environmental Law
- European Union Law
- Gender, Sexualities and Human Rights
- Independent Research Module
- International Criminal Law
- International Environmental Law
- International Family Law
- Law and Global Health
- Law of International Organisations and Institutions
- Rights of Peoples
- The Right to Adequate Food as a Human Right
- Transitional Justice

Any other LLM module may be taken with permission from the Director.

LLM in International Law

**Director of Studies**
Professor James Sweeney.

**Duration**
12 months full-time.

**Entry requirements**
A good second class honours degree, in an appropriate discipline.

**IELTS**
6.5 or equivalent.

**Assessment**
Coursework and dissertation.

**Further information**
www.lancaster.ac.uk/fass/law

This programme introduces you to the structure of the international legal system, its relationship with national law, the sources and subjects of international law, and the law's application to contemporary situations such as the environment, territory and the use of force. The taught modules give you a broad range of options for the study of different aspects of international law, allowing you to create a programme that matches your interests.

This scheme offers two optional pathways, the programme of which will be confirmed by the student at registration:
- Studying five modules with a 20,000 word dissertation
- Studying six modules with a 15,000 word dissertation

**Core modules**
- International Law
- Dissertation

**Optional modules**
(Subject to change; choose four)
- Corporations in International Business Law
- Environmental Law
- European Union Law
- Gender, Sexualities and Human Rights
- Independent Research Module
- International Business Law and Institutions
- International Criminal Law
- International Environmental Law
- International Family Law
- International Human Rights
- International Terrorism and the Law
LLM/MA in Bioethics and Medical Law

**Director of Studies**
Dr Sara Fovargue.

**Duration**
12 months full-time.

**Entry requirements**
A good second class honours degree, in an appropriate discipline or relevant professional qualification and experience.

**IELTS**
6.5 or equivalent.

**Assessment**
Coursework and dissertation.

**Further information**
www.lancaster.ac.uk/fass/law

This programme is taught via block teaching and structured learning by the Law School and the Department of Politics, Philosophy and Religion (PPR) and is for those with an interest in medical ethics, and healthcare law, including medical students.

The programme introduces you to the fundamental analytical skills of moral philosophy and law and the principal ethical and legal issues arising within medical research and practice and how they are resolved. Issues include regulation of artificial reproduction; life and death decision making; obtaining of informed consent; appropriate use of genetic testing; and fair distribution of health care resources.

**Core modules**
- Foundations of Bioethics
- Foundations in Medical Law
- Life and Death
- Paternalism, Autonomy and Consent
- Dissertation

**Optional modules**
Selection of modules leads to either LLM or MA degree.
- Independent Research Module (Law)
- Self-directed Study (PPR)

LLM/MA in Diplomacy and International Law

**Director of Studies**
Dr Sophia Kopela.

**Duration**
12 months full-time, 24 months part-time.

**Entry requirements**
A good second class honours degree, in an appropriate discipline.

**IELTS**
6.5 or equivalent.

**Assessment**
Coursework and dissertation.

**Further information**
www.lancaster.ac.uk/fass/law

Collaboratively delivered via the Department of Politics, Philosophy and Religion (PPR) and the Law School, this programme has three core modules, which examine different aspects of diplomacy, foreign policy, and international law, providing a strong introduction to the field.

**Core modules**
- International Law
- Issues and Practice in Diplomacy and Foreign Policy
- Theory and Concepts in Diplomacy and Foreign Policy
- Dissertation

**Optional modules**
(Subject to change; choose two)
Option choices determine award of LLB or MA degree.
- Environmental Law
- European Union Law
- European and International Competition Law
- Gender Sexualities and Human Rights
- Independent Research Module
- International Business Law and Institutions
- International Criminal Law
- International Environmental Law
- International Family Law
- International Human Rights Law
- International Terrorism and the Law
- Law and Global Health
- Law of International Organisations and Institutions
- Rights of Peoples
- The Right to Adequate Food as a Human Right
- Transitional Justice

Please see PPR Politics section for related options.
Taught programmes (continued)

LLM/MA in Diplomacy and International Law (Distance Learning)

Please see entry under Politics, Philosophy and Religion on page 77.

LLM/MA in International Law and International Relations

Director of Studies
Dr Sophia Kopela.

Duration
12 months full-time, 24 months part-time.

Entry requirements
A good second class honours degree.

IELTS
6.5 or equivalent.

Assessment
Combination of coursework and dissertation.

Further information
www.lancaster.ac.uk/fass/law

Combining teaching from the Department of Politics, Philosophy and Religion (PPR) and the Law School, this degree develops skills, ability and knowledge in the field of International Relations. Students without prior study of politics, law or international relations are encouraged, but are expected to work hard to make up the gap to master advanced level study of these subjects.

Core modules
- International Law
- Major Approaches to the Study of International Relations
- Dissertation

Optional modules
(Subject to change; choose two. Option choices determine award of LLB or MA degree).
- Environmental Law
- European and International Competition Law
- European Union Law
- Gender, Sexualities and Human Rights
- Independent Research Module
- International Business Law and Institutions
- International Criminal Law
- International Environmental Law
- International Family Law
- International Human Rights Law
- International Terrorism and the Law
- Law and Global Health
- Law of International Organisations and Institutions
- Rights of Peoples
- The Right to Adequate Food as a Human Right
- Transitional Justice

Please see PPR Politics section for related options.

LLM/MA in Environment and Law

Director of Studies
Dr Sophia Kopela.

Duration
12 months full-time.

Entry requirements
A good second class honours degree or equivalent.

IELTS
6.5 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.lancaster.ac.uk/fass/law/prospective/postgrad/limenv

This joint programme with the Lancaster Environment Centre is intended to appeal to students who wish to study the environmental aspects of law or the legal regulation of the environment at Masters level.

This programme has a flexible pathway of study which will define the classification of the final award with either an LLM or MA. Students take three modules from Law and three modules from the Lancaster Environment Centre as well as a dissertation.

Core modules
- Perspectives on Environment and Development
- Either Environmental Law or International Environmental Law
- Dissertation
**Optional modules in Law**  
(Subject to change; choose two)  
- Corporations in International Business Law  
- Environmental Law  
- European Union Law  
- Gender, Sexualities and Human Rights  
- International Environmental Law  
- Independent Research Module  
- International Law  
- International Human Rights  
- International Criminal Law  
- International Business Law and Institutions  
- International Family Law  
- International Terrorism Law  
- Law and Global Health  
- Law of International Organisations and Institutions  
- Rights of Peoples  
- The Right to Adequate Food as a Human Right  
- Transitional Justice

**Optional modules from the Lancaster Environment Centre**  
(Subject to change; choose two)  
- Chemical Risk Assessment  
- Climate Change and Society  
- Environmental Justice  
- Food Security, Agriculture and Climate  
- Global Change and the Earth System

Any other LLM module may be taken with permission from the Director.

---

**LLM/MA in Human Rights and the Environment**

**Director of Studies**  
Dr Sophia Kopela.

**Duration**  
12 months full-time.

**Entry requirements**  
A good second class honours degree, in an appropriate discipline.

**IELTS**  
6.5 or equivalent.

**Assessment**  
Coursework and dissertation.

**Further information**  
www.lancaster.ac.uk/fass/law/prospective/postgrad/llmhumanandenv

This joint programme with the Lancaster Environment Centre is intended to appeal to students who wish to study the environmental aspects of law and human rights or the legal regulation of the environment through human rights at Masters level.

The programme has a flexible pathway of study, which will define the classification of the final award with either an LLM or MA. Students take three modules from Law and three modules from the Lancaster Environment Centre as well as a dissertation.

**Core modules**  
- Perspectives on Environment and Development  
- Dissertation  
- Either Environmental Law or International Environmental Law  
- One of the following human rights options:  
  - International Human Rights  
  - Rights of Peoples  
  - The Right to Adequate Food as a Human Right

---

**Optional modules in Law**  
(Subject to change; choose one)  
- Corporations in International Business Law  
- Environmental Law  
- European Union Law  
- Gender, Sexualities and Human Rights  
- Independent Research Module  
- International Environmental Law  
- International Law  
- International Business Law and Institutions  
- International Criminal Law  
- International Family Law  
- International Human Rights  
- International Terrorism and the Law  
- Law and Global Health  
- Law of International Organisations and Institutions  
- Rights of Peoples  
- The Right to Adequate Food as a Human Right  
- Transitional Justice

**Optional modules from the Lancaster Environment Centre**  
(Subject to change; choose two)  
- Air Pollution and Climate  
- Chemical Risk Assessment  
- Climate Change and Society  
- Environmental Justice  
- Food Security, Agriculture and Climate  
- Global Change and the Earth System

Any other LLM module may be taken with permission from the Director.
Taught programmes (continued)

LLM in Law
Director of Studies
Dr Sophia Kopela.
Duration
12 months full-time, 24 months part-time.
Entry requirements
A good second class honours degree, in an appropriate discipline.
IELTS
6.5 or equivalent.
Assessment
Coursework and dissertation.
Further information
www.lancaster.ac.uk/fass/law
This programme is designed for students who wish to gain a general qualification in law at postgraduate level.

This scheme offers two optional pathways, the programme of which will be confirmed by the student at registration:
- Studying five modules with a 20,000 word dissertation
- Studying six modules with a 15,000 word dissertation

Core modules
- Dissertation

Optional modules
(Subject to change; choose five)
- Children and Health Care Law
- Companies and Contracts
- Conflicts of Law in Business Relations
- Corporate Governance
- Corporations in International Business Law
- Environmental Law
- European and International Competition Law
- European Union Law
- Foundations in Medical Law
- Gender, Sexualities and Human Rights
- Independent Research Module
- International Business Law and Institutions (WTO)
- International Environmental Law
- International Law
- International Criminal Law
- International Family Law
- International Human Rights Law
- International Humanitarian Law (Armed Conflict)
- International Investment Law
- International Terrorism and the Law
- Insolvency Law
- Intellectual Property
- Law and the Body
- Law and Global Health
- Law of International Organisations and Institutions
- Life and Death
- Rights of Peoples
- The Right to Adequate Food as a Human Right
- Transitional Justice

Postgraduate Diploma in Law
Director of Studies
Dr Sophia Kopela.
Duration
9 months full-time, 18 months part-time.
Entry requirements
A good second class honours degree in an appropriate discipline.
IELTS
6.5 or equivalent.
Assessment
Coursework.
Further information
www.lancaster.ac.uk/fass/law
This diploma provides an introduction to the areas of law that the school specialises in: international law, international law and international relations, international human rights and terrorism law, international business and corporate law.

Essentially, you follow the taught part of the LLM programme, but do not submit a dissertation. Therefore your core and optional modules align with those offered in the various LLM specialisations listed above.
Linguistics and English Language

The Department of Linguistics and English Language is the largest department of Linguistics in Britain.

We offer a range of taught Masters, ranging from English Language and Linguistics to our internationally renowned MAs in teaching English to non-native speakers.

We also welcome PhD students and offer thesis only and thesis with coursework options that are designed to meet the needs of full-time, part-time and distance students. We offer maximum support to postgraduate students via:

- A postgraduate study skills course dedicated to Linguistics students
- Involvement with activities in our research centres
- Specialised research methods courses
- Modules from across the Department to add breadth to studies

We are internationally recognised as leaders in the field of linguistics. In the last Research Assessment Exercise (2008) 85% of our research was internationally recognised and 20% classified as world leading. Moreover, the 2014 QS World University ranking showed us to be among the top ten for Linguistics in the world for the second year in a row. Students and staff are engaged in active research groups in discourse analysis, corpus linguistics, literacy studies, and second language learning, teaching and assessment.

The Department has a state-of-the-art phonetics laboratory, cutting edge equipment used in eye-tracking studies and sophisticated data analysis software for supporting ethnographic and other qualitative research. The University Library’s linguistics holdings are among England’s best and we have specialist computer laboratories for teaching and research.

Our language graduates are employed worldwide in media, education and a range of related careers, as well as in academia. English teachers who have studied with us hold posts throughout the world, both in teaching and in policy development, whilst graduates of the MA in Language Testing are in demand at a high level in governmental organisations and curriculum development centres.
We offer excellent opportunities for postgraduate study and research, including five campus-based MA programmes, three distance MAs and PhD work by research or by a combination of research and coursework. We are friendly and accessible as a department, with an excellent reputation in both the theoretical and applied sides of our discipline.

**Research degrees**

**PhD Linguistics (by Research Only)**

**Director of Studies**
Dr Mark Sebba.

**Duration**
36 months full-time, 60 months part-time.

**Entry requirements**
MA in Linguistics or a related field and a viable research proposal.

**IELTS**
6.5 (with at least 6.0 in listening and speaking and at least 6.5 in reading and writing) or equivalent.

**Assessment**
Original research and thesis.

**Further information**
www.ling.lancs.ac.uk/study/phd/phd.htm

Classic research degrees can be undertaken full-time, part-time, or by a combination of both. You can also register as studying away from Lancaster for part of your studies.

Proposals are accepted in a wide range of topics including: language and media, linguistic description and theory, sociolinguistics, applied linguistics, corpus linguistics, critical discourse analysis, language learning and teaching, bilingualism, gender and language, literacy, stylistics, language testing, and pragmatics.

Students will be matched with staff interests to provide strong supervision relationships.

**PhD in Applied Linguistics (by Thesis and Coursework)**

**Director of Studies**
Dr Diane Potts.

**Duration**
36 months full-time (October or January start); 72 months part-time (January start).

**Entry requirements**
MA in Applied Linguistics or a related field and a viable research proposal.

**IELTS**
6.5 (with at least 6.0 in listening and speaking and at least 6.5 in reading and writing) or equivalent.

**Assessment**
Original research and thesis, assessed coursework.

**Further information**
www.ling.lancs.ac.uk/study/phd/appling

The PhD in Applied Linguistics (by Thesis and Coursework) is the ideal programme for those with professional experience and/or who have previously studied in the field of Applied Linguistics, and want a PhD that broadens as well as deepens their knowledge of relevant research and research methodologies. The programme's flexible design allows students to choose modules offered by any of the department's MA programmes, on-campus or distance, as well as modules specific to the Thesis and Coursework programme.

Many students in this programme are professionals balancing PhD studies with full-time careers, and this contributes to the rich and stimulating academic environment.

Taught courses are covered in four short intensive residential events at Lancaster, and students receive individual supervision and academic support throughout their degree.
Our research interests

The Department is distinguished by a broad and rich range of research interests. Its main areas of excellence are: discourse studies, including critical discourse analysis, pragmatic and stylistics, language teaching, learning and assessment, including language testing and diagnosis, classroom interaction, task based language learning, and second language acquisition and learner language; corpus linguistics and its applications – the Department hosts the ESRC’s Centre for Corpus Approaches to Social Data (CASS); and literacy studies – the Department hosts the interdisciplinary Literacy Research Centre, whose members are interested in literacies in everyday life, online literacies and digitally-mediated teaching and learning, and literacies in professional and educational contexts.

Other areas of special interest lie in the area of linguistic theory and language description (including corpus based and construction grammar), sociolinguistics and phonetics. Methods of language research pursued and developed by members of the Department include text and corpus analysis, ethnography, experiments, and sociolinguistic surveys.

Taught programmes

MA in Discourse Studies

Director of Studies

Dr Julia Gillen.

Duration

12 months full-time, 24 months part-time.

Entry requirements

A good second class honours degree, or its equivalent, in a relevant subject area.

IELTS

6.5 (with at least 6.0 in listening and speaking and at least 6.5 in reading and writing) or equivalent.

Assessment

Coursework and dissertation.

Further information

www.ling.lancs.ac.uk/study/masters/discoursestudies

This MA is an innovative programme specifically designed to give you the competence to undertake empirical work in discourse studies by drawing on both linguistic and social theory. The MA enables you to explore discourse in areas such as politics, business and media, whilst developing skills in a range of analytical methods. Support for your studies is provided by the non-credit Postgraduate Academic Study Skills module which runs in terms 1, 2 and 3.

Core modules

- Introduction to Discourse Studies
- Critical Discourse Analysis
- Pragmatics
- Research Methods in Linguistics and English Language
- Dissertation

Plus two optional modules from:

- Bilingualism
- Content Based Instruction
- Corpus Linguistics
- English Grammar
- Introduction to Language Teaching
- Language, Literacies and Digital Communication
- Language Test Construction and Evaluation
- Learning and Teaching in Digitally Mediated Spaces
- Pedagogical Grammar
- Second Language Acquisition
- Sociolinguistics
- Sociophonetics
- Stylistics
- Task-based Language Teaching
- Teaching Languages to Students with Specific Learning Differences
- Using Corpora in Language Teaching

There is some flexibility to increase the scope of the dissertation and to reduce or add optional modules if you have already covered a core area in depth.
**Taught programmes (continued)**

**MA in English Language (by distance)**

**Director of Studies**
Professor Jonathan Culpeper.

**Duration**
36 months part-time, by distance learning.

**Entry requirements**
An upper second class honours degree, or its equivalent, in a relevant subject area.

**IELTS**
6.5 (with at least 6.0 in listening and speaking and at least 6.5 in reading and writing) or equivalent.

**Assessment**
Coursework and dissertation.

**Further information**
[www.ling.lancs.ac.uk/study/masters/englishlanguage](http://www.ling.lancs.ac.uk/study/masters/englishlanguage)

This MA is designed to appeal to a wide audience, including people who want to gain a further qualification in English Language or those, such as teachers of the A level in English Language in the UK, who have taught English Language and want to consolidate their background. (N.B. English language here refers to the study of English as a foreign language not the practice of English).

The MA is designed for part-time study alongside a full-time job. Each of the six modules, spread out over two years, begins with a one day face-to-face session on a Saturday at Lancaster University's outlet in London. The remainder of the course is taught via the web, with assessment via coursework and learning supported by an online forum. The final year involves a dissertation supported by an individual supervisor.

The MA reflects the scholarship of the English Language Department at Lancaster and takes a broad view of what constitutes English Language studies. It focuses on the description and explanation of the English language, including its structure, functions and social contexts of use.

**Modules**
- Corpus Linguistics
- Discourse Analysis
- English Grammar
- History of English
- Investigating Spoken English
- Stylistics

**MA in English Language and Literary Studies**

**Director of Studies**
Dr Julia Gillen.

**Duration**
12 months full-time, 24 months part-time.

**Entry requirements**
A good second class honours degree or its equivalent, in a relevant subject area.

**IELTS**
6.5 (with at least 6.0 in listening and speaking and at least 6.5 in reading and writing) or equivalent.

**Assessment**
Coursework and dissertation.

**Further information**
[www.ling.lancs.ac.uk/study/masters/lit](http://www.ling.lancs.ac.uk/study/masters/lit)

The MA in English Language and Literary Studies is ideal for you if you would like to combine your studies of English Language with the study of literature and literary theory. This MA is taught jointly by the Department of Linguistics and English Language and the Department of English and Creative Writing, allowing a great deal of flexibility to follow your own interests.

It consists of six credit-bearing modules, including at least two from each department, at least one research methods course and a dissertation. Support for your studies is provided by the non-credit Postgraduate Academic Study Skills module, which runs in terms 1, 2 and 3.

**English Language modules**
- Bilingualism
- Corpus Linguistics
- Critical Discourse Analysis
- English Grammar
- Introduction to Discourse Studies (prerequisite for Critical Discourse Analysis)
- Language, Literacies and Digital Communication
- Learning and Teaching in Digitally Mediated Spaces
- Pragmatics
- Sociolinguistics
- Sociophonetics
- Stylistics

**Literary Studies modules**
Please see [www.lancaster.ac.uk/fass/english/postgrad/english/masters-english.htm](http://www.lancaster.ac.uk/fass/english/postgrad/english/masters-english.htm)
MA in Language and Linguistics

Director of Studies
Dr Julia Gillen.

Duration
12 months full-time, 24 months part-time.

Entry requirements
A good second class honours degree, or its equivalent, in a relevant subject area.

IELTS
6.5 (with at least 6.0 in listening and speaking and at least 6.5 in reading and writing) or equivalent.

Assessment
Coursework and dissertation.

Further information
www.ling.lancs.ac.uk/study/masters/language-and-linguistics.php

This is our most flexible taught programme. You take one core module and a dissertation that further develops your specialist interests.

We also offer an extended dissertation option. Support for your studies is provided by the non-credit Postgraduate Academic Study Skills module, which runs in terms 1, 2 and 3.

Core modules
- Research Methods in Linguistics and English Language
- Dissertation

Plus five modules chosen from the optional modules each term (20 credits each except where indicated).

Optional modules
- Bilingualism
- Corpus Linguistics
- Critical Discourse Analysis
- English Grammar

- Introduction to Discourse Studies (prerequisite for Critical Discourse Analysis)
- Introduction to Language Teaching
- Language, Literacies and Digital Communication
- Language Test Construction and Evaluation
- Learning and Teaching in Digitally Mediated Spaces
- Pragmatics
- Second Language Acquisition
- Sociolinguistics
- Sociophonetics
- Stylistics
- Task-based Language Teaching

10 credit courses
- Teacher Development in Language Education
- Teaching Languages to Students with Specific Learning Differences
- Using Corpora in Language Teaching
- Content Based Instruction
- Pedagogical Grammar

MA in Language Testing (by distance)

Director of Studies
Dr Tineke Brunfaut.

Duration
24 months part-time, by distance learning.

Entry requirements
A good second class honours degree, or its equivalent. Applicants must normally have three years of teaching experience and/or hold a post with responsibility for language test design, construction and evaluation.

IELTS
6.5 (with at least 6.0 in listening and speaking and at least 6.5 in reading and writing) or equivalent.

Assessment
Coursework and dissertation.

Further information
www.ling.lancs.ac.uk/study/masters/testingdistance.php

This programme is designed to meet the needs of professionals who have responsibilities for language testing and evaluation at institutional, regional or national level. It provides you with a solid grounding in language test design, construction and evaluation, and in research design. This ensures that the testing and evaluation policies you create within your own contexts conform to international standards of validity and reliability.

With a three-day orientation seminar to launch the course, a series of ten web-based modules, and a dissertation, it is ideal for part-time learning. It offers maximum opportunity to base your coursework and dissertation on issues and problems within your own educational contexts.

Modules
- Background to Applied Linguistics for Language Testing
- Issues in Language Testing
- Language Test Construction and Evaluation
- Research Methods
- Statistics for Language Testing
Taught programmes (continued)

MA in Teaching English as a Foreign Language (TEFL)

Director of Studies
Dr Jenefer Philp.

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent, in a relevant subject area and less than two years of foreign language teaching experience.

IELTS
6.5 (with at least 6.0 in listening and speaking and at least 6.5 in reading and writing) or equivalent.

Assessment
Coursework and dissertation.

Further information
www.ling.lancs.ac.uk/study/masters/tefl

Lancaster’s programmes in second language learning, testing and teaching are world renowned for excellence. The MA TEFL programme is a perfect introduction for newcomers to the teaching of English as a foreign language, offering a strong practical orientation.

Lancaster’s graduates hold professional teaching positions around the world, and some pursue doctoral studies and a university teaching position. Support for your studies is provided by the non-credit Postgraduate Academic Study Skills module, which runs in terms 1, 2 and 3.

Compulsory modules
- Classroom Language Assessment
- Introduction to Language Teaching
- Research Methods in Linguistics and English Language
- Second Language Acquisition
- Dissertation

Restricted choice modules
- Task-based Language Teaching
- or two from the following:
  - Teaching Languages to Students with Specific Learning Differences
  - Using Corpora in Language Teaching
  - Content Based Instruction
  - Pedagogical Grammar

Free choice modules
20 credits from any other postgraduate modules, including those listed above as restricted choice modules.

Assessment
Coursework and dissertation.

Further information
www.ling.lancs.ac.uk/study/masters/matesol

This programme is designed to coherently cover a broad range of areas, offering experienced practitioners preparation for more responsible positions in language teaching and testing, teacher training, ELT curriculum and materials development, and further research. Many students are now in leading language teaching and policy positions across the world. Support for your studies is provided by the non-credit Postgraduate Academic Study Skills module, which runs in terms 1, 2 and 3.

Compulsory modules
- Language Test Construction and Evaluation
- Second Language Acquisition
- Trends and Issues in Language Teaching Methodology
- Research Methods in Linguistics and English Language
- Dissertation

Restricted choice modules
- Task-based Language Teaching
- or two from the following:
  - Teaching Languages to Students with Specific Learning Differences
  - Using Corpora in Language Teaching
  - Content Based Instruction
  - Pedagogical Grammar

Free choice modules
20 credits from any other postgraduate modules, including those listed above as restricted choice modules.
MA in Teaching English to Speakers of Other Languages (TESOL, by distance)

Director of Studies
Dr Judit Kormos.

Duration
24 months part-time.

Entry requirements
A good second class honours degree, or its equivalent, plus two years full-time teaching experience.

IELTS
6.5 (with at least 6.0 in listening and speaking and at least 6.5 in reading and writing) or equivalent.

Assessment
Coursework and dissertation.

Further information
ling.lancs.ac.uk/study/masters/matesoldistance

This course gives you all the benefits of the excellent Lancaster ELT, without having to leave your work environment. The Distance programme mirrors the on-campus version closely in terms of structure, content and methods of study.

The programme is entirely web based, and allows you to focus both your coursework and dissertation on issues and problems in your own educational context.

Modules are taken in a fixed order and assessed by a variety of assignments, essays, recorded presentations and a dissertation. Lancaster University staff provide excellent supervision and support.

The Chinese University of Hong Kong provides administrative and learning support, and Lancaster staff visit to deliver modules in short, intensive units. The programme comprises six taught modules, an investigative dissertation, and initial support via face-to-face foundation module.

Modules selected from
- Classroom Language Assessment
- Corpus Linguistics and Language Teaching
- Curriculum Design and Teacher Development in Language Education
- English Grammar
- Second Language Acquisition
- Task-based Language Teaching
- Trends and Issues in Language Teaching Methodology
- Research Methods

Module availability varies from year to year.

The Chinese University of Hong Kong based language teachers to take up professionally relevant and practically orientated training alongside their teaching work.

For more information please go to www.lancaster.ac.uk
Politics, Philosophy and Religion

The Department of Politics, Philosophy and Religion (PPR) comprises an internationally renowned body of academic staff and professional researchers with specialist knowledge in, or expertise spanning, each of its three distinctive subject areas.

Lancaster University is one of only two universities in the world to have a PPR Department. This reflects our commitment to the pursuit of excellence within distinct disciplinary fields whilst developing research activities which address contemporary global issues connecting politics, philosophy and religion.

Lancaster is an ideal place to complete PhD research in any of these fields, offering supervision in a vast range of research interests. We have many research groups and initiatives that enhance the postgraduate experience, such as the research clusters in Philosophy of Mind and Psychology.

All disciplines within the Department have excellent links with other departments, leading to jointly offered courses exploring, for example, International Law and Politics. Our excellence is celebrated and the importance of our research in religion is evidenced in both high ratings in research studies and our frequent presence as commentators in the media. We also act as consultants to national and international organisations.

The reputation of the Department together with our focus on international developments means we have a student population from around the world, enhancing the postgraduate experience.

The Department also offers a huge choice of taught Masters courses, all of which are delivered via core modules with a specialist focus, optional modules within the discipline (and sometimes beyond), and a dissertation that is usually linked to the specialism.

Research degrees

MPhil/PhD

Entry requirements
An upper second class honours degree, or its equivalent, and a viable research proposal.

IELTS
6.5 or equivalent.

Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/fass/ppr

Research proposals are welcomed in the Department, and we particularly welcome proposals reflecting the current focus of each branch of the Department or the special interest of any members of our staff.

Politics and International Relations at Lancaster is innovative, interdisciplinary and post-disciplinary. Research proposals reflecting this are especially encouraged from those seeking to undertake MPhil or PhD research degrees.

Within Philosophy our distinctiveness lies in the plurality of approaches to the subject. Our strengths in the areas of philosophy of mind and psychology, political philosophy, post Kantian European philosophy, and applied philosophy and bioethics, mean we can offer a wide range of supervision possibilities.

In Religion our primary focus on religion and spirituality in the contemporary world means we are ideally positioned to contribute to topics of growing concern within the academic discipline of Religious Studies, including the often unexpected changes and developments taking place in connection with religion, spirituality, philosophy, and social and cultural change. We particularly welcome interest in Buddhism, Christianity, Hinduism, and Japanese religions; the social and cultural transformations of contemporary religion and spirituality; sociology of religion; religion and popular culture; modern religious thought and history; new religious movements; women and religion; and methodological issues in the study of religion.

Each discipline has a strong approach to supporting students, whether through reading groups, research methods study classes, opportunities to present and review research projects or links with external presenters. There is good support from the library and a vigorous seminar programme. We enjoy good working relationships with related departments and centres, and joint supervision arrangements are possible.
Research degrees
- MPhil/PhD

Integrated degrees (1+3)
- MRes in International Relations

Taught programmes
Politics
- MA in International Relations
- MA in Politics
- MA in Conflict, Development and Security
- MA in Diplomacy and Foreign Policy
- MA/LLM in Diplomacy and International Law
- MA/LLM in Diplomacy and International Law (by Distance Learning)
- MA in Diplomacy and International Relations (by Distance Learning)
- MA in Diplomacy and Religion
- MA in Conflict Resolution and Peace Studies
- LLM/MA in International Law and International Relations
- MA in Politics and Philosophy
- MA in Religion and Conflict
- MA in Politics, Philosophy and Religion
- MSc in Politics, Philosophy and Management
- PgCert in Politics and International Relations
- PgCert in Political Theology for Peace

Philosophy
- MA in Philosophy
- MA/LLM in Bioethics and Medical Law
- MA in Philosophy and Religion
- MA in Politics and Philosophy
- MA in Politics, Philosophy and Religion
- PgCert in Philosophy

Religion
- MA in Religious Studies
- MA in Diplomacy and Religion
- MA in Religion and Conflict
- MA in Philosophy and Religion
- MA in Politics, Philosophy and Religion
- MA in Quakerism in the Modern World (by Distance Learning)
- PgCert in Quaker Studies (by Distance Learning)
- PgCert in Religious Studies

Head of Department
Dr Patrick Bishop

Postgraduate enquiries
Tel: +44 (0)1524 594262
Email: pprpg@lancaster.ac.uk
www.lancaster.ac.uk/fass/ppr}

Professor Christopher May
Professor of Political Economy

Professor May researches intellectual property rights and the information society. He is currently working with the National Consumer Council to expand their coverage of intellectual property issues, and has recently completed the first independent book length study of the World Intellectual Property Organisation.

No one can ignore intellectual property nowadays and my research examines such issues as why AIDS medicines cost so much, why music downloading is often illegal and how ownership of information disrupts many of the benefits of the Internet for people in Africa.
Our research interests

As a multi- and inter-disciplinary department, Politics, Philosophy and Religion academics have a diverse range of research interests reflected in the modules that we offer in our Masters programmes. These interests fall into the three broad disciplinary groups. As a dynamic department we are always adding new areas so the following is not an exhaustive list.

From Politics our broad research interests include political theory, international relations, development, peace and conflict studies, political economy, diplomacy, public policy and administration, electoral studies and area studies.

From Philosophy our research interests include feminist philosophy and theory, philosophy of science, politics, mind, language, technology, applied ethics, bioethics, moral philosophy, aesthetics, and metaphysics.

From Religion our research interests include sociology of religion; religion and society; religion and modernity; philosophy of religion; postmodernism and theology; continental philosophy, Asian religion, Christian theology, Traditional and contemporary Muslim thought and practice.

Our academics forge links with academics within the Department and across the world. Research collaborations take place with researchers and research partner organisations from UK universities and in Europe, Asia, the United States, Latin America and Australasia.

The Department is home to a research centre for Religion and Society, and the Richardson Institute for Peace and Conflict Studies, and has many informal research clusters including political philosophy, diplomacy, Latin American politics, political economy and globalisation, international relations theory, China, Middle East politics, continental philosophy, friendship, complexity, public policy, security and the environment.

Integrated degrees (1+3)

MRes in International Relations

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent.

IELTS
6.5 or equivalent.

Assessment
Combination of coursework and dissertation.

Further information
www.lancaster.ac.uk/fass/ppr

The MRes in International Relations provides research training in international relations as a social science. It provides you with an understanding of the major theoretical and epistemological debates in the social sciences, and also gives you an introduction to quantitative and qualitative data collection and analysis.

“I felt that Lancaster offered me an exciting challenging religious outlook, which would broaden my education. The rich variety in religion attracted me, because it meant that there was a lot to choose from in terms of modules.”

Alice Gomez, postgraduate Religious Studies
This research training is coupled with, and customised for, research in international relations. It addresses key concepts, methodological and epistemological issues, and data collection and analysis in international relations. The programme mainly consists of compulsory courses but you may take one optional course in the area of your designated thesis topic.

Modules
In most cases all five taught modules are compulsory, although a case can be made with the Postgraduate Director for one of them to be replaced with an optional module.

- Major Approaches to the Study of International Relations
- Theory and Methods
- Introduction to the Philosophy of the Social Sciences
- Qualitative Methods in Social Science
- Advanced Data Analysis and Computing for Social Research

Taught programmes

Politics and International Relations

MA in International Relations

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent. Relevant professional qualifications and experience will also be considered.

IELTS
6.5 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.lancaster.ac.uk/fass/ppr

This is a broad based programme of study for those wishing to gain a thorough grounding in the theory, structure and working of the modern international system. Students take five taught modules each assessed by a 5,000 word essay.

Core modules
- Major Approaches to the Study of International Relations
- Theory and Method in Postgraduate Studies
- Dissertation (20,000 words)

MA in Politics

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent. Relevant professional qualifications and experience will also be considered.

IELTS
6.5 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.lancaster.ac.uk/fass/ppr

This is a flexible programme allowing you to choose a combination of modules (from the domestic to the global) that best suits your background and interests in the broad arena of politics. Students take five modules each assessed by a 5,000 word essay. You will find the module list at the end of the Politics MA course listings.

Core modules
- Theory and Method in Postgraduate Studies
- Dissertation (20,000 words)
MA in Conflict, Development and Security

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent. Relevant professional qualifications and experience will also be considered.

IELTS
6.5 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.lancaster.ac.uk/fass/ppr

This MA is ideal for those considering employment in the field of humanitarian assistance and post conflict reconstruction. It is also relevant to practitioners wishing to study the politics of aid. The programme builds on critical policy research and consultancy that has been completed for a wide range of international organisations.

It addresses the increasing overlap between ‘development’ and ‘security’ and explores the significance of globalisation for the emergence of internal, regionalised and networked forms of conflict and instability.

This analysis will broaden your understanding of the present crisis in global security as you go on to study the recent and current responses in humanitarian, developmental and security terms, particularly the links between aid and politics.

Core modules
- Theorising Security and War
- Theory and Method in Postgraduate Studies
- Dissertation (20,000 words)

MA in Diplomacy and Foreign Policy

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent. Relevant professional qualifications and experience will also be considered.

IELTS
6.5 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.lancaster.ac.uk/fass/ppr

This programme is designed to introduce students to theories, issues and processes connected with diplomacy and foreign policy. The programme is especially relevant to those thinking about or currently working in diplomacy, international NGOs, and international policy and politics.

Distinguished diplomatic and foreign policy practitioners contribute to the programme and student trips are planned to, for example, the Foreign and Commonwealth Office in London, European Union organisations in Brussels and international organisations in Geneva.

Students take five taught modules each assessed by a 5,000 word essay.

Core modules:
- Theory and Concepts in Diplomacy and Foreign Policy
- Issues and Practice in Diplomacy and Foreign Policy
- Theory and Method in Postgraduate Studies
- Dissertation (20,000 words)

MA/LLM in Diplomacy and International Law

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent. Relevant professional qualifications and experience will also be considered.

IELTS
6.5 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.lancaster.ac.uk/fass/ppr

Designed to introduce students to the fields of diplomacy and international law, this programme draws upon modules from both PPR and Law, leading to an LLM or MA depending on selected units. Students take five taught modules each assessed by a 5,000 word essay. Optional modules from Politics follow at the end of the MA listings. See also page 80.

Core modules
- Theory and Concepts in Diplomacy and Foreign Policy
- Issues and Practice in Diplomacy and Foreign Policy
- International Law (from the Law School)
- Dissertation (20,000 words)
MA/LLM in Diplomacy and International Law (by Distance Learning)

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent. Relevant professional qualifications and experience will also be considered.

IELTS
6.5 or equivalent.

Assessment
Coursework (participation in weekly learning activities and a 5,000 word essay) and a dissertation.

Further information
www.lancaster.ac.uk/fass/ppr

Building on the already very successful campus-based programme, this new distance learning course offers convenience and flexibility in terms of study time and location.

Delivered entirely online the programme is designed to introduce students to the fields of diplomacy and international law and leads to a LLM or MA depending on the selected units.

Compulsory modules
- International Law
- Issues and Practice in Diplomacy and Foreign Policy
- Theory and Concepts in Diplomacy and Foreign Policy
- Theory and Methods in Postgraduate Studies

Dissertation module
Students can choose to write a dissertation with PPR or LAW.

Optional modules
International Human Rights Law or Law of International Organisations.

The programme aims to help students to realise their academic potential, by encouraging choice and independence in their studies. Based on the distance learning pedagogical principles, it employs a wide variety of online learning tools to enhance students’ learning experience. Study throughout the whole programme is comprehensively supported through supervised online group discussions, web seminars and individual academic supervision to ensure an engaging and enjoyable distance learning experience.

Core modules
- Theory and Method in Postgraduate Studies
- Dissertation
- Major Approaches to the Study of International Relations
- Theorising Security and War
- Theory and Concepts in Diplomacy and Foreign Policy
- Issues and Practice in Diplomacy and Foreign Policy

MA in Diplomacy and International Relations (by Distance Learning)

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent. Relevant professional qualifications and experience will also be considered.

IELTS
6.5 or equivalent.

Assessment
Coursework (participation in weekly learning activities and a 5,000 word essay) and a dissertation.

Further information
www.lancaster.ac.uk/fass/ppr

This MA programme in Diplomacy and International Relations is designed to introduce students to theories, issues and processes connected with diplomacy, foreign policy and international relations. The programme is especially relevant to those thinking about or currently working in diplomacy, international NGOs, and international policy and politics. Building on our already very successful campus-based programme, this distance learning master course offers convenience and flexibility in terms of study time and location.

This programme is delivered entirely online. It begins in early October, with an online orientation session conducted through a Virtual Learning Environment (VLE) and web conferencing system. This introduces students to course tutors, familiarises students with the requirement of the programme and online learning tools and resources.
Taught programmes (continued)

MA in Diplomacy and Religion

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent. Relevant professional qualifications and experience will also be considered.

IELTS
6.5 or equivalent.

Assessment
Coursework and dissertation.

Further information www.lancaster.ac.uk/fass/ppr

This programme is designed to encourage students to consider the practical processes, ideological dynamics and theoretical dimensions involved in the interface of diplomacy and religion.

The programme is relevant to those thinking about or currently working in diplomacy, international NGOs, and international policy and politics, and core modules are supported by selected modules from a list at the end of the Politics section.

Distinguished diplomatic and foreign policy practitioners directly contribute to elements of the programme. Students may also opt to participate in trips to, for example, the Foreign and Commonwealth Office in London, European Union organisations in Brussels and international organisations in Geneva.

Students take five taught modules each assessed by a 5,000 word essay.

Core modules
- Studying Religion
- Theory and Method in Postgraduate Study
- Dissertation (20,000 words)

Plus:
- Theory and Concepts in Diplomacy and Foreign Policy; or
- Issues and Practice in Diplomacy and Foreign Policy

MA in Conflict Resolution and Peace Studies

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent. Relevant professional qualifications and experience will also be considered.

IELTS
6.5 or equivalent.

Assessment
Coursework and dissertation.

Further information www.lancaster.ac.uk/fass/ppr

This MA programme is designed to critically examine the theoretical and methodological issues surrounding the dynamics of peace and conflict in the contemporary world. The programme engages with the work of leading peace and conflict studies scholars at both conceptual and empirical levels and draws on evidence from a range of recent armed conflicts.

The programme also addresses techniques in conflict resolution such as mediation in order to deepen our understanding and develop practical skills in conflict analysis and uses optional modules from the Politics list to support the core programme.

Students take five taught modules each assessed by a 5,000 word essay.

Core modules
- Conflict Management and Contemporary Conflicts
- Theory and Method in Postgraduate Studies
- Dissertation (20,000 words)

LLM/MA in International Law and International Relations

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent. Relevant professional qualifications and experience will also be considered.

IELTS
6.5 or equivalent.

Assessment
Coursework and dissertation.

Further information www.lancaster.ac.uk/fass/ppr

This degree scheme is taught jointly with the Law School. It offers you the opportunity to study various politico-legal aspects of the international system by means of complementary courses offered by the two departments.

Please see page 62 of the Law School section for more information.

A minimum of two modules must be chosen from each department.

Core modules
- Major Approaches to the Study of International Relations
- International Law (from the Law School)
- Dissertation (20,000 words)

Please see Politics list for module options.
MA in Politics and Philosophy

**Duration**
12 months full-time, 24 months part-time.

**Entry requirements**
An upper second class honours degree, or its equivalent. Relevant professional qualifications and experience will also be considered.

**IELTS**
6.5 or equivalent.

**Assessment**
Coursework and dissertation.

**Further information**
www.lancaster.ac.uk/fass/ppr

This interdisciplinary programme is designed to allow students to undertake sustained and focused study in the disciplines of politics and philosophy. Students take five taught modules each assessed by a 5,000 word essay.

**Core modules**
- Major Approaches to the Study of International Relations
- What is Philosophy? Methods, Aims, Debates
- Theory and Method in Postgraduate Studies
- Dissertation (20,000 words)

---

MA in Religion and Conflict

**Duration**
12 months full-time, 24 months part-time.

**Entry requirements**
An upper second class honours degree, or its equivalent. Relevant professional qualifications and experience will also be considered.

**IELTS**
6.5 or equivalent.

**Assessment**
Combination of coursework and dissertation.

**Further information**
www.lancaster.ac.uk/fass/ppr

This interdisciplinary programme is designed to allow students to undertake sustained and focused study across the disciplines of politics and religion, with particular attention to the topic of conflict. Students take five taught modules each assessed by a 5,000 word essay.

**Core modules**
- Studying Religion
- Theory and Method in Postgraduate Studies
- Dissertation (20,000 words)

**Plus:**
- Conflict Transformation and Resolution; or
- Conflict Management and Contemporary Conflicts

---

MA in Politics, Philosophy and Religion

**Duration**
12 months full-time, 24 months part-time.

**Entry requirements**
An upper second class honours degree, or its equivalent. Relevant professional qualifications and experience will also be considered.

**IELTS**
6.5 or equivalent.

**Assessment**
Coursework and dissertation.

**Further information**
www.lancaster.ac.uk/fass/ppr

This unique multidisciplinary programme is designed to allow students to undertake sustained and focused study across the disciplines of Politics, Philosophy and Religion. It particularly encourages students to explore the interface between these related areas, and allows for the selection of optional modules across the whole department.

Students take five taught modules each assessed by a 5,000 word essay.

**Core modules**
- Major Approaches to the Study of International Relations
- What is Philosophy? Methods, Aims, Debates
- Studying Religion
- Theory and Method in Postgraduate Studies
- Dissertation (20,000 words)

**Plus:**
- Conflict Transformation and Resolution; or
- Conflict Management and Contemporary Conflicts

---

MSc in Politics, Philosophy and Management

Please see entry under Organisation, Work and Technology.

---

**Key fact**
The MA in Conflict Resolution and Peace Studies is connected to the Richardson Institute, the internationally renowned Peace Studies centre established in 1959.

---

For more information please go to www.lancaster.ac.uk
Taught programmes (continued)

PgCert in Politics and International Relations

Duration
12 months full-time, 24 months part-time.

Entry requirements
A good second class degree, or equivalent, in any subject. Relevant professional experience may be considered in lieu of standard qualifications. Students not meeting the standard entry qualifications may be asked to write a 3,000 word essay to demonstrate their academic abilities.

IELTS
6.5 or equivalent.

Assessment
Coursework.

Further information
www.lancaster.ac.uk/fass/ppr

This programme aims to provide you with a secure knowledge of the major theories, concepts and issues relating to Politics and International Relations in a variety of intellectual traditions and historical and contemporary contexts. You will gain a systematic understanding of a range of debates and discussions raised by past and present approaches to the subject. In addition, the PgCert will equip you with the necessary skills appropriate to evaluating, analysing and interpreting both academic and practitioner approaches to Politics and International Relations.

In addition to the core module of Major Approaches to the Study of International Relations you will choose two optional modules from the range available in the Department of Politics, Philosophy and Religion.

PgCertA in Political Theology for Peace

Duration
10 weeks.

Entry Requirements
An honours degree in any subject.

IELTS
6.5 or equivalent.

Assessment
Five thousand word mini-dissertation.

This exciting new Postgraduate Certificate of Achievement in Political Theology for Peace is a single module combining distance learning with an intensive teaching weekend at Lancaster. The ten week course aims to serve peace practitioners already located within the various occupational spheres of society and enables them to investigate contemporary political theology as a context to evaluate and test an innovative, inclusive, reconfiguration of the politics of Jesus known as kenarchy.

Taught Modules in Politics and International Relations:
Choices will be guided by the Masters specialism in many cases, but others allow a free choice from the following list. Modules offered may vary year to year.

- Major Approaches to the Study of International Relations
- Approaches to Peace Studies
- International Organisation and Foreign Policy
- Globalisation, the State and Democracy in the Third World
- US Foreign Policy
- International Political Economy and the ‘Digital Age’
- States, Markets and Globalisation
- The European Union
- Politics and International Relations of the Middle East
- Conflict Transformation and Resolution
- Conflict Management and Contemporary Conflicts
- Comparative Defence Policy
- Security and Modernity
- Globalisation: Its Meanings, Causes and Consequences
- Conflict, International Intervention and Global Governance
- Theorising Security and War
- Political Theory and Modernity: Order, Value and Critique
- Politics and Policy-Making in the UK
- Politics and Policy-Making in Liberal Democracy
- Theories and Concepts in Diplomacy and Foreign Policy
- Issues and Practice in Diplomacy and Foreign Policy
- Social Capital: Making Democracy Work
- Diasporas and Minorities of the Middle East
- International Relations and Politics of South Asia
Philosophy

MA in Philosophy

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent.

IELTS
6.5 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.lancaster.ac.uk/fass/ppr

This is a flexible programme, which builds on its core modules by allowing you to choose from the full range of optional modules offered in the subject area and, where relevant, from across the Department. It is ideal for students preparing for a PhD in Philosophy, or simply seeking to deepen their understanding of the discipline. Optional modules are listed at the end of the taught courses in Philosophy. Students take five taught modules each assessed by a 5,000 word essay.

Core modules
- What is Philosophy? Methods, Aims, Debates
- Theory and Method in Postgraduate Studies
- Dissertation (20,000 words)

MA/LLM in Bioethics and Medical Law

Please see details in Law section.

MA in Philosophy and Religion

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent.

IELTS
6.5 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.lancaster.ac.uk/fass/ppr

This interdisciplinary programme is designed to allow students to undertake sustained and focused study in the disciplines of Philosophy and Religion. It encourages study which relates to the interface of Philosophy and Religion. Students take five taught modules each assessed by a 5,000 word essay. Optional modules are listed at the end of the respective taught courses.

Core modules
- What is Philosophy? Methods, Aims, Debates
- Studying Religion
- Theory and Methods in Postgraduate Studies
- Dissertation (20,000 words)

MA in Politics and Philosophy

Please see the Politics section for information. Optional Courses in Philosophy are shown at the end of the Philosophy course listings.

MA in Politics, Philosophy and Religion

Please see the Politics section for information. Optional Courses in Philosophy are shown at the end of the Philosophy course listings.
Taught programmes (continued)

PgCert in Philosophy

Duration
12 months full-time, 24 months part-time.

Entry requirements
A good second class degree, or equivalent, in any subject. Relevant professional experience may be considered in lieu of standard qualifications. Students not meeting the standard entry qualifications may be asked to write a 3,000 word essay to demonstrate their academic abilities.

IELTS
6.5 or equivalent.

Assessment
Coursework

Further information
www.lancaster.ac.uk/fass/ppr

The PgCert provides you with an opportunity to study at postgraduate level even if you are not initially considering pursuing an entire MA programme. The PgCert can be taken as a standalone qualification, where you can focus on a particular area, or you can progress onto the relevant MA programme.

This programme aims to provide you with a secure knowledge of the major theories, concepts and issues relating to Philosophy in a variety of intellectual traditions and historical and contemporary contexts. You will gain a systematic understanding of a range of debates and discussions raised by past and present approaches to the philosophical reflection. In addition, the PgCert will equip you with the necessary skills appropriate to evaluating, analysing and interpreting both academic and practitioner approaches to Philosophy.

In addition to the core module of What is Philosophy you will choose two optional modules from the range available in the Department of Politics, Philosophy and Religion.

Taught modules in Philosophy:
Choices will be guided by the Masters specialism in many cases, but others allow a free choice from the following list. Modules offered may vary year to year.

- What is Philosophy?
- Philosophy of Mind and Psychology
- Doing Contemporary Philosophy
- Foundations of Bioethics
- Children and Health
- Paternalism, Autonomy and Consent
- Social and Ethical Issues in Human Genetics
- Public Health and Ethical and Legal Issues
- Ethics and Governance
- Issues in Environmental Philosophy
- Existentialism
- Issues in Philosophy of the Sciences
- Issues in Practical Philosophy

Religious Studies

MA in Religious Studies

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent.

IELTS
6.5 or equivalent.

Assessment
Combination of coursework and dissertation.

Further information
www.lancaster.ac.uk/fass/ppr

This is a broad programme for anyone interested in the academic study of religion. Students take five taught modules each assessed by a 5,000 word essay.

Core modules
- Studying Religion
- Theory and Methods in Postgraduate Studies
- Dissertation (20,000 words)

MA in Diplomacy and Religion

Please see entry in Politics section. Religious Studies optional modules listed at end of taught course listings.

MA in Religion and Conflict

Please see entry in Politics section. Religious Studies optional modules listed at end of taught course listings.
MA in Philosophy and Religion
Please see entry in Philosophy section. Religious Studies optional modules listed at end of taught course listings.

MA in Politics, Philosophy and Religion
Please see entry in Politics section. Religious Studies optional modules listed at end of taught course listings.

MA in Quakerism in the Modern World
Duration
12 months.
Entry requirements
An upper second class honours degree, or its equivalent.
IELTS
6.5 or equivalent.
Assessment
A combination of participation in weekly learning activities, essays and a dissertation.
Further information
www.lancaster.ac.uk/fass/ppr

The MA is designed to introduce you to the theories, issues and processes connected with the history, theology and sociology of Quakerism in a global context. It offers training in research methods and includes a module on the theories of international relations to help you better understand the modern global context. The programme is especially relevant if you are interested in Quaker theology and history, the adaptation of religious groups to new social and geographical settings, globalisation and religion, and secularisation and Quakerism in a changing political environment.

Core modules
- Theory and Methods in Postgraduate Studies
- Major Approaches to International Relations
- Quaker Theology in Context
- The Sociology of Contemporary Quakerism
- Quakerism, Peace and Justice
- Dissertation

PgCert in Quaker Studies
Duration
12 months.
Entry requirements
An upper second class honours degree, or its equivalent.
IELTS
6.5 or equivalent.
Assessment
A combination of participation in weekly learning activities and essays.
Further information
www.lancaster.ac.uk/fass/ppr

This new programme is the result of an innovative, interdisciplinary collaboration between the Postgraduate Quaker Study Centre at Woodbrooke, Birmingham and the Department of Politics, Philosophy, and Religion (PPR).

The course is designed to introduce you to the theories, issues and processes connected with the history, theology and sociology of Quakerism in a global context. The programme is especially relevant if you are interested in Quaker theology and history, the adaptation of religious groups to new social and geographical settings, globalisation and religion, and secularisation.

On successful completion, you will have the option of transferring to the MA in Quakerism in the Modern World. Alternatively, the Postgraduate Certificate in Quaker Studies is an excellent way to gain a foundation in the academic study of the Quaker past and present.

Core modules
- Quaker Theology in Context
- The Sociology of Contemporary Quakerism
- Quakerism, Peace and Justice

For more information please go to www.lancaster.ac.uk
Taught programmes (continued)

PgCert in Religious Studies

Duration
12 months full-time, 24 months part-time.

Entry requirements
A good second class degree, or equivalent, in any subject. Relevant professional experience may be considered in lieu of standard qualifications. Students not meeting the standard entry qualifications may be asked to write a 3,000 word essay to demonstrate their academic abilities.

IELTS
6.5 or equivalent.

Assessment
Coursework

Further information
www.lancaster.ac.uk/fass/ppr

The PgCert provides you with an opportunity to study at postgraduate level even if you are not initially considering pursuing an entire MA programme. The PgCert can be taken as a stand alone qualification, where you can focus on a particular area, or you can progress onto the relevant MA programme.

This programme aims to provide you with a secure knowledge of the major theories, concepts and issues relating to Religion in a variety of intellectual traditions and historical and contemporary contexts. You will gain a systematic understanding of a range of debates and discussions raised by past and present religious belief and practice. In addition, the PgCert will equip you with the necessary skills appropriate to evaluating, analysing and interpreting both academic and practitioner approaches to Religion.

In addition to the core module of Studying Religion you will choose two optional modules from the range available in the Department of Politics, Philosophy and Religion.

Taught modules in Religious Studies

Choices will be guided by the Masters specialism in many cases, but others allow a free choice from the following list. Modules offered may vary year to year.

- Studying Religion
- Religion, Popular Culture and Cultural Studies
- Spirit Possession in Contemporary Social Contexts
- Nineteenth Century Religious Thought
- Twentieth Century Religious Thought
- Construction of Gender in Asian Religions
- Classical Islam
- Religion and Psychoanalytic Thought
- Buddhism: State and Society
- Spirituality: Asian Perspectives
- Secularity/Sacrality
- The Qur'an: Hermeneutics and Gender Politics
- Contemporary Issues in South Asian Religions
- Pilgrimage
- World Christianity: Local Issues and Global Processes
- Interrogating Political and Religious Spaces

Professor Christopher Partridge
Professor of Religious Studies

For the past decade much of Professor Partridge’s research has focused on new religions, alternative spiritualities, the re-enchantment of the West, and the spirituality of contemporary popular culture. He co-edits the book series, Studies in Popular Music.

I have a particular interest in the development of research into spirituality and popular music subcultures. My current work focuses on the social and spiritual significance of reggae and dance music.
The Ruskin Library and Research Centre

The experience of studying Ruskin at Lancaster is second to none, with privileged access to the collections for research.

The Ruskin Library and Research Centre actively promotes research on John Ruskin and his circle by carrying out specific research projects resulting in publications and exhibitions, by holding a weekly research seminar and annual public lecture and by organising conferences and colloquia.

The Centre leads the research effort associated with the use of the collections housed in the Ruskin Library and Brantwood, including the editing of unpublished material. The Centre has wide associations with other academic centres, museums and galleries in Britain and overseas.

While studying Ruskin at Lancaster you will benefit from gaining knowledge, skills and experience in handling important written and visual materials which are universally valued, especially in careers in the creative and cultural sector.

We also have a range of online resources:

- www.lancaster.ac.uk/fass/ruskin/empi
- www.lancaster.ac.uk/depts/ruskinlib/eSoV
- www.lancaster.ac.uk/depts/ruskinlib/Pages/Works

Research degrees
- MPhil/PhD
- MA in English Literary Research

Number of postgraduate students
- 2

Research enquiries
Director
Professor Stephen Wildman

Postgraduate enquiries
Research Library and Research Centre
Tel: +44 (0)1524 593589
Fax: 44 (0)1524 593580
Email: ruskin.library@lancaster.ac.uk
www.lancaster.ac.uk/fass/ruskin

For more information please go to www.lancaster.ac.uk
Research degrees

MPhil/PhD

Entry requirements
An upper second class honours degree, or its equivalent and a viable research proposal.

IELTS
6.5 or equivalent.

Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/fass/ruskin

Applications are invited for the degrees (MPhil and PhD) in any area of study relating to John Ruskin and his circle. In addition to individual supervision, you will benefit from the opportunity to attend and present your work to the weekly Ruskin Seminar and publish in our in-house journal the Ruskin Review and Bulletin.

As one of our postgraduate students you will have privileged access to the Ruskin Library and be able to carry out research using a variety of materials from the collection.

MA in English Literary Research

Please also see entry under English and Creative Writing.

The Ruskin Library and Research Centre is particularly interested in applications for MA by Research degrees. Applications would be made via the Department of English and Creative Writing but students would also be members of the Ruskin Library and Research Centre, with full access to the collection. It would suit those wishing to focus on nineteenth century studies, Ruskin and his circle, and those wishing to experience research using an original archive collection.

Our research interests

The research interests of the staff naturally centre on John Ruskin and his own main interests: the writings of friends such as Thomas Carlyle and the Brownings; the art and architecture of the nineteenth century; landscape and cultural travel, especially in continental Europe; European history since the Middle Ages, chiefly as it affected favourite places such as Rouen, Venice and Switzerland; contemporary economic and religious debate; and natural history, notably geology and botany.

There is a wider concern for the principles of related areas of study, such as textual criticism, editing, art historical analysis and curatorship, and for the dissemination of word and image in the digital age.

Key fact

The Ruskin Library offers students and other users an unparalleled collection in an exceptional building. Designed by the architect Sir Richard MacCormac and opened in 1998, it houses the largest single holding of material relating to John Ruskin (1819–1900) and his world. Among more than 4,000 manuscripts are 29 volumes of his diary notebooks, as well as many hundreds of letters, mostly still unpublished.

Ruskin’s extraordinary range of interests – from art, architecture and landscape to geology, botany and economics – offers a wealth of research opportunities. Along with some 400 books from Ruskin’s library is a comprehensive collection of his writings in all significant editions of English, and many other languages. Books about Ruskin run from early commentaries in the 1850s to the latest academic publications, allowing students the rare facility of easy cross-reference.

Ruskin’s output as an artist is represented by over 1,000 drawings and watercolours, all of which connect his published work and his daily life in England and abroad; there is also a substantial collection of Daguerreotypes and other historic photographs.
Centre for Science Studies

The Centre for Science Studies is a vibrant international centre of excellence in Science, Technology and Society (STS).

We engage in interdisciplinary research across the boundaries of science, technology and public policy, including collaboration between specialists in the natural sciences, social sciences and humanities.

Located in the Sociology Department, our staff comprises internationally recognised researchers in STS including Brian Bloomfield, Adrian Mackenzie, Maureen McNeil, Maggie Mort, Celia Roberts, Elizabeth Shove, Vicky Singleton, Lucy Suchman, Richard Tutton, Theo Vurdubakis, Claire Waterton and Brian Wynne, along with a large number of equally renowned scholars from across the University.

We organise a programme of workshops, seminars and reading groups throughout the academic year and convene postgraduate courses informed by our research. We participate in the Economic and Social Research Council (ESRC) North West Doctoral Training Centre (NWDT), through a pathway in Science, Technology, Innovation and Social Practices (STISP). We are also closely affiliated with Lancaster’s Centre for the Study of Environmental Change and the Centre for Gender and Women’s Studies.

STS is an interdisciplinary field drawing together anthropology, cultural studies, history, philosophy and sociology of science and technology. Our aim is to generate critical understanding of the complex interweaving of science and society, nature and culture that informs contemporary technoscience from carbon emissions to the World Wide Web.

We are distinctive in:

- Our strong emphasis on creative theorising as manifest in actor network theory and its aftermath, relations of science and public, cultural studies of science, and feminist and postcolonial science studies;
- Our orientation to qualitative empirical research; and
- Our commitment to constructive interventions in contemporary science and technology practice and policy.

Research degrees
- MPhil/PhD

Number of postgraduate students
- 10

Directors
- Professor Lucy Suchman
- Professor Adrian MacKenzie

Postgraduate enquiries
- Tel: +44 (0)1524 594 178
- Email: spgadmissions@lancaster.ac.uk
- www.lancaster.ac.uk/fass/centres/css
Research degrees

MPhil/PhD

Entry requirements
An upper second class honours degree, or its equivalent, in a relevant subject, including Sociology, Geography, Philosophy, Linguistics, Anthropology, Science or Engineering, and a viable research proposal.

IELTS
7.0 or equivalent.

Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/fass/centres/css

We offer supervision for MPhils or PhDs in all of our areas of expertise regarding cultural imaginaries and material practices of science and technology, including policy analysis, new genetic technologies, environment, health and medicine, and information and communications technologies.

We have worked with organisations such as the NHS; Bovis Construction Group; the Forestry Commission; the Department of the Environment, Transport and the Regions; Friends of the Earth; Unilever; English Nature; and Transport 2000 in recent and past CASE (ESRC) Funding awards.

Our research interests

We specialise in a range of research areas including:

- Computing, design, information and communications technologies
- Organisations, work and technology
- Infrastructures and energy
- Large scale technologies, disasters and crisis management
- Bodies, health and medicine, including reproductive technologies
- Technologies of mobility
- Military technologies
- Policy and public engagement
- Environment, ecology and culture
- Genomics and biotechnology
- Farming, food and human-animal relations
- New reproductive technologies
- Risk and the public understanding of science

For further details visit:
www.lancaster.ac.uk/fass/centres/css/profiles
Social Work

Social Work at Lancaster University is based in the Department of Sociology. It is one of the best places to study social work in the UK and has a very strong record in applied social research in social work, disability studies and social welfare policy.

Throughout social work research and teaching, considerable emphasis is placed on linking theory, research, professional practice and service development.

Social work provides both staff and research students with a collegial and supportive environment for a wide range of research activity. This covers both theoretically innovative work, for example, on the processes of global change and applied policy orientated work with a focus on informing effective social work practice.

The co-operative approach to research which characterises social work at Lancaster means that its staff work across disciplinary boundaries and topic areas. However, the research interests of staff can be divided into the following broad areas of interest:

- Children and young people
- Disability
- Drugs and alcohol
- Critical analysis of social welfare and social policy

In Social Work at Lancaster University we maintain a collegial and supportive environment for wide ranging research activity for research students and staff. There are opportunities to carry out theoretically informed work as well as applied, policy orientated work, all of which are focused on informing social work practice.

Dr Carolyn Taylor
Senior Lecturer in Applied Social Science

Dr Taylor is a member of the Child Welfare Research Unit. She is author (with Sue White) of Practising Reflexivity in Health and Welfare: Making Knowledge (Buckingham Open University 2000).

Research degrees
- PhD in Applied Social Science

Integrated degrees
- MRes in Child Welfare

Taught programmes
- MA/PgDip in Social Work
- MRes in Child Welfare
- PgCert in Child Welfare Practice
- MA/PgDip/PgCert in Advanced Social Work

Number of postgraduate students
60

Director of Social Work
Professor Corinne May-Chahal

Postgraduate enquiries
Tel: +44 (0)1524 594098
Email: socialwork@lancaster.ac.uk
www.lancaster.ac.uk/fass/sociology
Research degrees

PhD in Applied Social Science

Directors of Research Studies
Dr Celia Roberts and Dr Imogen Tyler.

Entry requirements
A Masters degree or an upper second class honours degree, with a viable research proposal. Equivalents are accepted and support is given in completing research proposals.

IELTS
7.0 or equivalent.

Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/fass/sociology

We believe that matching well qualified, able, and enthusiastic PhD and MPhil students with supervisors who have relevant experience, expertise, and research interests, makes a healthy research environment. To this end we design our procedures to give candidates as much information as possible about our research and to allow us to judge a candidate’s ability to undertake research at this level.

Our research record is well established in the fields of drugs, youth offending, disability studies, theories of welfare, gender and sexuality, child and family care, community care and social work. Recent work has been informed by a growing emphasis on issues of equal opportunities, social justice, poverty and social exclusion. We have various joint research projects with other departments and are interested in promoting collaborative research.

We welcome applications from students wishing to undertake their research degree within this unit.

Our research interests

Academic staff in social work play an active role in informing policy formulation by engaging in strategic research partnerships with regional, national, statutory, and third sector organisations, especially concerning social work with children and families, disability, and drugs use. By their very nature such research collaborations are cross-disciplinary and these types of partnerships characterise our distinctive research profile with a number of clusters of research activity:

Children and Young People is a long established research concentration and strength for social work at Lancaster.

Disability Research. Some social work staff members have core roles in the University’s Centre for Disability Research (CeDR) and organise the biennial Disability Studies Conference held here. The conference is internationally respected and makes a significant contribution to the University’s profile and status in Disability Studies.

Drugs and Alcohol Research. Some social work staff members have established a strong regional and national profile of research exploring and analysing emerging drug trends and the relationship between drugs policy, law enforcement models and activities, and user motivations and behaviour. The research has shaped strategic level activities in the region and nationally.

Integrated degrees (1+3)

MRes in Child Welfare

Director of Studies
Dharman Jeyasingham.

Duration
12 months full-time, 24-36 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent but exceptions may be made for candidates with substantial practice experience or other relevant qualifications.

IELTS
6.5 or equivalent.

Assessment
Assignments and dissertation.

Further information
Email: socialwork@lancaster.ac.uk

The course can be taken on a full-time or flexible part-time basis and consists of six taught modules plus a 15,000 word dissertation.

This programme enables you to gain the knowledge and analytical skills needed to enhance child welfare practice. Essential research training will allow you to make better use of agency data, undertake small scale agency based action research, and make informed use of national and international research for best practice.

Given the current emphasis within children’s services on evidence based practice and robust analytic skills, the MRes is ideal for increasing employability. It is also an essential stepping stone for further research at doctoral level for those wanting to work in policy, research or teaching by opening doors to funded PhD places.
Compulsory modules
- Advances in Child Protection
- Social Pedagogy and Child Welfare
- Strengths Based Approaches in Child Welfare
- Quantitative Methods in Social Work Research
- Qualitative Methods in Social Sciences

Optional modules (select one):
- Social Data Analysis
- Analysing Text and Talk

Taught programmes

MA/PgDip in Social Work

Programme Administrator
Tracy Davies.

Duration
MA: 24 months full-time
PgDip: 21 months full-time.

Entry requirements
An upper second class honours degree, or its equivalent and relevant experience.

IELTS
7.0 or equivalent.

Application procedure
Apply via UCAS using course code L508 (www.ucas.ac.uk)

Assessment
Fieldwork placements, coursework, presentations, examinations and dissertation.

This programme, which offers both an academic award and a professional qualification in social work, prepares you for careers in a broad range of social work agencies and settings.

The teaching emphasis is on issues relevant to social work practice in contemporary Britain, and explores the ways in which sociology, law, social policy and psychology inform and enhance professional social work.

Social work staff work in partnership with local stakeholders, including the main statutory and voluntary social work agencies in the North-West, and the programme offers 200 days of placement practice learning (170 days on placement and 30 skills development days in the University).

The social work programme includes a focus upon:
- Policy and Legal Contexts of Social Work
- The Research Minded Practitioner
- Preparation for Practice 1
- Social Work and Adult Social Care
- Social Work with Children and Families
- Social Work with Young People
- Preparation for Practice 2
- Social Divisions and Social Diversity
- Mental Health and Distress
- Social Work and Drug Use

MRes in Child Welfare

Please see entries under integrated degrees (1+3).

Key fact
Study online, and at six one-day workshops, for a PgCert in Child Welfare – great flexibility to study while you work, for students interested in progressing to advanced/senior worker roles.

Key fact
The NHS Business Services Authority offers some bursaries for the MA/PgDip in Social Work. See www.nhsbsa.nhs.uk/students.aspx

The MA/PgDip in Social Work leads to the opportunity to apply to register as a social worker with the Health and Care Professions Council.
Taught programmes (continued)

PgCert in Child Welfare Practice
Director of Studies
Dharman Jeyasingham.

Duration
12 months part-time.

Entry requirements
Undergraduate degree, or significant practical experience.

IELTS
6.5 or equivalent.

Assessment
Assignments.

Further information
Email: socialwork@lancaster.ac.uk

This is a part-time postgraduate certificate that will enable you to enhance both your theoretical knowledge and skills base in child welfare practice. The course will introduce you to the very latest research for practice including child care and safeguarding discussions, new practice skills (especially in emerging technologies), best practice sharing, and knowledge exchange with service users.

Upon successful completion of the certificate you can choose to progress to the Masters in Child Welfare.

Core modules:
- Advances in Child Protection: learning from Serious Case Reviews, common pitfalls in reasoning, investigative work and analysis, models of risk assessment, updates in safeguarding policy.
- Strengths Based Approaches in Child Welfare: principles and practice skills, evidence base, family group conferencing, safety planning, new research.
- Social Pedagogy and Child Welfare: theoretical approaches in social pedagogy, research evidence, reflexivity and relationships in the residential space, developing pedagogic tools with children and young people.

MA/PgDip/PgCert in Advanced Social Work
Director of Studies
Dharman Jeyasingham.

Duration
MA: 24-60 months part-time
PgDip: 24-60 months part-time
PgCert: 12-60 months part-time.

Entry requirements
A lower second class honours degree in social Work or a social science subject or a degree level qualification in a related profession, such as nursing or a Masters degree in Social Work.

IELTS
6.5 or equivalent.

Assessment
Written assignments. A dissertation is required for the MA.

This programme is primarily for social workers who have been working as qualified practitioners for at least a year and who are at the ‘social worker’ and ‘experienced social worker’ levels of the Professional Capabilities Framework. Modules are also open to other professionals who are engaged in complex work in related areas, for example health visitors, nurses, police officers, people working in therapeutic roles and those who have responsibility for commissioning services.

The programme will support you to develop skills in critical analysis and reflection on your practice, to engage with current knowledge and to use knowledge and theory to inform your judgments, decision making and practice more widely.

You can take a single module or study a number of modules over a maximum of five years and accumulate academic credits which can lead to a Postgraduate Certificate, Diploma or MA.

The programme is delivered using a blend of onsite teaching and learning supported by a virtual learning environment. You will carry out work relating directly to your current or recent practice, developing analytical and reflexive skills. There is an emphasis throughout the programme on developing skills in engaging with theory and knowledge to inform practice.

Workshops are timetabled to be accessible for students who are travelling to Lancaster from other parts of the UK.

Modules relating to specific areas of social work practice (optional):
- Advances in child protection
- Strengths based approaches in child welfare
- Social pedagogy in child welfare
- Assessment and decision making in the context of child neglect
- Social approaches to working with voice hearing, unusual beliefs and paranoia
- Personalisation and commissioning
- Critical approaches to safeguarding adults

Modules relating to specialist or complex areas across service areas (optional):
- Professional supervision
- Understanding leadership and management
- Leading and managing people
- Leading others through change
- Working with difference and diversity
- Practice education
Sociology

Lancaster has one of the top Sociology departments in the UK and includes some of the foremost sociologists in Europe.

Ranked 26th in the QS World University Rankings 2014, the Department of Sociology at Lancaster is a research-intensive department that foregrounds critical and active engagement with contemporary real-world problems using diverse theories and innovative methods. As one of the top rated Sociology departments in the UK we pride ourselves on pushing social theory and sociology into new and often post-disciplinary directions.

Postgraduate students are a crucial part of our friendly, cosmopolitan department and are valued as vital contributors to our lively and vibrant research culture which attracts both British and international students. We also offer an exceptionally wide-ranging research student training programme.

Our research is funded from a variety of sources including the Economic and Social Research Council (ESRC), the Engineering and Physical Sciences Research Council (EPSRC), the Arts and Humanities Research Council (AHRC) and the European Commission.

Research degrees
- MPhil/PhD

Integrated degrees (1+3)
- MA in Sociological Research
- MRes in Child Welfare

Taught programmes
- MA in Sociology
- MA in Sociological Research
- MA in Gender and Women's Studies and Sociology
- MA in Media and Cultural Studies
- MA in Environment, Culture and Society
- MA/PgDip/PgCert in Advanced Social Work
- MA/PgDip in Social Work
- PgCert in Child Welfare Practice

Head of Department
Dr Bronislaw Szerszynski

Number of postgraduate students
184

Postgraduate enquiries
Tel: +44 (0)1524 594 178 or +44 (0)1524 593 148
Email: spgadmissions@lancaster.ac.uk
www.lancaster.ac.uk/fass/sociology
Research degrees

MPhil/PhD

Doctoral Director
Dr Celia Roberts and Dr Imogen Tyler.

Entry requirements
An upper second class honours degree, or its equivalent, in a relevant subject and a viable research proposal.

IELTS
7.0 or equivalent.

Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/fass/sociology

We have about 100 research students, making this one of the largest and most successful centres for sociological PhDs in Europe.

We place great emphasis on the importance of the relationship between yourself and your supervisor and welcome applications that match any of our staff interests or those of our research centres.

We ensure that you are assigned a supervisor whose current active research interests and expertise match your chosen topic of research. Close working relations are enjoyed with cognate departments at Lancaster, and in many cases there is joint supervision.

A wide-ranging seminar programme is organised in the Department and includes departmental staff seminars with visiting speakers; weekly postgraduate seminars and research group meetings on science studies, gender, race and class, mobilities research environment and culture, children and young people, disability studies, and drugs and alcohol research, plus various reading groups. You are encouraged to attend relevant MA taught courses.

Our research interests

Lancaster’s Sociology Department is well known for its leading role in developing social theory by applying it to substantive research topics such as gender, media, cultural studies, science and technology studies, environmental change, political economy, social work, disability studies and social welfare policy and doing so in a way which is open to other disciplines.

The Department is also home to a number of leading international research centres in which postgraduate students are fully involved:

Centre for Mobilities Research (CEMORE): the study of ‘mobilities’ is a newly emerging interdisciplinary field in which Lancaster University continues to play a central role. Research has been funded by ESRC, EPSRC, the Department for Transport, the Department of Trade and Industry and the Forestry Commission.

Centre for Science Studies (CSS): please see separate entry on page 87.

Sociology at Lancaster was ranked fifth in the UK by the 2008 Research Assessment Exercise, and is in the top fifty in the world according to the QS World University Rankings, once again confirming our international standing.

Dr Bronislaw Szerszynski, Head of Department
Centre for the Study of Environmental Change (CSEC): CSEC has an established reputation for researching environment and technology issues in a distinctive way, combining qualitative research with social theoretical questions and a critical engagement with public policy.

Social Work at Lancaster: please see separate entry on page 89.

Cultural Political Economy Research Centre: CPERC promotes cultural political economy as a trans- and post-disciplinary research paradigm and as a capacity-building resource for the wider academic community within and beyond Lancaster.

Centre for Gender and Women's Studies (CGWS): please see separate entry on page 50.

Integrated degrees (1+3)

MA in Sociological Research

Director of Studies
Dr Anne-Marie Fortier.

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent, in a relevant social science.

IELTS
7.0 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.lancaster.ac.uk/fass/sociology

This MA provides a rigorous introduction to key issues in social science methodology, expands your proficiency in a range of research skills, and prepares you for further advanced research in the social sciences. It is an ideal stepping stone to a PhD and opens access to ESRC funding programmes.

The course comprises the following modules and a dissertation (working closely with a member of staff).

Compulsory modules

- Research Projects in Practice
- Either Contemporary Debate in Sociological Theory or Science, Technology and Society
- Secondary Data Analysis
- Quantitative Research Methods
- Qualitative Research Methods in the Social Sciences
- Philosophies of Social Science
- Dissertation

Optional modules

Choose one from

- Discourse Analysis
- A substantive sociology module
- Methods Lab

MRes in Child Welfare

Please see entry under Social Work on page 90.
Taught programmes

MA in Sociology

Director of Studies
Dr Anne-Marie Fortier.

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent, in a relevant social science.

IELTS
7.0 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.lancaster.ac.uk/fass/sociology

This interdisciplinary programme addresses both recent key concerns and enduring intellectual traditions within sociology and related social sciences. The core modules ground you in theory, methods and analytical tools, and options allow you to apply them to particular issues. For the dissertation you will conduct independent study with a supervisor, choosing from a range of areas similar in scope to the options offered.

Compulsory modules
- Contemporary Debates in Sociology
- Research Projects in Practice
- Dissertation

Optional modules
Choose three; options may vary from year to year.
- Anthropology of Cybercultures
- Capitalism and Crisis
- Consumer Society
- Critical Debates in Media and Cultural Studies
- Debates in Gender Research
- Ecology, Conservation and Culture
- Environment and Culture: Issues, Politics and Institutions
- Feminist Media and Cultural Theory
- Feminist Technoscience Studies
- Gender and Violence
- Gender, Sex and Bodies
- Mobility, Society and Change
- Policy, Publics and Expertise
- Science, Technology and Society
- Social and Cultural Theory
- Visual and Sensory Culture

MA in Sociological Research

Please see entry under Integrated Degrees (1+3).

MA in Gender and Women’s Studies and Sociology

Please see entry under Gender and Women’s Studies on page 52.
MA in Media and Cultural Studies

Director of Studies
Professor Adrian Mackenzie.

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent, in a relevant social science.

IELTS
7.0 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.lancaster.ac.uk/fass/sociology

This degree provides students with the theoretical and methodological grounding they need to carry out independent research in media and cultural studies.

The course introduces you to the key texts, debates and thinkers in media and cultural studies, ranging from the work of classical cultural theorists through to contemporary writing on new media, globalised culture, science and technology studies, and queer theory.

You will be encouraged to reflect critically on the role of popular media in structuring our everyday lives. The course examines the role of media in reproducing, disseminating and challenging hegemonic power relations, as well as thinking through the ways in which gender, sexuality and ‘race’ are constructed in relation to global media cultures.

This is not a vocational or practice-based degree.

MA in Environment, Culture and Society

Director of Studies
Dr Claire Waterton.

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent, in a relevant social science.

IELTS
7.0 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.lancaster.ac.uk/fass/sociology

This is a degree aimed at those who want to engage critically, practically and creatively with global and local environmental problems. The course brings together insights from social, cultural and environmental theories and approaches. Students can choose from a selection of social and natural science modules offered by the Department of Sociology and Lancaster Environment Centre (LEC).

Compulsory modules
- Environment and Culture
- Researching Environment and Culture
- Dissertation

Optional modules
Choose four; options may vary from year to year.
- Anthropology of Cybercultures
- Capitalism and Crisis
- Climate Change and Society
- Conservation Biology
- Debates in Gender Research
- Environmental Aspects of Renewable Energy
- Environmental Auditing
- Environmental Law
- Environmental Management
- Environmental Toxicology
- Feminist Cultural Theory
- Food Security, Agriculture and Climate Change
- Geoinformatics
- Geological Hazards
- Habitat Management
- International Environmental Law
- International Human Rights Law
- Mobilities
- Modelling Environmental Processes
- Perspectives on Environment and Development
- Policy, Publics and Expertise;
- Science Technology and Society
- Social and Cultural Theory
- The Rights of People
- Wildlife Monitoring Techniques
- Wildlife Population Ecology

MA/Pgdip/PggCert in Advanced Social Work

Please see entry under Social Work on page 92.

MA/Pgdip in Social Work

Please see entry under Social Work on page 91.

PgCert in Child Welfare Practice

Please see entry under Social Work on page 92.
Faculty of Health and Medicine

The Faculty of Health and Medicine comprises Biomedical and Life Sciences, the Centre for Education, Training and Development (CETAD), Health Research, and Lancaster Medical School.

We provide a unique blend of biomedical, medical, and social science expertise, which underpins a portfolio of high quality, innovative and flexible postgraduate programmes. Our programmes provide opportunities for life scientists, social scientists, medically qualified graduates and professionals working in health and medicine to undertake postgraduate study at all stages of their career development.

During the last three years, the Faculty has attracted over £9m in research funding and benefitted from continued investment, including recently refurbished laboratories and equipment in Biomedical and Life Sciences and the Clinical Anatomy Learning Centre (Lancaster Medical School). The Faculty moved into its new location in the refurbished Furness Building in autumn 2012.

Research within the Faculty addresses fundamental issues in health and medicine from curiosity-led investigations generating new knowledge and tools through to developing applied interventions of practical use in everyday life. Major research topics include: end of life care, disability, health inequalities, health economics, mental health, ageing, neurodegenerative diseases, cancer biology, microbiology, parasitology, biostatistics and epidemiology.

Members of the Faculty work collaboratively with colleagues carrying out related research across the University and also have strong external links with NHS partners, health-related industries, government, and the voluntary sector, as well as many multidisciplinary research collaborations worldwide.

The Faculty is undergoing rapid growth and continues to expand its research portfolio. Potential applicants for postgraduate study are therefore strongly advised to consult our website for current information: www.lancaster.ac.uk/fhm

Dean of Faculty
Professor Neil Johnson

Associate Dean for Postgraduate Studies
Professor Christine Milligan

Associate Dean for Research
Professor Roger Pickup

Number of postgraduate students
336 Research
272 Taught

Key fact
In the most recent Research Assessment Exercise (2008), the research of our biomedical scientists was ranked joint first and our health researchers, 13th in the UK.
Divisions
100 Biomedical and Life Sciences
105 CETAD
111 Health Research
118 Lancaster Medical School

For more information please go to www.lancaster.ac.uk
Biomedical and Life Sciences

Research carried out by Biomedical and Life Sciences is of a world class standard and was ranked in the top five percent of its discipline in the 2008 Research Assessment Exercise (RAE).

Postgraduate students benefit from links with many NHS trusts and the division receives financial support from a broad range of grant-awarding bodies including UK Research Councils, the European Commission, charities and industry.

Research within Biomedical and Life Sciences focuses on the study of molecular and cellular aspects of human health and disease, using a range of biochemical and cellular approaches to complement studies in model organisms.

Key areas of research include:

**Ageing and Neurodegenerative Disease**

Progressive degeneration of the nervous system features in many human diseases and can be characterised by impaired movement or cognition. Our research into the underlying processes of healthy ageing is complemented by studying those that lead to brain dysfunction and degeneration in conditions such as Alzheimer’s disease, Parkinson’s disease and hydrocephalus. We also research biochemical and structural techniques to understand cellular function at its fundamental level, particularly: corneal stem cell therapies, proteoglycan structure and function, the developmental genetics of Drosophila, and ex vivo human gut tissue modelling.

**Cancer and DNA Damage**

Our research investigates aspects of the molecular and cellular biology of cancer including: cellular effects of exposure to carcinogens and ultraviolet light, DNA repair mechanisms, cell cycle control, and the molecular events behind leukaemia and colorectal cancer.

**Parasitology and Microbiology**

Our research seeks to develop a better understanding of the cell biology of protozoan parasites and yeast, applicable not only to medical parasitology, but also exploiting micro-organisms as models for understanding human cellular function. We also undertake research into viruses as well as prokaryotic and other eukaryotic micro-organisms.

**Research degrees**

**MPhil/PhD**

**Director of Studies**
Dr Paul McKean.

**Entry requirements**
An upper second class honours degree, or its equivalent, in an appropriate subject.

**IELTS**
At least 6.5 overall (minimum element scores apply).

**Assessment**
Original research and thesis.

**Funding**
Research Councils, Lancaster University and charities.

**Further information**
www.lancaster.ac.uk/fhm/bls

Applications are welcomed for PhD and MPhil degrees in any of our main areas of research.

Postgraduate research students are directly involved in the mainstream research of the Faculty. In addition to receiving specialised training relevant to your research topic and methodology you’ll be encouraged to take part in the graduate training programme. This programme offers a range of more generic courses such as teaching skills, statistical methods, computing and languages. You will also be encouraged to attend and present lectures and posters at conferences overseas and within the UK.
MSc (Research) in Biomedical Science

Director of Studies
Dr Paul McKean.

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent, in Biology, Biochemistry, Molecular Biology or a related subject. Undergraduate MBChB students intercalating between 4th and 5th years of study require a top quartile outcome in MBChB finals.

IELTS
At least 6.5 overall (with no less than 6.0 in each element) or equivalent.

Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/fhm/bls

This degree enables you to gain in-depth knowledge of a particular area of biomedical research while becoming familiar with general and specific research methods and laboratory practice.

The degree format includes nine months of full-time laboratory work as part of an established research group, direct learning of research methods through the graduate training programme, and a three month writing up period, in which you will produce a dissertation. Your dissertation (which is also examined by a viva voce) is the means by which the degree is assessed.

MD Biomedicine

Director of Studies
Dr Paul McKean.

Duration
24 months full-time.

Entry requirements
Applicants must (i) hold a medical or dental qualification recognised by the UK General Medical/Dental Council, (ii) must have held this qualification for at least three years by the date of submission, and (iii) must be employed during their period of registration in appropriate clinical or scientific work in hospitals or institutions (associated with the University) within the local NHS region.

IELTS
At least 6.5 overall (minimum element scores apply).

Assessment
Original research and thesis, viva voce.

Further information
www.lancs.ac.uk/fhm/study/

The Doctor of Medicine degree scheme provides opportunities for clinically qualified candidates to undertake a two year Doctoral level research project at Lancaster.

Our links with the Lancaster Medical School and many NHS trusts provide a wide range of opportunities for medically related research. You will be supervised by a clinical supervisor and a member of academic staff in Biomedical and Life Sciences or the Medical School.

Research degrees
- MPhil/PhD
- MSc (Research) in Biomedical Science
- MD Biomedicine

Taught programmes
- MSc in Biomedicine

Number of postgraduate students
50

Head of Division
Dr Jane Owen-Lynch

Postgraduate enquiries
Postgraduate Director:
Dr Paul McKean
Tel: +44 (0)1524 593936
Email: fhm-pg-admissions@lancaster.ac.uk
www.lancaster.ac.uk/fhm/bls

For more information please go to www.lancaster.ac.uk
**Our research interests**

**Ageing and Neurodegenerative Disease:** our research aims to understand the probable link between protein accumulation and nerve cell damage. We are also working to develop improved methods for the early diagnosis and treatment of these diseases, including the development of biomarkers and protein aggregation inhibitors.

Specific research in Ageing and Neurodegenerative Disease includes:

- Unusual protein deposits that accumulate in the brain in Alzheimer’s disease, Parkinson’s disease, and other neurodegenerative conditions
- The connection between type 2 diabetes and Alzheimer’s and Parkinson’s disease
- The role of copper and the proteolytic processing of certain key proteins involved in the pathogenesis of neurodegenerative disease
- Disorders of brain development, for example hydrocephalus, and the role of cerebrospinal fluid in normal and abnormal development of the brain cortex
- The basic mechanisms that cause ageing and the genetic and environmental factors determining lifespan
- Developing biological markers to monitor healthy ageing and age related diseases
- The role of insulin/IGF-like signalling in central nervous system ageing, with particular emphasis on age related cognitive health and lifespan
- The manipulation of candidate genes to extend healthy lifespan
- Genetic and environmental risk factors for schizophrenia and other psychiatric disorders.

Other projects include:

- The eye and improving treatment for corneal diseases and projects involving the *ex vivo* expansion and transplantation of corneal stem cells for clinical use
- The structure and function of glycoproteins and proteoglycans in order to acquire a greater understanding of proteoglycan involvement in a variety of disease processes including the development of osteoarthritis, neurodegenerative disease and vision impairment
- The dynamics of ageing in the cardiovascular system
- Non-invasive monitoring of blood flow and a detailed understanding of some of the components that contribute to this dynamic process
- The physiology of the gastrointestinal epithelium, including experimental models of how the gut functions in health and disease and how drugs might impact on these functions.

An expanding *Drosophila* group studies the developmental genetics of *Drosophila melanogaster*, with a particular interest in peptide hormone and neuropeptide metabolism
- The role of angiotensin-converting enzyme homologues in spermatogenesis and in sleep regulation.
Cancer and DNA Damage: a particular focus of this research is carcinogenesis induced by UV, ionising radiation and chemicals, and the molecular mechanisms of leukaemogenesis.

Specific staff research projects include:

- The fundamental mechanisms of homologous recombination and base excision repair employed by human cells to repair DNA damage.
- How DNA is replicated in mammalian cells – since failure to regulate this process leads to mutation and chromosome abnormalities associated with cancer.
- The identification of differences between mechanisms regulating DNA replication in cancerous cells and normal tissues, leading to new therapeutic targets.
- Cell cycle control and protein function in model organisms such as yeast and Xenopus cell free egg extract.

Other projects include:

- Cellular and molecular mechanisms of the cannabinoid system in gastrointestinal epithelium and the translational aspects of realising the therapeutic potential of cannabinoids in diseases such as Crohn’s disease, ulcerative colitis and colorectal cancer.
- Understanding the mechanisms of intestinal epithelial cell (IEC) renewal and repair, focusing on the role of suppressor of cytokine signalling 3 (SOCS-3) in controlling IEC homeostasis.
- How bacterial signals may be linked to the dysregulation of IEC repair seen in inflammatory bowel disease and cancer.
- Models of IEC barrier regulation in Drosophila in order to study age related changes in IEC function in vivo.
- The role of ADAMs proteases in relation to cell proliferation and differentiation.

Parasitology and Microbiology: we host an expanding molecular parasitology group within Biomedical and Life Sciences. Particular staff interests include:

- The haemoflagellate parasites responsible for the neglected tropical disease leishmaniasis, their insect vectors and the development of tools to control this spectrum of diseases.
- The interaction between Phlebotomine sand fly vectors and Leishmania parasites.
- The study of the interaction between Wolbachia and malaria vector mosquitos.
- The African trypanosome T. brucei, which is a pathogen of major veterinary and medical importance in Sub-Saharan Africa – and cell division processes in this flagellated protozoan parasite with the aim of identifying new chemotherapeutic approaches for controlling sleeping sickness.

Other projects include:

- The interface between biology and chemistry and how to translate advances in basic biological knowledge into the development of novel drugs against these major pathogens.
- Trypanosomatid parasites and how these organisms modulate metabolic activities in order to complete their complex life cycle within the nutritionally different environments encountered in the mammalian host and the insect vector.
- The role of non-tubercular mycobacteria in human disease and environmental routes through which humans are exposed to these bacterial pathogens – and the role of Mycobacterium avium subspecies paratuberculosis in Crohn’s disease, and possibly in irritable bowel syndrome.
- Interactions between bacteria and protozoa (particularly amoebae).
- The roles of ion transport proteins in fungal cell biology in order to further understand the contribution of plasma membrane ion channel proteins to cell growth and development.
- The bioinformatics analysis of viruses.
**Taught programmes**

**MSc in Biomedicine**

**Director of Studies**
Dr Nigel Fullwood.

**Duration**
12 months full-time.

**Entry requirements**
At least an upper second class honours degree, or its equivalent, in an appropriate subject.

**IELTS**
At least 6.5 overall (minimum element scores apply).

**Assessment**
Combination of coursework, presentations, examinations and dissertation.

**Further information**
www.lancaster.ac.uk/fhm/bls

The MSc in Biomedicine provides you with the opportunity to acquire a greater understanding of practical and theoretical biomedical science at a leading university in this field.

The course provides the knowledge and skills required for subsequent progression to PhD study, a career in biomedical/pharmaceutical research (industry or university based) or hospital-based employment. Our scheme provides focus on, and training within, several ‘hot’ topics in biomedicine, while still retaining elements of flexibility and choice.

**Compulsory modules**
- Research Techniques
- Supervised Research Project (six months)

**Optional modules**
- Emerging Therapeutics in Immunology
- Diseases of the Brain
- Drug Discovery and Development
- Immunology
- Microbes and Disease
- Molecular Basis of Cancer
- Biomedicine in Context

In addition you can choose from a variety of other biomedical modules offered within Biology, Health, Physics and Maths.

**Key fact**

Since 2001, members of the Division have published over 600 peer-reviewed papers and have won competitive research grants from agencies such as UK research councils, EU, The Wellcome Trust and other medical charities, the pharmaceutical industry and various other organisations.
Centre for Education, Training and Development (CETAD)

CETAD is a specialist work based learning centre within the Faculty of Health and Medicine. Since 1990 we have been providing high quality work based learning programmes for public, private and voluntary sectors.

We deliver relevant knowledge and skills that can be applied directly to the workplace and so provide a return on investment for both individuals and organisations. All of our courses are designed and delivered to suit our students’ needs and the needs of their organisation.

The focus is on application of learning at work so our tutors are also practitioners who have work based experience and can relate ‘theory to practice’. Our core values are quality and customer service. We understand the needs of mature experienced learners, who may not have studied for a while, so we provide high levels of individual support and at every stage our ‘students’ are treated as valued customers.

We offer courses in a range of areas including: Professional Development, Medical Education, Medical Leadership, Innovation and Improvement Science, Leadership and Management Development, and Organisational Change. We can award credit for prior learning which provides exemption from some of the modules.

We also offer Negotiated Work Based Learning. This is an exciting and innovative work based route to postgraduate qualifications for experienced professionals. It allows you to build your own programme based on your specific needs and the needs of your organisation. You negotiate your own programme with us and your employer based around projects at work. It is highly customised, relevant and flexible and enables you to: gain academic credits for professional experience, learning and achievement; develop, by building your programme around specific objectives and projects at work; negotiate timescales, target qualifications (Postgraduate Certificate/Diploma, MA/MSc) and ultimately apply postgraduate level learning directly to real work agendas.

Taught programmes
- PgCert/PgDip/MSc in Innovation and Improvement Science
- PgCert/PgDip/MSc in Medical Education
- PgCert/PgDip/MSc in Medical Leadership
- PgCert in Applied Bioscience and Business Management
- PgCert in Business Management with Energy and Fuels from Waste
- PgCert in Organisational Change
- PgCert in Organisational Change (Health Care)
- PgCert in Leadership and Management
- PgCert in Leadership and Management (Health Care)
- PgCert in Professional Development
- PgCert in Professional Practice via Negotiated Work Based Learning
- PgDip in Professional Practice via Negotiated Work Based Learning
- MA/MSc in Professional Practice via Negotiated Work Based Learning

Number of postgraduate students
230

Head of Division
Jane O’Brien

Postgraduate enquiries
Tel: 44 (0)1524 593318
Email: cetad@lancaster.ac.uk

For more information please go to www.lancaster.ac.uk
Taught programmes

PgCert/PgDip/MSc in Innovation and Improvement Science

Director of Studies
Jan Metcalfe.

Entry requirements
Applicants working in health care context. Usually three years work experience (clinical or non-clinical) which allows for the scope to undertake innovation and improvement projects. All applications require employer/stakeholder support. For the PgDip/MA a PgCert in Innovation and Improvement Science is required.

IELTS
At least 6.5 overall (minimum element scores apply).

Assessment
Coursework, including learning contracts, project proposals, reports, reflective commentary, and oral presentation.

Further information
www.lancaster.ac.uk/fhm/cetad

This programme enables you to explore how to make better use of research and innovation to improve ways in which health care is organised and delivered for patient benefit. Improvement Science has a trans-disciplinary curriculum, drawing on knowledge from a wide range of disciplines and sectors, using methods derived from the social sciences and the ‘hard’ sciences in pragmatic ways with a foundation based on concepts of managing change and service improvement.

The programme is work-based, requiring you to identify and implement service improvement projects in your own work context. There are options for Postgraduate Certificate, Diploma and MSc, with progression routes between them. The overall programme is designed to focus on key concepts:

- Improvement science theories and concepts
- Evidence-based approaches and research methods
- Quality improvement and measurement

The Postgraduate Certificate builds on a core module exploring key theories, models, concepts and principles of improvement science. You can choose additional optional modules on areas such as managing change and project management and then undertake a small scale project (which can then be extended at Diploma and MSc Level).

Progression from a Postgraduate Certificate to a Postgraduate Diploma or MSc will enable you to develop further in specialist aspects of improvement science pertinent to your own role and work context through a range of optional modules and the completion of a work-based project.

The Postgraduate Diploma and MSc include:

- Work-based inquiry methods for researching service improvement projects
- Work-based service improvement projects, varying in size and scope depending on the target award

The course directly impacted on my work and as I progressed I could see a difference on a very practical level.

Debbie Atkinson, Centre Manager
**PgCert/PgDip/MSc in Medical Education**

**Director of Studies**
Jan Metcalfe.

**Entry requirements**
Applicants working in roles involved in the education and training of medical and clinical staff. For the PgDip/MA a PgCert in Medical Education or equivalent is required.

**IELTS**
At least 6.5 overall (minimum element scores apply).

**Assessment**
Coursework, including learning contracts, project proposals, reports, reflective commentary, and oral presentation.

**Further information**
www.lancaster.ac.uk/fhm/cetad

This programme has been developed jointly by Lancaster Medical School and the Centre for Education, Training and Development (CETAD) – both divisions within the Faculty of Health and Medicine. It is designed to meet the GMC’s Strategy that all those involved in the development and education of doctors should be competent in the principles of medical education. Whether you directly teach undergraduate student doctors or supervise specialist trainees, this programme will help you to:

- Develop and consolidate your knowledge and understanding of core principles of medical education
- Enhance your skills as a medical educator
- Evidence your competence in line with the Academy of Medical Educator’s learning domains

Progression from a Postgraduate Certificate to a Postgraduate Diploma or MSc will enable you to develop further in specialist aspects of medical education pertinent to your own role and work context through a range of optional modules and the completion of work-based applied medical education projects.

**PgCert/PgDip/MSc in Medical Leadership**

**Director of Studies**
Jan Metcalfe.

**Duration**
12 months part-time.

**Entry requirements**
Qualified doctors holding an MBChB or equivalent. For the PgDip/MA a PgCert in Medical Leadership or equivalent is required.

**IELTS**
At least 6.5 overall (minimum element scores apply).

**Assessment**
Coursework, including learning contracts, project proposals, reports, reflective commentary, and oral presentation.

**Further information**
www.lancaster.ac.uk/fhm/cetad

This programme is designed to develop your knowledge, understanding and skills in line with the Medical Leadership Competency Framework. The course is interactive, participatory and work based requiring just six days attendance alongside on-line learning activities. The programme is structured to encourage personal leadership development and so can benefit doctors at every stage of their career.

The programme is for you if you are interested in improving patient experience and service delivery, demonstrating caring, compassionate and authentic leadership and developing your own leadership capacity in order to achieve and evidence medical and organisational impact.

Participants accommodate the programme alongside their other professional responsibilities. Individual modules are separately recognised and enrolled participants will be able to complete even if they relocate away from the area. Each module requires two separate days’ attendance, as well as associated reading and assignment work.

**Modules**
- Personal Learning and Development
- Understanding Leadership and Management
- Collaborative and Team Working
- Strategic Analysis – What’s Driving Change in your Work Context?
- The Role of Doctors in Health Service Improvement

Plus one optional module.

Students may also make a claim (APL) to gain credits to exempt them from some modules by undertaking the module Recognition and Accreditation of Prior Learning (RAPL).

Progression from a Postgraduate Certificate to a Postgraduate Diploma or an MSc provides a pathway provides a pathway to further enhance your knowledge and understanding about medical leadership. It will also develop management skills in line with GMS’s “Leadership and Management for all Doctors” (2012), through a range of optional modules and work-based applied medical leadership projects.
Taught programmes (continued)

PgCert in Applied Bioscience and Business Management

Director of Studies
Jan Metcalfe.

Duration
12 months part-time.

Entry requirements
Applicants must be working in the Bioscience sector.

IELTS
At least 6.5 overall (minimum element scores apply).

Assessment
Coursework, including learning contracts, project proposals, reports, reflective commentary, and oral presentation.

Further information
www.lancaster.ac.uk/fhm/cetad

This programme offers professional development to those in the Biomedical sector.

Newly qualified graduates in their first year of employment, especially those from a scientific background, may benefit from the more generic modules such as Management and Leadership. In addition, some of the modules may act as ‘conversion courses’ eg a Chemistry graduate may undertake a module in Molecular Biology.

This work based scheme is also suitable for experienced mid-career professionals, including those without a first degree.

Modules are offered in three groups: Bioscience, Business and Management Skills, and Generic Skills. Students must achieve ten credits from Group A and ten credits from Group B. The remaining 40 credits can be accumulated by taking modules from any of the Groups – A, B or C to a total credit value of 60.

The modules chosen should meet the individual's needs as well as the needs as well as the needs of their employer.

Bioscience (Group A)
- Applied Mathematics and Statistics for the Biomedical Sector
- Cell Biology Research Skills
- Diseases of the Brain
- Drug Discovery and Development
- Ethics Research Skills
- Immunology
- Laboratory Practice: Essential Practical Skills and Techniques
- Models of Disease
- Molecular Basis of Cancer
- Molecular Biology Research Skills
- The Biomedical Sector: Regulatory and Ethical Frameworks

Business and Management (Group B)
- Analysing Drivers for Change
- Entrepreneurial Skills
- Leading and Managing People
- Leading Others Through Change
- Leading Projects
- The Biomedical Sector in Context and Emerging Trends
- Leadership and Management
- The Commercial Business Environment – Strategic Perspectives
- Work Based Project (Action Research)

Core Skills (Group C)
- Communication and Presentation Skills
- Creative Thinking and Problem Solving
- Personal Effectiveness and Team Working

PgCert in Business Management with Energy and Fuels from Waste

Director of Studies
Jan Metcalfe.

Duration
12 months.

Entry requirements
You will need work experience in the sector. We do not recognise prior learning and experience; there are no formal entry requirements.

IELTS
At least 6.5 overall (minimum element scores apply).

Assessment
Assessments are based on applying your learning to your work based activities.

Further information
http://www.lancs.ac.uk/fhm/cetad

This programme will allow you to gain a thorough understanding of the waste to energy sector and to become familiar with all relevant UK and EU regulations underpinning waste management, renewable energy generation and biofuels. You will also acquire a comprehensive knowledge of available technologies for fuel production and energy generation from waste and will be equipped to design and implement environmental management systems and environmental monitoring programmes for waste to energy schemes.
You will combine this knowledge and understanding with that of business and people management and will be able to consider how best to develop and deploy staff in order to meet the changing needs of your business alongside developing the teamwork and communication skills necessary to enhance your business collaborations. You will also have the opportunity to select modules from a range of options related to business, management, leadership and energy and therefore tailor your programme to suit your needs.

**PgCert in Organisational Change**

**PgCert in Organisational Change (Health Care)**

**Director of Studies**
Jan Metcalfe.

**Duration**
Part-time with up to 60 months to complete.

**Entry requirements**
Applicants are likely to be in professional or management roles (for the Health Care variant applicants should be working in a health care context) with responsibilities for influencing policy and practice. Usually at least three years work experience.

**IELTS**
At least 6.5 overall (minimum element scores apply).

**Assessment**
Coursework, including learning contracts, project proposals, reports, reflective commentary, and oral presentation.

**Further information**
www.lancaster.ac.uk/fhm/cetad

The duration of this part-time course is flexible as it is offered on a modular basis. The programme is suitable for mid-career professionals responsible for influencing policy and/or practice within their own organisation. The aim is to enhance your understanding of change theories and to increase your ability to apply this knowledge to real work issues.

Progression routes to Postgraduate Diploma and Masters Degree are available via Negotiated Work Based Learning.

The course includes six taught modules:
- Strategic Analysis: What's Driving Change in Your work Context?
- Models for Planning and Managing Change
- Leading Others through Change
- Evaluating Change
- Personal Learning and Development

Plus one optional module.

Students may also make a claim (APL) to gain credits to exempt them from some modules by undertaking the module Recognition and Accreditation of Prior Learning (RAPL).

**PgCert in Leadership and Management**

**PgCert in Leadership and Management (Health Care)**

**Director of Studies**
Jan Metcalfe.

**Duration**
Part time with up to 60 months to complete.

**Entry requirements**
Applicants should be in roles with leadership and management responsibility (for the Health Care variant applicants should be working in a health care context) with usually at least three years work experience.

**IELTS**
At least 6.5 overall (minimum element scores apply).

**Assessment**
Coursework, including learning contracts, project proposals, reports, reflective commentary, and oral presentation.

**Further information**
www.lancaster.ac.uk/fhm/cetad

The duration of this part-time course is flexible as it is offered on a modular basis.

By enhancing your understanding of leadership and management theories and increasing your ability to apply this knowledge to real work issues, the course is suitable for those in management roles with sufficient autonomy and/senior management support and access to resources to undertake projects impacting on your own and others’ professional practice.

Progression routes to Postgraduate Diploma and Masters Degree are available via Negotiated Work Based Learning.

The course includes six taught modules:
- Understanding Leadership and Management
- Leading and Managing People
- Collaborative and Team Working
- Strategic Analysis: What’s Driving Change in Your work Context?
- Personal Learning and Development

Plus one optional module.

Students may also make a claim (APL) to gain credits to exempt them from some modules by undertaking the module Recognition and Accreditation of Prior Learning (RAPL).
Taught programmes
(continued)

PgCert in Professional Development

Director of Studies
Jan Metcalfe.

Duration
Part-time with up to 60 months to complete.

Entry requirements
Demonstration that the modules chosen meet the individual’s needs and the needs of their organisation.

IELTS
At least 6.5 overall (minimum element scores apply).

Assessment
Assessments are based on applying your learning to work based activities so they are highly relevant and useful, and there are no exams.

Further information
www.lancaster.ac.uk/fhm/cetad

This programme enables you to choose modules from a choice of options in line with your professional development needs. Modules are in subject areas such as leadership and management, developing and supporting others and self-development. Modules are ten credits so you will choose six modules in order to achieve the qualification. You can start by undertaking one module and return later to build it into a qualification, or you can enrol for the qualification at the outset. The ‘step-on, step-off’ nature of the qualification means that you can pace your study to suit your own work/life balance.

Each module enables you to learn key concepts, ideas, tools and techniques to apply at work. The modules minimise time off work and provide a mix of face-to-face sessions and interactive web-based learning. Taught by supportive University staff with work based experience, you will also benefit by networking and learning from other professionals. Assessments are work based so are highly relevant and useful.

Progression routes to Postgraduate Diploma and Masters Degree are available via Negotiated Work Based Learning.

PgCert in Professional Practice via Negotiated Work Based Learning

PgDip in Professional Practice via Negotiated Work Based Learning

MA/MSc in Professional Practice via Negotiated Work Based Learning

Further information
www.lancaster.ac.uk/fhm/cetad

This programme comprises four components:
Programme negotiation, recognition and accreditation of prior learning

1. Reflect and review your prior learning
2. Further develop your work based learning and study skills
3. Plan your future development. Agree a postgraduate programme taking account of your personal and professional needs and those of your organisation. This includes specifying any topic modules that you wish to undertake and outlining your work based project
4. If you wish to claim credits for prior learning and experience you can prepare an accreditation of prior learning (APL) claim to be awarded towards a postgraduate qualification

Topic modules
Optional topic modules are available in a range of subject areas including:

1. Leadership and Management
2. Project Management
3. Organisational Change
4. Advanced Skills (communication, creative thinking and problem solving)

Scoping your Project
Equipping you with the knowledge and skills needed to design and carry out your work based investigative project.

Work Based Project(s)
Project modules vary in size depending on the target award, i.e. Postgraduate Certificate, Diploma, or Masters Degree. You produce a work based project and a project report (includes a statement of what the project is about, a rationale and contextualising information, details about the methods used and an analysis of the findings).
Health Research

The Division of Health Research (DHR) conducts, represents and promotes health-related research at Lancaster University and works closely with external individuals and organisations involved in health research, development and implementation.

The Division exists to conduct high quality health-related research at Lancaster. In the most recent Research Assessment Exercise (2008), 95% of the Division’s research was rated as being of international standing. It brings together over 80 academic and research staff whose research covers one or more of the following broad areas: ageing, palliative and end of life care, mental health and organisational well-being, public health, health equity, disability studies and health economics.

Our staff are committed to undertaking a wide range of scholarly, research and education activities that generate new knowledge, services and products in order to meet society’s current and future needs. Our expertise and contribution lies specifically around improved health, well-being and safety for individuals, enhancing the skills of a wide range of people, both lay and professional, in providing services, and their wider environments. This leads more broadly to enhanced human capital either for individuals and/or organisations and services in the public and private sector.

Close links exist with other university departments addressing areas of health research, including: Sociology, Lancaster Environment Centre, Psychology, Linguistics, Management Science, Organisation, Work and Technology and the Centre for Gender and Women’s Studies.

Research degrees
- MPhil/PhD in Health Research

PhD Programmes (Blended Learning)
- PhD in Mental Health
- PhD in Organisational Health and Well-Being
- PhD in Palliative Care
- PhD in Public Health

Professional doctorates
- Doctorate in Clinical Psychology (DClinPsy)

Taught degrees
- PG Dip in Cognitive Behaviour Therapy in Primary Care

Number of postgraduate students
304

Head of Division
Bruce Hollingsworth

Postgraduate enquiries
Director of Postgraduate Research Studies:
Professor Carol Thomas
Tel: +44(0)1524 593936
Email: fhm-pg-admissions@lancaster.ac.uk
www.lancaster.ac.uk/fhm/dhr

DClinPsy enquiries
Email: clinicalpsychology@lancs.ac.uk
Research degrees
MPhil/PhD in Health Research

Director of Postgraduate Research Studies
Professor Carol Thomas.

Entry requirements
Applicants should hold the minimum of an upper second class honours degree, or its equivalent, in an appropriate subject.

IELTS
At least 6.5 overall (minimum element scores apply).

Assessment
Research training modules (if appropriate). Original research and thesis.

Funding
Research Councils (see NWBTC, page 24), Lancaster University, and Charities.

Further information
www.lancaster.ac.uk/fhm/study/doctoral-study/phd/pg-research

Applications are welcomed for PhD and MPhil degrees, full-time or part-time, in any of our main research areas.

As a research student, you will be directly involved in the mainstream research of the Faculty. You will receive specialised research training relevant to your research topic and methodology. You will be encouraged to take part in a range of more generic courses such as teaching skills, statistical methods and computing.

You will also be encouraged to attend and present lectures and posters at conferences both within the UK and overseas; recent students have attended conferences in the USA and Australia as well as mainland Europe.

PhD Programmes
blended learning; coursework and thesis

Programme structure
The following PhD programmes comprise two years of taught modules, delivered predominantly by distance e-learning, alongside one residential visit week per year at Lancaster University.

Years three to five are spent undertaking a research project and thesis (35,000 words) at your own location, with supervision from Lancaster.

PhD in Mental Health

Director of Studies
Dr Alyson Dodd (Years 1 and 2). Professor Katherine Froggatt (Years 3+).

Duration
48-84 months part-time.

Entry requirements
An upper second class honours degree or a good masters degree, in an appropriate subject, and relevant work experience.

IELTS
At least 6.5 overall (minimum element scores apply).

Assessment
Combination of taught modules, original research and thesis.

Further information
www.lancaster.ac.uk/fhm/study/doctoral-study/phd/mental_health

The PhD in Mental Health provides opportunities for professionals working within the field of mental health, in the UK and internationally, to gain a deeper and more critical insight into their practice, whether they are based within healthcare settings, local government, education, research or management.
This programme meets the needs of mental health professionals wishing to enhance their research skills, develop their understanding of theory, policy and practice, and make an original contribution to knowledge development within their field, while at the same time fulfilling their existing responsibilities.

The specialist taught modules include both the theory and practice of mental health (psychological models of psychological disorders, evidence-based interventions and current priorities for mental health).

PhD in Organisational Health and Well-Being

Director of Studies
Dr Alyson Dodd (Years 1 and 2).
Professor Katherine Froggatt (Years 3+).

Duration
48-84 months part-time.

Entry requirements
An upper second class honours degree or a good masters degree, in an appropriate subject, and relevant work experience.

IELTS
At least 6.5 overall (with no less than 6.0 in each element) or equivalent.

Assessment
Combination of taught modules, original research and thesis.

Further information
www.lancaster.ac.uk/fhm/study/doctoral_study/phd/organizational_health_and_wellbeing/

The PhD in Organisational Health and Well-Being is suited to individuals currently working, or aspiring to work, in the area of organisational health and well-being, health and safety and occupational health. The programme develops your knowledge and understanding of the psychological, social and organisational aspects of the dynamic relationship between work and health.

It is aimed at individuals working across public, private and voluntary sectors interested in the promotion and creation of healthy work places including: human resource managers, occupational health practitioners, health care workers, health and safety representatives, applied/organisational psychologists.

The specialist taught modules address the interaction between the work environment and health, organisational change and development.

PhD in Palliative Care

Director of Studies
Dr Alyson Dodd (Years 1 and 2).
Professor Katherine Froggatt (Years 3+).

Duration
48-84 months part-time.

Entry requirements
An upper second class honours degree or a good masters degree, in an appropriate subject, and relevant work experience.

IELTS
At least 6.5 overall (minimum element scores apply).

Assessment
Combination of taught modules, original research and thesis.

Further information
www.lancaster.ac.uk/shm/study/doctoral_study/phd/palliative_care

The PhD in Palliative Care provides opportunities for people working in palliative, hospice and end of life care, in the UK and internationally, to undertake advanced study.

This programme meets the needs of palliative care professionals wishing to enhance their research skills, develop their critical understanding of policy and practice, improve their scholarship, and make an original contribution to knowledge development within their field, while at the same time fulfilling their existing responsibilities.

The specialist taught modules develop an understanding of the development of end of life services and movements in different settings and cultures around the world; the models of care that have been adopted; and the issues involved in assessing the impact of these – individually, socially and societally.
**PhD Programmes**

**blended learning; coursework and thesis (continued)**

**PhD in Public Health**

**Director of Studies**
Dr Paula Holland.

**Duration**
48-84 months part-time.

**Entry requirements**
An upper second class honours degree or a good masters degree, in an appropriate subject, and relevant work experience.

**IELTS**
At least 6.5 overall (minimum element scores apply).

**Assessment**
Combination of taught modules, original research and thesis.

**Further information**
[www.lancaster.ac.uk/shm/study/doctoral_study/phd/public_health](http://www.lancaster.ac.uk/shm/study/doctoral_study/phd/public_health)

The PhD in Public Health provides opportunities for professionals working within the field of public health, in the UK and internationally, to gain a deeper and more critical insight into their practice, whether they are based within healthcare settings, within local government, education, research or management.

This programme meets the needs of public health professionals wishing to enhance their research skills, develop their understanding of policy and practice, and make an original contribution to knowledge development within their field, while at the same time fulfilling their existing responsibilities.

The specialist taught modules include both the theory and practice of public health (health protection, health promotion and policy).

---

**Professional Doctorate**

**Doctorate in Clinical Psychology (DClinPsy)**

**Course Directors**
Dr Anna Daiches (Clinical Director) and Dr Jane Simpson (Research Director).

**Duration**
36 months full-time.

**Application Procedure**
Via the national clearing house ([www.leeds.ac.uk/chpccp](http://www.leeds.ac.uk/chpccp)).

**Entry requirements**
First degree in Psychology, or an equivalent qualification which confers eligibility for Graduate Basis for Chartership (GBC) from the British Psychological Society (at time of application). Applicants must do well in written test assignments before being invited to interview (see website).

**IELTS**
7.0 (or a ToEFL Score of 93) or equivalent.

**Assessment**
Clinical competence, clinical skills assessments, professional issues assignments, systematic literature review, service-related project and thesis. The assessments for the programme are currently under review; please consult our website for the latest information.

---

**Financial support**
Participants are employed as trainee clinical psychologists on a three-year training contract with the Lancashire Care Foundation NHS Trust (conditions of service apply). Placements may involve extensive travelling as a result of the location or the nature of services provided; assistance with travel expenses is provided.

**Further information**
[www.lancaster.ac.uk/fhm/study/doctoral_study/dclinpsy/new](http://www.lancaster.ac.uk/fhm/study/doctoral_study/dclinpsy/new)

Our aim in training is to strike a balance between the interests of the individual trainee, formal professional training requirements, academic requirements appropriate for a doctoral level qualification, and the broader and developing needs of a clinical psychologist within the National Health Service.

**Academic structure**
The formal academic programme is organised on the basis of (at least) one full day teaching per week. In addition, trainees normally receive one full day per week for study and research time. There are nine curriculum strands which run through the three years of the programme: theory to practice, transferable clinician skills, personal development and reflection, physical and cognitive development across the lifespan, critical and community psychology, research, professional issues, assessment and quality assurance.
Clinical structure
Clinical placements are undertaken throughout the three years. Normally, all trainees undertake the same sequence of placements at the same time. It is anticipated that clinical training will start with a placement working with children and families, followed by work with adults, then older adults, and finally people with learning disabilities.

Each of the four placements lasts six months. In the third year, trainees undertake a longer placement of eight to nine months’ duration. Course staff visit each supervisor and trainee during placements to discuss progress.

Assessed work
Over the course of the three years trainees submit the following:
- two professional issues assignments
- two placement presentations and reports
- one systematic literature review

Please note that the assessments are currently under review and may differ for the 2015 intake.

Research
Trainees are required to submit a service-related project and a thesis. The thesis is undertaken throughout the second and third year of training and comprises:
- An ethics committee research proposal
- A literature review, written in academic journal format
- A research paper describing the study, written in academic journal format
- A critical appraisal of the research project

Trainees are encouraged to submit their work to appropriate academic journals and to carry out their research in an area that a member of staff has expertise in.

Development and support
The course uses a number of complementary support systems to facilitate trainees’ personal and professional development. In addition to supervision while on placement (including visits from clinical tutors) and informal peer support, there are bi-annual trainee progress reviews held with each trainee’s research and clinical tutors.

The review process provides an opportunity to discuss progress and your individual training needs. The support scheme also offers continuity of contact with two members of the course team over the three years of training. All trainees are invited to take advantage of a mentor system, in which all mentors are local clinical psychologists. There is also the opportunity to access a limited number of cognitive analytical developmental sessions.
Our research interests

Within Health Research we undertake research in the following areas: ageing and palliative and end of life care, mental health and organisational well-being, public health, health equity, disability studies and health economics.

**Ageing research:** The Centre for Ageing Research is an interdisciplinary centre of social scientists, scientists and biomedics. We work around the broad themes of: older people and new technologies, care of older people, health and their environment, mental health and mental well-being amongst older people, healthy ageing; and understanding normal ageing processes.

**Palliative and end of life care research:** The International Observatory on End of Life Care was established in 2003. As a multidisciplinary team we conduct research on: patient and carer experiences, specifically in marginalised groups such as older people in care homes; symptom management; evaluations of service configurations and models; public and professional engagement.

**Mental health research:** The Spectrum Centre for Mental Health Research was established in February 2008. We conduct research to develop, test, disseminate and implement clinically effective psychosocial interventions for mental health problems. The Centre has a major focus on translational research into psychosocial interventions to improve clinical outcomes for people with bipolar disorder. Other research we undertake focuses on abnormal psychology, emotional and cognitive disorders. Mental health research is also undertaken by staff working on the Doctorate in Clinical Psychology. Research areas include the psychological effects and long term health conditions, therapeutic processes and clinical communication.

**Organisational health and well-being:** we develop research regarding the evidence base of workplace stress and well-being to address how health and well-being contributes to business performance.

**Public health and health equity research:** we focus on health inequalities and equity issues looking specifically at macro-social determinants of health and health inequity. Our research is structured around the following themes: understanding pathways from the wider social determinants of health to health (in)equity; evaluating complex area based interventions, public policies, and natural experiments; evaluating action to promote community/public empowerment; and developing and evaluating methods for effective knowledge exchange with public health policy makers and practitioners.
Taught degrees

PgDip in Cognitive Behaviour Therapy in Primary Care

Director of Studies
Dr Anna Daiches.

Duration
12 months full-time, 24 months part-time.

Entry requirements
A first degree and relevant work experience in a core profession (e.g. social work, nursing or clinical psychology). The programme also accepts KSA students.

IELTS
7.0.

Assessment
A combination of assignments, portfolio of work and practicals.

Further information
www.lancaster.ac.uk/fhm/study/cpd/cbt

Lancaster University has a long history of providing high quality Cognitive Behaviour Therapy (CBT) training for over five years. The programme is fully accredited with the British Association of Behavioural and Cognitive Psychotherapies (BABCP) to enable graduates to apply for accreditation as cognitive behavioural psychotherapists. The programme is based within the Division of Health Research which provides various practice based training including Medicine and the Doctorate in Clinical Psychology.

The programme follows the curriculum developed by the Department of Health guidelines for High Intensity CBT training (DoH, 2008). The training aims to ensure that trainees reach a level of competence that will enable them to obtain the outcomes reported in the relevant NICE guidance.

Practitioners will receive specialist training which focuses on assessing and treating adults with depression and anxiety disorders using evidence based cognitive and behavioural treatment protocols. The programme also provides specialist training on working with post-traumatic stress disorder, substance misuse and ‘trans diagnostic’ work.

The programme is aimed at experienced mental health professionals (e.g. nurses, social workers, psychological wellbeing practitioner etc.) who wish to become competent in CBT for adults.

My experience of undertaking a PhD programme in the Division of Health Research was a pleasant and enjoyable one – but of course a lot of hard work. The work load was however lightened by the invaluable help and support from the staff.

Dr Alfred Banya (PhD)
Lancaster Medical School

Lancaster Medical School staff have a wide range of research interests including epidemiology, medical education as well as social science and biomedical science subjects applied to medicine.

Lancaster Medical School is Britain’s newest medical school. The school offers a vibrant and energetic atmosphere in which to pursue postgraduate research. The energetic and committed staff pursue a wide range of research and can offer supervision and postgraduate teaching in a range of areas, including biomedical sciences, sociology and medical ethics, statistics and epidemiology.

While preserving traditional disciplinary strengths we bring together researchers from different disciplinary backgrounds. Modern approaches to health and medical research typically demand expertise from scientists with depth of knowledge in a specific discipline. They also demand interaction with other specialties. This broadens background understanding and ensures that our work is well targeted and develops transferable teamwork skills. Lancaster University has many areas of strength in research in health and medicine. The Lancaster Medical School acts as a catalyst to promote interactions and to enhance links with the NHS Trusts to develop collaborative and translational research both in the region and more widely.

CHICAS (Combining Health Information, Computation and statistics) is a high profile research group in medical statistics and epidemiology, particularly in geostatistical modelling and analytical methods. Other areas of research focus are: medical education, cancer research, ethics and sociology and diseases of the skeleton.

Research in the Lancaster Medical School is a lively, dynamic and growing aspect of our divisional activity and spans all aspects of medicine. Our current postgraduate students are a vital part of our vibrant research culture and take part in seminars and postgraduate symposia. There is a caring framework for postgraduate training and supervision in the School which is aimed at a high on-time completion rate for studies.

Research degrees

PhD in Medicine

Director of Studies
Dr Thomas Keegan.

Entry requirements
An upper second class honours degree, or its equivalent, in an appropriate subject and an interest in pursuing medical research at advanced level.

IELTS
At least 6.5 overall (minimum element scores apply).

Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/fhm/study and www.lancaster.ac.uk/fhm/med/research

A wide variety of medical and clinically applied research projects can be undertaken with the Lancaster Medical School. We offer a range of opportunities for advanced postgraduate study with experienced supervisors in areas including: statistics, epidemiology, medical education, social studies of science and technology in clinical practice; qualitative methods in health research; cellular responses to DNA damage; musculoskeletal medicine; and degenerative conditions in bone and medical ethics.
**MSc (Research) in Medical Sciences**

**Director of Studies**
Dr Thomas Keegan.

**Duration**
12 months full-time, 24 months part-time. Undergraduate medical students who are intercalating will start on 1st September and submit their thesis by 27th August; other applicants may take advantage of greater timetable flexibility.

**Entry requirements**
Undergraduate medical students intercalating between 4th and 5th years of study require a top quartile outcome in MBChB finals. Other applicants must hold an upper second class honours degree, or its equivalent, in a relevant subject area. Candidates with a lower second class degree may be invited to interview to assess suitability.

**IELTS**
At least 6.5 overall (minimum element scores apply).

**Assessment**
Original research and thesis.

**Further information**
www.lancaster.ac.uk/fhm/med

During the MSc (Research) you will undertake research training, a nine month research project, with a three month write up of your dissertation which will equip you for original work in your professional career and advanced level clinical research positions with the NHS, government and charities.

The course will train you to initiate medical sciences related research projects; to design, conduct and report independent and original research; to understand medical sciences research areas; to critically evaluate relevant literature; to develop problem solving skills; to analyse research data; to communicate effectively the results of research and scholarship; to understand scholarly conventions in the discipline area; and to have respect for intellectual integrity and the ethics of research.

Recent projects include:
- The role of osteoarthritic cytokines in ochronotic arthropathy
- Localisation of the stem cell population in the cornea
- Ethical decision making in organ donation
- How do students’ social networks evolve during their time at medical school?
Research degrees (continued)

PhD Statistics and Epidemiology

Director of Studies
Professor Peter Diggle.

Entry requirements
At least an upper second class honours degree or its equivalent, with a substantial statistical and/or epidemiological component.

IELTS
At least 6.5 overall (minimum element scores apply).

Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/fhm/study/doctoral-study/phd and www.lancaster.ac.uk/fhm/study

CHICAS (www.lancaster.ac.uk/fhm/med/chicas) conducts research on the development of novel statistical and epidemiological methods and their applications. The methodological strengths of staff are in spatial statistics and longitudinal data analysis. The applied research spans a wide range of clinical settings both in the UK and internationally with collaborations in Europe, Africa, North and South America.

Research topics can focus on either methodological development, substantive application, or a blend of the two. Students will be allocated a space in a shared office and will be encouraged to attend and make presentations at scientific meetings both within the UK and overseas.

Doctor of Medicine (MD)

Director of Studies
Dr Thomas Keegan.

Duration
24 months full-time.

Entry requirements
Applicants must (i) hold a medical or dental qualification recognised by the UK General Medical/Dental Council, (ii) must have held this qualification for at least three years by the date of submission, and (iii) must be employed during their period of registration in appropriate clinical or scientific work in hospitals or institutions (associated with the University) within the local NHS region.

IELTS
At least 6.5 overall (minimum element scores apply).

Assessment
Original research and thesis, viva voce.

Further information
www.lancs.ac.uk/shm/study/

The Doctor of Medicine degree scheme provides opportunities for clinically qualified candidates to undertake a two year full-time Doctoral level research project at Lancaster (or part-time pro-rata).

Our links with many NHS trusts provide a wide range of opportunities for medically related research. You will be supervised by a clinical supervisor and a member of academic staff in Biomedical and Life Sciences or the Medical School.
Our research interests

Research in the School spans statistics and epidemiology, social science, medical education and medical science. Research can be undertaken in collaboration with the Divisions of Health Research and Biomedical and Life Sciences, other Lancaster departments, and a range of national and international research partners.

Medical Education: our research interests include: quality assurance in medical education, professionalism in medicine, innovation in medical education and admissions, public health and medical education, and medical education e-learning.

Biostatistics and Epidemiology: our current research topics include:
- Spatial and longitudinal data analysis, environmental and tropical disease epidemiology; e-health research.

Recent projects include:
- Short term forecasting of meningitis epidemics in sub-Saharan Africa
- Health effects on soldiers of taking part in chemical weapons tests
- The risk of childhood cancer from living near high voltage power lines
- The integration of statistical models with geographical information systems for real-time epidemiological applications
- Inference for log-Gaussian Cox processes
- Disease risk-mapping for the African Programme for Onchocerciasis Control (APOC)
- Early detection of incipient kidney failure in primary care patients

Social and Ethical Aspects of Health and Medicine: our research focuses on the cultures of healthcare work and patient safety. Our research studies are influenced by theoretical perspectives such as mobility studies; science and technology studies and feminist technoscience; ethnomethodology; organisational studies; medical sociology, anthropology and ethics.

Methodologically, we specialise in ethnography, documentary analysis, focus groups, and interviews on sensitive subjects with hidden populations.

We invite proposals for postgraduate study in the broad areas of medical sociology, anthropology, and ethics; science, technology and medicine masculinities and health; and organisational aspects of healthcare work.

Recent projects include:
- Quantitative and qualitative methods for research into dementia in Blackburn and Darwen
- Network analysis applied to occupational flu vaccination in the National Health Service workers
- Characterisation of a novel substrate of the ataxia telangiectasia-mutated protein kinase
- Identification of the foreign protein component of immune complexes in rheumatological disease
- Identification of Ubl modification targets required for genome stability and the prevention of cancer

Medical Sciences: our research interests focus on cancer and DNA repair, and musculo-skeletal disease. Using our faculty-wide facilities we are able to carry out research in wide range of subjects in these research fields.
**Taught Programmes**

**PgCert in Clinical Research**

**Duration**
12 months (600 learning hours in total).

**Entry requirements**
First degree in a relevant subject, applicants with relevant professional experience and without a first degree should contact the Course Director.

**IELTS**
At least 6.5 overall (minimum element scores apply).

**Assessment**
Coursework.

**Further information**
www.lancs.ac.uk/fhm/divisions/med/study-with-us

The purpose of the programme is to provide an introduction to the core knowledge and skills that form the foundations of clinical research. It is aimed at doctors, health practitioners and healthcare scientists actively engaged in research or those planning a future career in research. The programme:

- Introduces students to the concept, definition, generation and dissemination of evidence-based clinical research
- Equips health professionals with an in-depth understanding of the skills and processes required to effectively support healthcare innovation across a wide range of health settings
- Draws upon the breadth of interdisciplinary research skills and internationally-recognised research expertise housed within the Faculty of Health and Medicine, complemented by specialist NHS knowledge and experience

Successful completion of the programme will enable professionals to:
- Participate in research projects, new initiatives and related activities to advance local research practice
- Support further development of NHS capability for research
- Integrate and utilise research knowledge to enhance the quality of their professional practice

**Modules**

The programme is delivered through nine face-to-face contact days over one year. Students who wish to extend their level of study may, on completion of the Postgraduate Certificate, progress to registration on the MSc in Clinical Research.

The overall programme comprises three modules (60 credits):
- Essential Tools for Clinical Research
- Governance and Management of Clinical Research
- Applying for Research Funding (to be confirmed)

---

**Dr Laura Machin**

**Lecturer in Medical Ethics**

Broady, my research interests rest within the social and ethical aspects of medicine. I have a particular interest in matters related to reproductive medicine, the donation of body parts, blood and tissue, and patients’ rights. Throughout my research activities, I adopt an applied approach, whereby I consider the policy and practice implications of the topic under study.

My research has tended to be interdisciplinary in nature, drawing on a wide range of literature from medical sociology and ethics, and focused upon accessing hidden populations and interviewing on sensitive subjects. Undertaking research into the social and ethical aspects of health and medicine at Lancaster Medical School means that you will have a wealth of expertise into the cultures of healthcare work and patient safety; issues of learning, knowledge and practice; concepts of autonomy, responsibility and accountability, and use of technology in healthcare practice to draw on from experienced colleagues within the School, and wider University.
MSc in Clinical Research

Duration
Three years minimum, part-time (1800 learning hours in total).

Entry requirements
First degree in a relevant subject.

IELTS
At least 6.5 overall (minimum element scores apply).

Assessment
Coursework and practice-based dissertation.

Further information
www.lancaster.ac.uk/fhm/divisions/med/study-with-us

The MSc in Clinical Research has been designed, in consultation with NHS Partners, to meet the needs of practitioners and staff working in the NHS to ensure its relevance and value to NHS health professionals. The programme builds on the introduction to clinical research in the Postgraduate Certificate, developing and undertaking applied clinical research within an NHS organisational context. The programme:

- Addresses the complete cycle of clinical research, from identifying research questions, and designing and managing research studies, through to translating research findings into professional practice
- Enables health professionals to lead the development, delivery and translation of clinical research, supporting the processes of discovery and innovation at an organisational level
- Draws upon the breadth of interdisciplinary research skills and internationally-recognised research expertise housed within the Faculty of Health and Medicine, complemented by specialist knowledge and practical experience from NHS Partner organisations and research networks

Successful completion of the programme will enable professionals to:
- Lead research projects, innovations and new developments in order to advance local and national evidence-based clinical research practice
- Contribute to organisational development of NHS infrastructural research capability
- Contribute to the translation of research knowledge and skills to inform and develop the quality of evidence-based professional practice

During the MSc you will gain key research knowledge and skills, transferred into practical topics applied within your own professional environment, culminating in a 12 month research project, designed, delivered and submitted as a dissertation. This will prepare you for original work in your professional career and advanced level clinical research positions with the NHS, government, industry and healthcare organisations.

The overall programme comprises eight modules as follows:
- Essential Tools for Clinical Research
- Governance and Management of Clinical Research
- Literature Review
- Principles of Evidence-Based Practice
- Analysing Qualitative Data
- Quantitative Data Analysis
- Practice-based dissertation
- Applying for Research Funding (to be confirmed)

The programme is delivered through blended learning with nine face-to-face contact days over the first year and the remainder undertaken through distance learning. The scheme is modular, with a tiered-exit design providing Postgraduate Certificate and Postgraduate Diploma awards as appropriate for participants who do not complete all modules for the MSc.

During the MSc you will gain key research knowledge and skills, transferred into practical topics applied within your own professional environment, culminating in a 12 month research project, designed, delivered and submitted as a dissertation. This will prepare you for original work in your professional career and advanced level clinical research positions with the NHS, government, industry and healthcare organisations.

The overall programme comprises eight modules as follows:
- Essential Tools for Clinical Research
- Governance and Management of Clinical Research
- Literature Review
- Principles of Evidence-Based Practice
- Analysing Qualitative Data
- Quantitative Data Analysis
- Practice-based dissertation
- Applying for Research Funding (to be confirmed)
Management School
Lancaster University Management School’s (LUMS) research mission is ‘to produce research outputs that are world-class and have high impact’. This long term commitment to research of the highest calibre has encouraged a distinctive and deeply embedded culture, which attracts high quality international faculty members.

We publish in leading peer reviewed journals, play major roles in developing new interdisciplinary research agendas across the academic community, engage with employers across all sectors, and influence national and international policy.

Not surprisingly, LUMS has achieved a 20 year reputation for research of exceptional quality and international standing. As a result, LUMS has been very successful in generating research and project income including grants from: the Economics and Social Research Council (ESRC), Engineering and Physical Sciences Research Council (EPSRC), British Academy, EU, Leverhulme Trust, Department for Education and Skills (DfES), NHS, Operational Research Society, Nuffield Foundation, and a wide range of commercial and industrial sponsors.

LUMS is also one of a very small group of business schools to hold triple accreditation: EQUIS (European Foundation for Management Development), AMBA (Association of MBAs) and AACSB (Association to Advance Collegiate Schools of Business). This signifies excellent educational quality, internationalisation, and a high level of cooperation with the business community. Combined with our ranking in the Financial Times for our MBA, Finance and Management programmes globally and our ‘Programme Partner’ Status with the CFA (Chartered Finance Analyst Institute), you can see why so many choose to come to LUMS.

Dean of Faculty
Professor Sue Cox

Associate Dean for Postgraduate Studies
Professor Mark Shackleton

Director of Doctoral Programmes
Professor Caroline Gattrell

Number of postgraduate students
200 Research
900 Taught

Key fact
Lancaster is in the top four university business schools on most measures of research quality.
Departments

127 Accounting and Finance
133 Economics
137 Graduate Management School, including:
  - E-Business and Innovation
  - Information Technology, Management and Organisational Change (ITMOC)
  - International Business
  - Management
  - The Lancaster MBA (Full-time and Executive mode)

146 Institute for Entrepreneurship and Enterprise Development

150 Lancaster Leadership Centre
152 Management Learning and Leadership
155 Management Science
161 Marketing
164 Organisation, Work and Technology

For more information please go to www.lancaster.ac.uk
Given our exceptional reputation for research and scholarship, LUMS is increasingly focused on graduate and doctoral education. Testament to our commitment to graduate programmes is the establishment of our Graduate Management School, a focus for postgraduate teaching and programme development. It is also the home for our cross-disciplinary postgraduate programmes, which offer students access to the best teaching from all of our departments and benefit from a multidisciplinary approach.

We have over 200 academic staff covering the full range of management subjects; all of them are committed to high quality, innovative teaching. Postgraduate students benefit from the contributions of specialist teaching staff researching at the forefront of their subjects.

We also continue to offer specialist masters programmes and opportunities to conduct research in business relevant fields including: accounting and finance, economics, entrepreneurship, marketing, human resources, operational research, management learning and information technology.

The Graduate Management School encompasses over 1,000 students on 30 different postgraduate programmes. Over 500 are closely associated with one or more departments studying on specialist programmes and more than 200 are engaged in PhD level study.

The large doctoral community benefits from a methodology training programme; access to our portfolio of MRes degrees; an active research culture with a regular programme of informal and formal research seminars; and our role alongside Manchester and Liverpool Universities in the ESRC’s North West Doctoral Training Centre (NWDTC), which brings funding opportunities as well as excellent shared resources.

Our impressive LUMS building provides three high specification lecture theatres and several dedicated group work areas for postgraduate teaching as well as an executive teaching suite and hub where large events take place. Our recently opened Charles Carter Building provides additional teaching and office space for LUMS.

We design and deliver quality development and educational programmes for senior executives and practicing managers. These include The Lancaster MBA and the International Masters in Practicing Management (IMPM) and a range of other programmes supported by organisations including: Airbus, AstraZeneca, BAE Systems, BT, Co-operative Financial Services, Great Places Housing Group, Help the Hospices, the National Housing Federation, SAPA and Batelco.

We also maintain strong links with manufacturing, services and public authorities through collaborative research, in company projects undertaken by our students, post experience teaching and, of course, via the achievements of our alumni.

We have strong international links with top west European business schools and leading researchers in North America, Asia, and Australasia. These links are reinforced by our prestigious IMPM programme, which is taught collaboratively by leading staff at McGill University, Institute of Management (Bangalore, India), Renmin University (Beijing, China), FGV/EBAPE (Rio de Janeiro, Brazil) and Lancaster. In addition, the Lancaster Centre for Management in China and the Lancaster India Centre build on long standing research and teaching links with these countries.

**Key fact**

75% of Lancaster University Management School’s research activity was assessed in the 2008 RAE as world-leading or internationally excellent in terms of originality, significance and rigour. 95% of our research is at least of international standing.
Accounting and Finance

Our Department of Accounting and Finance takes pride in its long established reputation for excellence in both teaching and in research.

Staff in the Department have international reputations, publishing regularly in renowned academic journals and providing advice to professional accounting bodies and the wider industry. Many faculty members also have international teaching experience and have established themselves as academic leaders in their fields of expertise.

We welcome PhD students and offer MRes programmes designed specifically for students who wish to pursue research but are not yet ready to embark on the longer programmes.

Our research resources include access to major databases, including WRDS, CRSP, Compustat, Datastream, LSPD, Thomson One Banker; and high frequency FX, LSE and options prices. The International Centre for Research in Accounting (ICRA) is an independently funded unit which offers support for research. Its location within the LUMS building allows close links to be easily maintained with faculty and student researchers.

We offer a comprehensive and well established portfolio of postgraduate programmes. Taught courses include the MSc in Accounting and Financial Management, the MSc in Finance, and our new MSc in Financial Analysis. We also contribute to the MSc in Money, Banking and Finance and the MSc in Quantitative Finance, both administered by the Department of Economics.

Research degrees
- PhD

Integrated degrees (1+3)
- MRes in Accounting and Financial Management
- MRes in Finance
- MSc/MRes in Money, Banking and Finance

Taught programmes
- MSc in Accounting and Financial Management
- MSc in Finance
- MSc in Financial Analysis
- MSc in Quantitative Finance

Head of Department
Professor Steven Young

Postgraduate enquiries
Tel: +44 (0)1524 593628
Fax: +44 (0)1524 847321
Email: c.holroyd@lancaster.ac.uk
www.lancaster.ac.uk/lums/accounting-and-finance
Research degrees

PhD

Entry requirements
Relevant Masters degree, or equivalent, with distinction/70% or above. In exceptional circumstances, an upper second honours degree with relevant research experience. Graduate Management Admissions Test (GMAT) score often required for non-UK qualifications.

IELTS
7.0 or equivalent (minimum element scores apply).

Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/lums/accounting-and-finance/research

Suitable candidates interested in conducting research in any of our main areas of academic specialisation are invited to apply for the PhD programme.

The degree includes research training, directed study, and a thesis. The first year of the PhD programme consists of eight assessed modules, plus a preliminary research project that will contribute to the final thesis. Progression to years two and three of the programme is contingent on first year performance. The thesis aims to develop researchers for positions as academic teachers and researchers in leading universities, or intellectually and technically demanding roles in business and the public sector.

You will learn specialist skills and develop insights necessary to become productive researchers of international standard, as well as gaining a wide scholarly perspective on finance, accounting and other management areas. We emphasise communication and presentation skills, which are absolutely necessary for effective dissemination of research and teaching.

Lancaster University is a member of the North West Doctoral Training Centre (NWDTC) established by the Economic and Social Research Council (ESRC). As part of this initiative our Accounting and Finance students take research training modules offered by Manchester University on a reciprocal basis. This permits students to take more specialised courses closer to their specific research interests.

Depending on your area of specialism, you are required to take modules in:

- Research Methodology
- Finance Theory
- Accounting Theory
- Quantitative Techniques
- Qualitative Research Methods

Our research interests

The Department consistently ranks in the UK Higher Education Funding Council’s highest research quality category: international excellence.

Our research is currently organised into the following areas:

- Asset Pricing, Capital Markets and Market Microstructure
- Corporate Finance
- Corporate Governance
- Derivatives and Risk Management
- Financial Accounting
- International Finance
- Market based Accounting Research

In accounting, the Department’s core expertise revolves around capital markets research, with particular emphasis on the following four areas: financial statement analysis and valuation, accounting choices and earnings management, financial reporting for banks, and corporate disclosure.

Work by faculty members in these areas has been published in leading international journals including The Accounting Review, Review of Accounting Studies, Accounting, Organisations and Society, Contemporary Accounting Research, Journal of Business Finance and Accounting, Accounting and Business Research, and European Accounting Review.

In addition to these core interests, faculty members also undertake research in other areas including management control and credit ratings.
In finance, the Department is internationally regarded for its expertise in the following areas: theoretical and empirical corporate finance, real options, asset pricing, and financial econometrics. In addition to these core interests, finance faculty members also undertake research in areas such as risk management and housing finance. Faculty members in the finance group publish in leading finance journals including Journal of Finance, Journal of Financial Economics, Review of Financial Studies, Review of Finance, Journal of Corporate Finance, and Journal of Banking and Finance.

Finally, the Department has an international reputation for research on aspects of corporate governance. Research in this area spans accounting and finance, and covers issues including executive compensation, boards of directors, pay out policy, and internal control. Governance related research by faculty members has been published in leading journals including Review of Financial Studies, The Accounting Review, Strategic Management Journal, and Academy of Management Perspectives.

**Integrated degrees (1+3)**

**MRes in Accounting and Financial Management**

**MRes in Finance**

**Programme Director**

Professor Grzegorz Pawlina.

**Duration**

12 months full-time.

**Entry requirements**

An upper second class honours degree, or its equivalent, in Finance, Accounting, Economics or other business related subject. Graduates in non-business areas with strong quantitative backgrounds may also be considered.

**IELTS**

7.0 or equivalent (minimum element scores apply).

**Assessment**

Coursework, examination and dissertation.

**Further information**

www.lancaster.ac.uk/lums/accounting-and-finance/research/mres/

The MRes programmes are for students who wish to progress to PhD either at LUMS or another high quality business school. Each programme is based on the respective MSc (see page 130 for module details), plus additional assessed quantitative research methods modules to prepare for further research. The programmes offer the primary route to registering for PhD in the Department, conditional on achieving predetermined performance levels.

**MSc/MRes in Money, Banking and Finance**

Please see entry under integrated degrees (1+3) in Economics.

**David Zochling**

MSc Accounting and Financial Management

The Management School provided me with a truly unique opportunity to further enrich my horizon both academically and personally. Lancaster is a friendly, amiable place to study with lots of opportunities to meet interesting people from all over the world. Therefore I can only encourage everyone intending to do a Masters degree in the UK to come to Lancaster University.
**Taught Programmes**

**MSc in Accounting and Financial Management**
**Programme Director**
Professor Grzegorz Pawlina.
**Duration**
12 months full-time.
**Entry requirements**
An upper second class honours degree, or its equivalent, in Finance, Accounting, Economics, Business Studies, Mathematics or another quantitative subject.
**IELTS**
7.0 or equivalent (minimum element scores apply).
**Assessment**
Coursework, examination and dissertation.
**Further information**
[www.lancaster.ac.uk/lums/pg-acc-fin/](http://www.lancaster.ac.uk/lums/pg-acc-fin/)

This programme provides advanced study of accounting and financial management. It enables professionally qualified accountants to take stock of what they have learnt, and helps graduates extend their academic training. You will gain the theoretical framework and skills needed to cope with the increasingly complex and global nature of the field.

Many MSc graduates have progressed to senior positions in the accounting profession and industry, including investment banking. Others are now faculty members in universities in the UK and throughout the world.

**Compulsory modules**
- Introduction to Quantitative Methods
- Introduction to Finance
- Introduction to Financial Reporting
- Introduction to Financial Markets
- Quantitative Methods for Finance
- Foundations of Finance
- Principles of Financial Reporting
- Financial Markets

**Optional modules**
Two or three from:
- Financial Statement Analysis
- Financial Reporting for Complex Entities
- Advanced Management Accounting
- Financial Econometrics
- Advanced Investment Management
- Derivatives Pricing
- Behavioural Finance
- Fixed Income Markets
- Advanced Corporate Finance
- Corporate Governance
- Professional Ethics: Standards in Finance and Accounting Practice
- Risk Management in Commercial Banking
- Plus a dissertation in advanced topics in Accounting or Finance.

**MSc in Finance**
**Programme Director**
Professor Grzegorz Pawlina.
**Duration**
12 months full-time.
**Entry requirements**
An upper second class honours degree, or its equivalent, in Finance, Accounting, Economics or other business related subject. Graduates in non-business areas with strong quantitative elements may also be considered.
**IELTS**
7.0 or equivalent (minimum element scores apply).
**Assessment**
Coursework, examination and dissertation.
**Further information**
[www.lancaster.ac.uk/lums/finance](http://www.lancaster.ac.uk/lums/finance)

This programme provides advanced study of finance and is particularly suitable for graduates in quantitative subjects who wish to prepare for careers in the financial sector. We welcome graduates from a wide range of disciplines who want to consolidate their understanding of finance. Many MSc graduates are now employed in banks and financial institutions in the UK and worldwide. Others have entered careers in higher education and research.
Compulsory modules
- Introduction to Quantitative Methods
- Introduction to Finance
- Introduction to Accounting
- Introduction to Financial Markets
- Quantitative Methods for Finance
- Foundations of Finance
- Principles of Financial Reporting
- Financial Markets

Optional modules (a total of four)
At least two from:
- Financial Econometrics
- Advanced Corporate Finance
- Advanced Investment Management
- Fixed Income Markets

Plus up to two from:
- Financial Statement Analysis
- Financial Reporting for Complex Entities
- Advanced Management Accounting
- Derivatives Pricing
- Behavioural Finance
- Corporate Governance
- Professional Ethics: Standards in Finance and Accounting Practice
- Risk Management in Commercial Banking

Plus a dissertation in advanced topics in Accounting or Finance.

MSc in Financial Analysis
Programme Director
Professor Grzegorz Pawlina.

Duration
12 months full-time.

Entry requirements
First class honours or equivalent degree in any quantitative field (including Engineering and Computing).

IELTS
7.0 or equivalent (minimum element scores apply).

Assessment
Coursework, examination and dissertation.

Further information
www.lancaster.ac.uk/lums/financial-analysis

The MSc in Financial Analysis is a unique one year full-time Masters degree, which is designed for students who wish to study for the prestigious Chartered Financial Analyst (CFA) Level I qualification.

In addition to teaching from Lancaster’s world renowned Department, the MSc offers intensive, integrated tutoring and support from global financial services training provider Fitch Learning for the CFA Level I examination, plus a CFA focused dissertation.
Taught programmes
(continued)

MRes in Accounting and Financial Management
Please see entry under Integrated Degrees (1+3).

MRes in Finance
Please see entry under Integrated Degrees (1+3).

MSc/MRes in Money, Banking and Finance
Please see entry under Integrated Degrees (1+3) in Economics.

MSc in Quantitative Finance
Programme Director
Dr Sandra Nolte.

Duration
12 months full-time.

Entry requirements
An upper second class honours degree, or its equivalent in a numerate subject (for example Physics, Mathematics, Statistics or Management Science); familiarity at undergraduate level with topics such as probability and statistics, calculus and linear algebra is essential.

IELTS
7.0 or equivalent (minimum element scores apply).

Assessment
Coursework, reports and examination plus dissertation.

Further information
www.lancaster.ac.uk/lums/qf

LUMS and the Faculty of Science and Technology collaboratively deliver this interdisciplinary programme. It offers graduates with quantitative degrees a route into careers in the areas of banking or finance.

On this programme you will acquire and apply advanced analytical and technical skills to the analysis of risk and return in a range of financial institutions and corporations. There is a strong focus on computer-based financial information within the core courses, and the opportunity to specialise in particular interests through the optional modules.

Compulsory modules
- Financial Stochastic Processes
- Statistical Methods for Financial and Economic Applications
- C++ Programming for Quantitative Finance
- Spreadsheet Modelling for Quantitative Finance
- Financial Markets
- Optimisation
- Derivatives Pricing
- Economics for Money, Banking and Finance

Your dissertation topic can be chosen from any of: Accounting and Finance; Economics; Management Science; or Mathematics and Statistics.

Optional modules
(Choose three)
- Assessing Financial Risk: Extreme Value Methods
- Forecasting
- Financial Econometrics
- International Money and Finance
- International Banking and Risk Management
- Behavioural Finance
- Data Mining for Marketing, Sales and Finance
- Professional Ethics: Standards in Finance and Accounting
Economics

The Department of Economics has an established tradition of research and teaching over a wide range of specialisms. Our affiliation with one of the top management schools in the UK provides us with an excellent working environment.

PhD (and MPhil) study can be undertaken in any area where the Department has expertise. The Department has an international research reputation in three main areas: the economics of labour, health and education; industrial organisation and microeconomic theory; and macroeconomics, international economics and financial markets.

Members of the Department have received substantial research funding from a range of sources and they have served as advisers and consultants to national and international agencies.

Investment in IT resources, an active research seminar series, and participation in international conferences all serve to provide a strong research culture. Moreover, we belong to a regional collaboration in postgraduate training that allows our students to access high level training at Manchester and Liverpool universities (www.nwdtc.ac.uk).

The quality of our programmes has helped launch our graduates into roles within multinational businesses, financial institutions, government departments, international agencies, consultancies, research centres and universities.

Our postgraduate taught programmes consist of the MSc/MRes in Money Banking and Finance and the MSc in Economics. You should consult our website for details of our programmes. www.lancaster.ac.uk/lums/economics/masters/

Research degrees
- MPhil/PhD Programmes

Integrated degrees (1+3)
- MSc/MRes in Money, Banking and Finance

Taught programmes
- MSc in Economics

Head of Department
Professor Ian Walker

Postgraduate enquiries
Tel: +44(0)1524 510733
Fax: +44(0)1524 510739
Email: gms@lancaster.ac.uk
www.lancaster.ac.uk/lums/economics/
Research degrees

MPhil/PhD

Doctoral Director
Professor David Peel.

Entry requirements
Normally the MRes in Money, Banking and Finance, or a Masters degree in Economics plus a viable research proposal. Overseas applicants may be required to take the Graduate Record Examination (GRE) or Graduate Management Admissions Test (GMAT).

IELTS
7.0 or equivalent (minimum element scores apply).

Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/lums/economics/research/

The Department forms part of the ESRC funded North West Doctoral Training Centre (NWDTTC), the largest centre for PhD training in England, and provides wide access to advanced post MSc training courses in order to ensure that PhD graduates are competitive in the international job market.

A range of funding opportunities, in the form of scholarships, studentships and bursaries, are available to help you finance your PhD study. For most scholarships, applications should be made no later than the end of February. It is important that students interested in applying for a PhD scholarship work closely with staff in developing their research proposal. There are also opportunities for PhD students to provide some teaching input into the undergraduate programme.

We welcome proposals relating to any of our key research areas. Our staff work in three main groupings: the economics of labour, health and education; industrial organisation and microeconomic theory; and, macroeconomics, international economics and financial markets.

Our research interests

The Economics of Labour, Health and Education: this group focuses on analysis, both empirical and theoretical, in four major areas – the operation of the labour market; the performance of the education sector and the impact of education and training on labour market outcomes; the comparative analysis of labour market policies in a variety of European countries; and the analysis of health especially the relationship between health and the labour market. There is a strong policy focus to the research of this group. Students with a research interest in labour and/or health in developing countries are welcome.

Bodies such as the Economic and Social Research Council, and the Nuffield and Leverhulme Foundations have funded much of the research work in these areas.

Industrial Organisation and Microeconomic Theory: this is a group that works mainly with applications of game theory in a range of situations and its work includes both applied theory and empirical research in such areas as auctions, procurement contracts, environmental economics, natural resource economics, regulation, advertising, behavioural economics and gambling.

Macroeconomics, International Economics and Financial Markets: this is a large group of researchers whose interests are both empirical and theoretical. They have a particular interest in behavioural aspects of financial markets, exchange rate determination, monetary policy, business cycles, capital flows and financial markets, volatility modelling, and forecasting.

The intellectual atmosphere, the approachable staff, the well-designed training structure and the thorough support from both the Department and LUMS have made my studies at Lancaster a rewarding and enjoyable experience.

Anwen Zhang, PhD student
Integrated degrees (1+3)

MSc/MRes in Money, Banking and Finance

Programme Director
Dr Kim Kaivanto.

Duration
12 months full-time.

Entry requirements
An upper second class honours degree, or its equivalent, the degree must either be in Economics, Finance or a relevant related subject which has included a significant component of Economics and quantitative techniques.

IELTS
7.0 or equivalent (minimum element scores apply).

Assessment
Coursework, examination and dissertation (research proposal for the MRes).

Further information
www.lancaster.ac.uk/lums/mbf/

This programme is designed to equip you with the skills, knowledge and technical capabilities to enter careers in the banking and financial sectors, as well as consultancy, and higher education.

You will benefit from being taught by a mix of prominent academics and professionals in the field, with small group sizes and high quality one to one support from supervisors with relevant interests. With lectures and discussions supported by group work, presentations, statistical computer labs and case studies, you will gain an understanding of key issues related to the areas of monetary economics, the banking industry and financial markets.

This MRes programme is ideal preparation for a PhD.

Compulsory modules
- Topics in Economics
- Applied Econometrics
- Foundations of Finance
- Financial Markets and Securities
- Economics for Money, Banking and Finance
- International Banking and Risk Management
- Dissertation (MSc) or Detailed Research Proposal (MRes)

Optional modules
(Choose two):
- Islamic Banking
- International Money and Finance
- Behavioural Finance
- Advanced Corporate Finance
- Advanced Investment Finance
- Financial Statement Analysis
- Financial Econometrics
Taught programmes

MSc in Economics

Director of Studies
Dr Colin Green.

Duration
12 months full-time.

Entry requirements
An upper second class honours degree, at least 50% of which must be in Economics and include a quantitative component.

IELTS
7.0 or equivalent (minimum element scores apply).

Assessment
Examination and coursework for each of the eight programme modules, plus dissertation.

Further information
www.lancaster.ac.uk/lums/econ

The MSc in Economics is designed to equip you with the necessary tools to pursue an analytical career in economics and access opportunities in consulting companies, research centres, government departments, international agencies, or in the financial sector. It is also excellent preparation for a PhD programme, at Lancaster or elsewhere.

It is a demanding programme that requires high standards of prior training, excellent skills in numeracy and literacy, effective study skills, the maturity to be an independent learner, and a strong commitment to succeed. The programme provides a comprehensive coverage of microeconomics, macroeconomics, advanced quantitative methods and in depth analysis in four elective fields from a range of options available.

The programme is delivered by highly-experienced and prominent academics who keep the material at the forefront of economic theory, policy and practice. Many of the teaching staff are heavily engaged in practical economic policy analysis; all work at the cutting-edge of economics research.

Compulsory modules
- Microeconomics
- Macroeconomics
- Econometrics
- Research Skills
- Dissertation

Optional modules
(Choose four)
- Public Economics and Political Economy
- Labour Economics
- Industrial Organisation
- Financial Economics
- International Banking and Risk Management
- Behavioural Finance

MSc/MRes in Money, Banking and Finance

Please see entry under Integrated Degrees (1+3).

Professor Ian Walker
Head of Department

Economics research at Lancaster is at the cutting edge in a variety of areas. Our research figures strongly in some of the core areas of economics – macro, labour, education, etc. But there is a wide spread of interests and we have strengths in some less conventional areas of economics – like gambling, addiction, and the economics of sports. We also have interests in the application of behavioural ideas to several areas.
Graduate Management School

This is a virtual department which acts as an umbrella for those programmes which do not sit within a specific subject area, or which draw from the excellent interdisciplinary faculty members from across our departments.

All LUMS students are part of the Graduate Management School.

Here you can find information about research opportunities in management in the broadest sense – specialising in access to interdisciplinary doctoral research. This section also covers details of our International Business Masters, which takes a global perspective, and, of course, the prestigious Lancaster MBA.

You will also find information on our redesigned MSc in Management which maximises students’ academic, personal and professional development. We offer a firm foundation in key business and management areas but also the opportunity to undertake pathways to allow students to focus on their particular interest. The pathways include management, strategic management, marketing and project management.

Finally you will find details of our Masters programmes which focus on the importance of technology including programmes focusing specifically on E-Business and innovation, and information technology, management and organisational change.

Research degrees
- PhD in Management

Integrated degrees (1+3)
- MRes in Information Technology, Management and Organisational Change (ITMOC)
- MRes in International Business

Taught programmes
- MSc/PgDip in E-Business and Innovation
- MSc/PgDip in Information Technology, Management and Organisational Change (ITMOC)
- MSc/PgDip in International Business
- MSc in Management (with pathways in Strategic Management and Project Management)
- The Lancaster MBA
  - Full-time mode
  - Executive mode

General enquiries
Tel: +44 (0)1524 510733
Fax: +44 (0)1524 510739
Email: gms@lancaster.ac.uk

Postgraduate enquiries
Tel: +44 (0)1524 510667
Fax: +44 (0)1524 510739
Email: lums-phd@lancaster.ac.uk

For more information please go to www.lancaster.ac.uk
Research degrees
Lancaster University forms part of the ESRC’s North West Doctoral Training Centre (NWDTC) together with Manchester and Liverpool Universities. A number of studentships, covering tuition and maintenance are available for those wishing to study in areas covered by the ESRC at Lancaster, Liverpool or Manchester. LUMS has pathways recognised by the ESRC in Accounting and Finance, Economics, Business and Management. LUMS also forms part of the HighWire and STOR-i doctoral training centres. All full-time PhD students are required to undertake 60 credits of compulsory research training in their first year of study.

PhD in Management
Entry requirements
A Masters degree in a related discipline, with at least 65% overall and 65% in the dissertation, or equivalent.
IELTS
7.0 or equivalent (minimum element scores apply).
Assessment
Original research and thesis.
Further information
www.lums.lancs.ac.uk/PhD

Integrated degrees (1+3)

MRes in Information Technology, Management and Organisational Change (ITMOC)
Programme Director
Dr Martin Brigham.
Duration
12 months full-time.
Entry requirements
An upper second class honours degree, or its equivalent.
IELTS
7.0 or equivalent (minimum element scores apply).
Assessment
Coursework and research plan.
Further information
www.lancaster.ac.uk/lums/study/masters/programmes/mres/itmoc/
The MRes variant of the programme is intended for those planning for a PhD and includes additional assessed quantitative and qualitative research methods modules.
It also replaces the standard summer dissertation with a research plan of at least 10,000 words. If you achieve the minimum required standard you will be allowed to register as a PhD student in the following year providing a suitable supervisor can be identified.

MRes in International Business
Programme Director
Dr Martin Friesl.
Duration
12 months full-time.
Entry requirements
A business related upper second class honours degree or equivalent, with evidence of good results in units relating to economics and statistics or quantitative methods.
IELTS
7.0 or equivalent (minimum element scores apply).
Assessment
Coursework, group work, examination and dissertation/research plan.
Further information
www.lancaster.ac.uk/lums/study/masters/programmes/mres/international-business/
The MRes variant of this degree programme is intended for those planning for a PhD and includes additional assessed quantitative and qualitative research methods modules.
Taught programmes

MSc/PgDip in E-Business and Innovation

Programme Director
Dr Casey Wilson.

Duration
12 months full-time (MSc),
9 months full-time (PgDip).

Entry requirements
An upper second class honours degree, or its equivalent. Work experience welcomed but not essential.

IELTS
7.0 or equivalent (minimum element scores apply).

Assessment
Coursework, group work, exams and dissertation (MSc).

Further information
www.lancaster.ac.uk/lums/ebin

The Masters in E-Business and Innovation (EBIN) is a unique, multidisciplinary programme designed for ambitious graduates wanting to acquire the skills and knowledge needed to shape the innovation in e-business and e-commerce brought about by Internet, mobile, and multimedia technologies.

Theory and practice are tightly interwoven, via case studies and real-world projects and through our partnership with IBM and other leading companies. Industry professionals contribute to the delivery, together with faculty experts from the Management School and the School of Computing.

MSc students undertake a dissertation which will be a ten week consultancy based project and provides the opportunity to help an organisation to solve a real world business or technology problem.

The programme equips you with the skills and knowledge to enable you to reshape organisational strategies and industrial practices, by exploiting the opportunities provided by the Internet and mobile and multimedia technologies. EBIN graduates go on to become business or ICT professionals in private or public-sector organisations, managers in new or emerging firms which require entrepreneurial skills, or project managers for existing technology and service providers.

Bridging modules
(To fill knowledge gaps, dependent on student)
- Introduction to ICT
- Management in Context

Compulsory modules
- E-Marketing
- E-Business
- Innovation
- Managing IT Architecture (IBM)
- Information Management and Strategy
- Business Planning and Finance
- Technology for E-Business
- Research Methods
- Business Analysis and Enterprise Systems

Optional modules
Route A – Management (all three)
- Strategic Sourcing
- Managing Complexity
- Managing and Learning in Project Environments

Route B – Advanced Computing (any two)
- Network and System Security
- Digital Innovation
- Information System Forensic Investigation
- Information System Risk Management
Management School – Graduate Management School

**Taught programmes (continued)**

**MSc/PgDip in Information Technology, Management and Organisational Change (ITMOC)**

**Programme Director**
Dr Martin Brigham.

**Duration**
12 months full-time (MSc), 9 months full-time (PgDip).

**Entry requirements**
An upper second class honours degree, or its equivalent. Work experience preferred, not essential.

**IELTS**
7.0 or equivalent (minimum element scores apply).

**Assessment**
Coursework, group work, exams and dissertation.

**Further information**
www.lancaster.ac.uk/lums/itmoc/

We believe that our very distinctive focus on information technology and organisational change makes the ITMOC programme a market leader in preparing information systems professionals for future careers in organisations such as Deloitte, Accenture and PwC.

Learning from active researchers in the field, you will develop the skills to interpret organisational problems and deal with them in an appropriate manner taking into account the specifics of any particular organisational context.

**Compulsory modules**
- Interpretations of Information, Technology and Organisations
- Knowledge Management and Information Technology
- Strategy and IT Management
- Systemic Interventions and Consulting
- Skills Development: Negotiation, Argumentation and Presentation
- SAP ERP
- Researching Organisational Settings
- Managing and Learning in Project Environments
- The Management of Organisational Change
- Systems Analysis and Design
- Dissertation – often with a public or private organisation

**Optional modules**
- E-Business
- Enterprise Systems
- Human Resource Management I
- Operations Management
- Financial Management
- Network Communications and Cisco Technologies
- Social Aspects of the Digital Age
- Human Resource Management II
- International Marketing
- Knowledge Management II
- Cyber Security Management
- Design Driven Innovation in IS-IT

**MSc/PgDip in International Business**

**Programme Director**
Dr Martin Friesl.

**Duration**
12 months full-time.

**Entry requirements**
A business related upper second class honours degree or equivalent, with evidence of good results in units relating to economics and statistics or quantitative methods.

**IELTS**
7.0 or equivalent (minimum element scores apply).

**Assessment**
Coursework, group work, examination and dissertation.

**Further information**
www.lancaster.ac.uk/lums/ib

The programme provides a very effective mix of competencies enabling graduates to succeed in a wide variety of careers including international firms and organisations, government policy makers, and financial institutions.

Key issues such as international trade, globalisation, emerging economies, foreign direct investment, financial markets, international business strategy, international marketing, cross-national leadership as well as international political economy and cross-border labour flows are all covered.

In contrast to generalist international business programmes, the Lancaster MSc International Business is founded upon a sound understanding of basic economic principles and quantitative methods with considerable emphasis on current and emerging issues in the international economic environment.
Core modules
- International Business I
- Economics for Managers
- Quantitative Methods for Business
- Accounting and Financial Management
- International Business Strategy
- International Business II
- International Business Marketing
- Cross-National Management and Leadership
- Research Methods
- Dissertation – may include company based projects, subjects relate to taught modules

Optional modules
- Business Ethics and Society
- Doing Business in China (Guanghua School of Management, Beijing)
- Growth in Emerging Economies
- International Banking and Risk Management
- International Business Law and Institutions
- International Corporate Strategy and Structure
- International Environmental Law
- International Money and Finance
- Law of International Organisations and Institutions
- Strategic Sourcing

MSc in Management (with pathways in Strategic Management and Project Management)

Programme Director
Dr Mark Stevenson.

Duration
12 months full-time.

Entry requirements
An upper second class honours degree, or its equivalent in any discipline. GMAT is not needed.

IELTS
7.0 or equivalent (minimum element scores apply).

Assessment
Coursework, reports, presentations, group work, examinations, tests and a research project.

Further information
www.lancaster.ac.uk/lums/management/

This programme is designed to equip graduates from a range of disciplines with the knowledge, understanding and skills required to deal with the complexities of management in an international context.

On completion of the programme you will have an integrated understanding of the important functions within management and the interactions between them; capacity to develop a strategy for a new or existing organisation; be an effective learner, planner, communicator and team worker; be a critical and reflective thinker and be able to undertake effective research.

The MSc in Management has given me much more than just a degree, it has taught me about the world and has given me guidance on both my future career and personal life.

Margareta Lind, 2011

Designed for those from any academic background with limited work experience, this is great preparation for an international career in management. The focus is on developing the managers of the future.

Compulsory modules
- Accounting and Financial Management
- Operations Management
- Economics for Managers
- Organisational Behaviour and Human Resource Management
- Introduction to Business Analytics
- Marketing: Applied Theory and Practice
- Management
- Management in Practice
- Strategic Management
- Research Methods
- Research Project (organisation or library based)

Pathway module
Management pathway
- Organisational Change
- Business Analysis and Process Consulting
- Business Ethics and Society

Strategic Management pathway
- Strategic Implementation and Process
- Global Corporate Level Strategy
- Value Creation and Innovation

Project Management pathway
- Project Management
- Discourses of Project Management
- Applied Project Management
The Lancaster MBA

Lancaster has some of the world’s highest ranked programmes in business and management. The Lancaster MBA programmes are accredited by the Association of MBAs (AMBA). The full-time programme is ranked in the world’s top seven and the UK’s top three by Forbes Magazine.

The Lancaster MBA (full-time mode)

The Lancaster MBA is an intensive and rigorous programme which recruits highly motivated, experienced managers from across the world. It provides access to cutting edge knowledge across a full range of business and management subjects.

Programme Director
Chris Saunders.

Duration
12 months full-time.

Entry requirements
An upper second class honours degree, or equivalent professional qualification. A recent GMAT score of at least 600, balanced across verbal, written and quantitative elements. (Those scoring less than 4.5 on the analytical writing element may be required to complete the Lancaster Admissions Essay). Usually at least three years of work experience since graduation, with preference for significant managerial responsibilities. Two good references, two pre-course essays and a case for studying an MBA are required.

IELTS
7.0 or equivalent (minimum element scores apply).

Interviews
UK based – face to face. Overseas – telephone option.

Assessment
Case based examinations, assignments, group presentations, blogs, consultancy reports, and reflective assignments.

Enquiries
Tel: +44 (0)1524 510733
Fax: +44 (0)1524 510739
Email: mba@lancaster.ac.uk

Further information
www.lancaster.ac.uk/lums/mba/

The Lancaster MBA is a one year leadership development programme aimed at ambitious professionals with at least three years professional experience. Our class typically comprises over 20 nationalities from around the world, presenting a great opportunity for students to learn from each other as well as from the high quality faculty.

The programme includes a core international module and optional international exchanges at a number of partner schools to prepare our MBAs for senior positions in global businesses. We place an emphasis on learning through action with three consulting opportunities with UK companies.

A unique element of the Lancaster MBA is our Mindful Manager module which is designed to reshape your thinking and build the skills you will need to perform effectively at the most senior levels. These distinctive features help you to develop into a confident, knowledgeable, critical and responsible leader.

Compulsory modules
- Accounting
- Business Economics
- Finance
- Global Society and Responsible Management
- International Business in Context
- Leading Change
- Managing IT in Organisations
- Marketing
- Operations and Process Management
- Organisational Behaviour
- Strategic Management
- Company Challenges
- The New Venture Challenge (with a start-up company)
- The Consultancy Challenge (with a charity or SME)
- The Corporate Challenge (with a large organisation)

Optional electives
- Leadership Stream – Advanced Leadership and Performance-Led HR
- Strategy Stream – Advanced Strategic Thinking and Strategy Process and Practice
- Finance Stream – International Financial Management and Mergers and Acquisitions

Other electives
- Supply Chain Management
- Project Management
- Strategic Brand Management
- Learning Cell
The Lancaster MBA (Executive Mode)

Programme Director
Dr Steve Kempster.

Duration
24 months part-time.

Entry requirements
An upper second class honours degree, or an equivalent professional qualification. At least five years full-time professional/managerial work experience.

IELTS
7.0 or equivalent (minimum element scores apply).

Assessment
Work based assignments, examinations, UK consultancy challenge project and dissertation.

Enquiries
Tel: +44 (0)1524 510733
Fax: +44 (0)1524 510739
Email: emba@lancaster.ac.uk

Further information
www.lancaster.ac.uk/lums/emba/

The Lancaster MBA (Executive) programme is designed to build your functional knowledge and your leadership capability through a combination of taught modules in key management areas interspersed with experiential projects, or challenges, where you apply that knowledge to specific business issues. These are complemented by action oriented coursework assignments in your organisation.

The programme brings employers, participants, and faculty together in partnership to deliver maximum benefits to both individual and organisation, and is popular with sponsoring organisations including: BAE Systems, London Underground, EDF, Helsinki Energy, Local Government, NDA, NHS Trusts, Otis, Oxley Developments, Peel Ports, Rank Group, and Vestas. There is also considerable portability of learning for those seeking to use the programme as a springboard for career advancement.

As reflected in the diagram, the taught modules are grouped into three key themes or perspectives:

- **The Strategic Perspective** – the ‘big picture’ of where the organisation is and wants to go
- **The Relational Perspective** – the ‘soft skills’ and people management aspects of leadership practice
- **The Practice Perspective** – the practical aspects of leading and managing the various business functions

Running throughout the programme as integrating threads are two of Lancaster’s most distinctive modules, designed to shape your practice as a manager and build your awareness of the wider context in which businesses operate:

- The Mindful Manager centres on your personal development and develops your capacity to engage productively and thoughtfully with others.
- The Practice of Leadership focuses on both your understanding of leadership and the development of your personal practice in this vital area.

The Lancaster EMBA: programme structure

As reflected in the diagram, the taught modules are grouped into three key themes or perspectives:

- **The Strategic Perspective** – the ‘big picture’ of where the organisation is and wants to go
- **The Relational Perspective** – the ‘soft skills’ and people management aspects of leadership practice
- **The Practice Perspective** – the practical aspects of leading and managing the various business functions

Running throughout the programme as integrating threads are two of Lancaster’s most distinctive modules, designed to shape your practice as a manager and build your awareness of the wider context in which businesses operate:

- The Mindful Manager centres on your personal development and develops your capacity to engage productively and thoughtfully with others.
- The Practice of Leadership focuses on both your understanding of leadership and the development of your personal practice in this vital area.

The Lancaster EMBA: programme structure

- **Strategic Operations Management**
- **Financial Decision Making for Managers**
- **Applied Marketing for Managers**
- **Business Development Challenge**
- **Strategic Change**
- **Strategic Management and the Economic Environment**
- **Strategic HRM and Organisational Behaviour**
- **Consultancy Challenge**
- **Global Society and Responsible Management**
- **Written Proposal**
- **Applied Research Challenge**
- **Capstone Event**

Key
- **Strategic Perspective**
- **Relational Perspective**
- **Practice Perspective**
Compulsory modules
- Introduction Workshop
- Strategic Management for the Economic Environment
- Financial Decision Making for Managers
- Applied Marketing for Managers
- Managing Strategic Change
- Strategic Operations Management
- Strategic HRM and Organisational Behaviour
- The Practice of Leadership
- Global Society and Responsible Management
- The Mindful Manager
- Business Development Challenge
- Consultancy Challenge
- Applied Research Challenge Dissertation

Optional modules
Students can broaden their expertise through unassessed electives. Since the electives are conducted with the full-time and global programmes, these also offer a valuable opportunity for participants to widen their cultural horizons and broaden their network. A wide range of electives are available, including an overseas elective which will incur an additional fee. Please see our website for further details.
The Institute for Entrepreneurship and Enterprise Development (IEED), founded in 2003, is Lancaster University Management School’s (LUMS) newest department. Its vision is to achieve excellence in entrepreneurship research and teaching, and has closely integrated research, teaching and business engagement embedded in its philosophy.

It developed out of the LUMS Entrepreneurship Unit where a continuous stream of substantial knowledge exchange projects have supported research and teaching in entrepreneurship. This business engagement has been informed by research-led pedagogy linked to the department’s emerging research agenda around entrepreneurial learning.

Research insights have given our programmes a robust distinctiveness and contributed to a virtuous circle linking research, business engagement and teaching. Our research-led business engagement enhances the student experience and employability through sustained interaction with our 21 Entrepreneurs in Residence. Regular engagement with business through knowledge exchange activity informs and enriches research and facilitates knowledge exchange.

In many cases, research activity is closely linked to a number of projects which are being conducted collaboratively with various industrial and business partners. Research in IEED is currently focused on the following themes:

**Entrepreneurial Learning**: the exploration of the nature of entrepreneurial behaviour and the way in which entrepreneurs learn. Work on entrepreneurial behaviour has used social psychology, and specifically social constructionism, to explore entrepreneurial behaviour and understand the contextual links between individuals’ motivations, behaviours and business strategies. The work is expanding to explore how concepts of the entrepreneur are constructed and used within society.

**Research degrees**

**MPhil/PhD**

**Entry requirements**

A Masters degree with a significant research methods component. Good honours bachelors graduates can be considered for registration, but they may first need to follow the MRes or MA (by research) in the subject closest to their research topic.

**IELTS**

7.0 or equivalent (minimum element scores apply).

There is an active cohort of entrepreneurship PhD students on the PhD in Management programme whose research builds on the research interests of the Institute. We are always happy to receive applications from well qualified applicants interested in studying for a PhD on a full- or part-time basis. The Institute aims to provide as much support as possible to students in the development of their work. Part-time applicants must demonstrate how they will provide the time and resources to complete their PhD and successful applicants will be expected to visit Lancaster on a regular basis for supervision and training.

**Our research interests**

Entrepreneurship is an emerging, active and multidisciplinary research specialism. Staff have complementary academic backgrounds embracing management, business history, economics, sociology and technology. Regular engagement with business through outreach activity informs and enriches their research and facilitates knowledge exchange.

In many cases, research activity is closely linked to a number of projects which are being conducted collaboratively with various industrial and business partners. Research in IEED is currently focused on the following themes:

**Entrepreneurial Learning**: the exploration of the nature of entrepreneurial behaviour and the way in which entrepreneurs learn. Work on entrepreneurial behaviour has used social psychology, and specifically social constructionism, to explore entrepreneurial behaviour and understand the contextual links between individuals’ motivations, behaviours and business strategies. The work is expanding to explore how concepts of the entrepreneur are constructed and used within society.
Family Business: the diversity and number of family businesses and their behaviour make them an important field of study and one which is naturally multidisciplinary, involving sociology, economics, management theories, culture and history. Understanding family firms requires the analysis of the complex interaction of family and firm, the forces underlying family values and the way these shape the business culture, behaviour, and capabilities of firms.

Regional Development, Enterprise Policy and Knowledge Exchange: the examination of the discourses of government policy-making in enterprise and regional development with a specific interest in the North West, its sub-regions and communities. Within this group there is a focus on policy directed at regional development and enterprise education, including study on Higher and Further Education.

Small and Medium-sized Business (SMEs): the impact of previous business ownership experience on SME performance. Research themes within the IEED include the effect of serial entrepreneurship on start-up activity and SME survival, as well as the relationship between serial and portfolio entrepreneurs, firm size and growth.

Innovation: entrepreneurship involves the recognition and assessment of opportunities and is often the bridge between creativity and innovation – what is needed and what is possible and the interplay of these two questions is an ongoing process. Current research explores the relationship between path dependency, path creation and path destruction, networks and communities of practice in evolutionary models of innovation.

Networks: despite the individualistic tradition of entrepreneurship, there is an increasing awareness that networks are crucial to entrepreneurs and that social relationships can influence economic outcomes. The emerging perspective is that since economic activity is embedded in society, the innovative entrepreneur develops and builds networks which provide external sources of information, support, finance and expertise allowing mutual learning and boundary crossing.

Research degrees
- MPhil/PhD

Taught programmes
- MSc/PgDip in Entrepreneurship, Innovation and Practice
- MSc in International Innovation

Head of Department
Dr Qihain Huang

Postgraduate enquiries
Tel: +44 (0)1524 510733
Fax: +44 (0)1524 510739
Email: gms@lancaster.ac.uk
www.lancaster.ac.uk/lums/ieed/
Entrepreneurship and innovation play a vital role in helping businesses of all sizes to find new sources of competitive advantage and in times of recession they can provide the very basis for survival.

The programme is designed for graduates who are looking to gain specialist knowledge of entrepreneurship and innovation and the capacity to translate that into practical action. You may perhaps have ambitions to set up your own business at some point in the future – or you may be looking to use your entrepreneurial skills in larger companies. What you learn on this MSc, and the skills you acquire, will also be very valuable to public sector organisations and those in the not-for-profit sector.

Compulsory modules
- Introduction to Entrepreneurship
- New Venture Creation
- Entrepreneurship in Practice
- Innovation in Practice 1
- Corporate Entrepreneurship
- Internationalisation and New Technologies
- Innovation in Practice 2
- Family Enterprise Management
- Strategic Management
- Introduction to Business Analytics
- Dissertation Project and Research Methods

IELTS
7.0 (with a minimum element score of 6.0).

Assessment
Coursework, group work, examination and dissertation.

Further information
www.lancaster.ac.uk/lums/eip

These exciting new programmes draw on the strengths of the Management School's Institute for Entrepreneurship and Enterprise Development and, through its strong focus on the practical application of theory, equips able business graduates with the knowledge and skills they will need to be more innovative and enterprising in their future careers.

MSc in International Innovation
Programme Director
Helen Fogg.

Duration
24 months full-time.

Entry requirements
An upper second class honours degree, or its equivalent in a relevant subject. Work experience preferred, not essential.

IELTS
Normally 7.0 (with a minimum of 6.0 in each component).

Assessment
Coursework, group work, examination, projects and dissertation.

Further information
www.lancaster.ac.uk/china-catalyst/msc

This new MSc in International Innovation offers a ground-breaking curriculum, blending academic studies, company projects and cultural experiences. Drawing from internationally recognised faculties from across the University, this unique MSc will offer ambitious UK/EU and overseas students the opportunity to work on high impact collaborative projects with companies both in the UK and China.
Over 24 months, students will cover a range of general and specialist courses chosen from five distinct pathways, supplemented by language, cultural and business seminars, resulting in a rich and distinctive learning experience. A highly supportive environment will help build a deep understanding of innovation and internationalisation with a cohort of like-minded, multi-disciplinary students, entrepreneurs and businesses. Close inter-faculty collaboration between the Lancaster University Management School, the Faculty for Science and Technology and the Faculty of Arts and Social Sciences, will equip students with a solid foundation in the areas of design, entrepreneurship and technology, whilst allowing them to specialise in one of these areas.

This unique programme offers five distinct academic pathways and students will choose from one of these pathways depending on their entry route to the programme.

Pathway 1: MSc International Innovation (Environmental Science)
This pathway draws on the strengths of the Lancaster Environment Centre. Students will gain a foundation in the areas of technology, design and management, whilst specialising in environmental science.

Pathway 2: MSc International Innovation (Engineering)
This pathway encompasses selected modules in electronics and/or mechanical engineering. It will involve the pervasive use of electronics and embedded software within the systems and devices we use on a daily basis.

Pathway 3: MSc International Innovation (Computer Science)
This pathway draws on the strengths of the InfoLab21 in the School of Computing and Communications. Students will gain a foundation in the areas of technology, design and management, whilst specialising in modern computer science and communications technologies.

Pathway 4: MSc International Innovation (Design)
This pathway draws on the strengths of the Lancaster Institute for the Contemporary Arts and the design-led research lab, ImaginationLancaster. The programme explores design as a driver for innovation and provides students with an understanding of how design interfaces with other disciplines in the product development process.

Pathway 5: MSc International Innovation (Entrepreneurship)
This pathway is designed for students with a business or management background, and draws extensively on the unique qualities of the Institute for Entrepreneurship and Enterprise Development (IEED). It will provide a framework to understand entrepreneurship across different cultures within the UK and China and an opportunity to work high impact collaborative research, development and commercialisation projects in these countries.

Mary Rose
Professor of Entrepreneurship

We are thrilled that the IEED has won a national award from the Economic and Social Research Council (ESRC) in recognition of the value of what we are doing here at Lancaster and our outstanding impact on business. When the IEED was set up, it was very much driven by our belief that the best way to study, teach and support entrepreneurship is to ensure there is integration between research, teaching and business engagement activities.

A research grant from the ESRC in 2007 enabled us to focus on how universities establish productive knowledge-exchange relationships with SMEs. It brought out sharply the need to recognise the value of ‘soft skills’, and demonstrated mechanisms by which networks of SME owner-managers could work with universities on entrepreneurship education for practitioners.

For more information please go to www.lancaster.ac.uk
Lancaster Leadership Centre

The Lancaster Leadership Centre (LLC) specialises in designing, developing and delivering executive management and leadership development programmes to meet the strategic and operational needs of our increasingly diverse clients. LLC also leads on the design and delivery of several individual development programmes, including the MSc in Project Management.

In 1989 we pioneered the first single company MBA with British Airways, since then we’ve been building a formidable reputation for customised executive education that makes a lasting difference to those with whom we work.

All of our work draws on in-depth understanding of management and organisational learning, which is informed by pioneering research by the Faculty in how managers and leaders learn. It is also shaped by our own experience of delivering programmes to senior managers from the public, private and non-profit sectors.

This expertise means we can design programmes that combine theoretical and experiential learning in highly effective ways, using action learning methods to ensure our courses deal with the pressing issues faced by our delegates and their organisations.

Teaching staff within the Centre are selected for their ability to understand organisational issues and are expert in designing and directing executive and organisational development programmes. Staff expertise ranges from strategy and leadership to corporate social responsibility and executive coaching. We also draw on expert staff from other LUMS departments, and on our associate group of business experts, coaches, outdoor learning specialists and experienced facilitators.

Key fact

Coming soon – a new MSc in Leadership Practice and Responsibility. For further details please see www.lancaster.ac.uk/lums/lancaster-leadership-centre

"The MSc in Project Management was a perfect match with my undergraduate degree in Entrepreneurship and Innovation. The broad coverage of the programme gave me the skill to effectively manage projects, people and organisational change. My 12 week summer project with Rolls-Royce was a great experience and really kick started my career. I highly recommend LUMS in general and the Project Management programme especially. I would love to do it again." - Kine Norheim, MSc in Project Management, 2009/2010 Norway
**Taught programmes**

**MSc in Project Management**

**Programme Director**
Neil Ralph.

**Duration**
12 months full-time.

**Entry requirements**
An upper second class honours degree in any discipline. Work experience is welcomed but not essential.

**IELTS**
7.0 or equivalent (minimum element scores apply).

**Assessment**
Coursework and examination.

**Further information**
[www.lancaster.ac.uk/lums/prj-mgmt](http://www.lancaster.ac.uk/lums/prj-mgmt)

This programme is designed to provide you with the practical skills, mental models and theoretical background to attain a professional role in a project based organisation.

From enabling small or medium sized projects to run effectively to robust project planning and execution of large-scale projects and programmes (including financial competency, IT skills and strong management theory), the development of your project management skills is approached from a practical perspective with real project scenarios. This is underpinned by a critical approach to developing good practice.

**Compulsory modules**
- Principles of Project Management
- Project Leadership
- Advanced Project and Programme Management
- Commercial Aspects of Project Management
- Developing Project Management Professional Practice
- Delivering Projects: Strategy, Implementation and Change
- Business Analytics
- Managing Complex Problems
- Reflexive Approach to Research
- Applied Project Management Research Project

**Head of Department**
Dr Steve Kempster

**Postgraduate enquiries**
Tel: +44 (0)1524 510731
Fax: +44 (0)1524 510739
Email: mdd@lancaster.ac.uk
[www.lancaster.ac.uk/lums/lancaster-leadership-centre](http://www.lancaster.ac.uk/lums/lancaster-leadership-centre)
Management Learning and Leadership

The Department of Management Learning and Leadership is the leading academic centre in Europe solely committed to the critique and improvement of management education, management development and leadership development.

Various government reports have identified this understanding as crucial to a nation's economic needs and to the development of high calibre leaders and managers.

The Department was founded with funding from the Foundation for Management Education (FME) and has very close links with industry and commerce. It has played a leading role in defining and developing the field of Management Learning at both national and international level.

The Department has a strong reputation among academics around the world, maintained through numerous research publications, conferences, and a network of international contacts.

All our programmes are suitable for leaders, managers, management developers, trainers, teachers and consultants who are professionally concerned with two areas: enabling individuals and organisations to learn; and enabling individuals and organisations to learn better ways of leading and managing whatever they are in business to do.

Our programmes offer opportunities to learn both face-to-face and virtually through online communication and networked learning. Our postgraduate students are supported in setting their own priorities for learning and focusing on topics of relevance to their current or future practice. They choose the issues they wish to explore, their method of study, and are encouraged to understand critically their own practice. They also learn to take a critical perspective on the nature of management education and leadership development both in 'education' and 'work' settings, giving consideration to policy and operational concerns.

Key fact

Our programmes encourage students to take responsibility for their own development, to interrelate theory and practice and to develop a critical and reflective approach to both their personal/professional and academic learning.

Professor Vivien Hodgson
Management Learning and Leadership

The Department of Management Learning and Leadership (DMLL) was the first department of its kind in UK/Europe and has been at the forefront in establishing the field of Management Learning as an international research area and focus within Business and Management Studies. It has consistently contributed to work in the area through its teaching and learning programmes as well as through its research activities. The Department sees its research and teaching as inter-related, with many of its staff publications being on learning and pedagogy as well as on organisational learning.
Research degrees

MPhil/PhD

Doctoral Director
Professor Claire Leitch.

Entry requirements
Masters degree or equivalent, ideally with relevant work experience. Exceptionally, an upper second class honours degree or equivalent.

IELTS
7.0 or equivalent (minimum element scores apply).

Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/lums/dml/research/phd

We welcome talented and committed applicants from all over the world whose interests and research plans match well to those of staff within the department. Our research is characterised by its criticality, reflexivity and the integration of theory with practice, and by a desire to help shape the world in which we live.

Given the individualised nature of research and the importance of cross-disciplinary perspectives, we normally allocate each student two supervisors. PhD study involves a large component of self-directed study but in the first year of the programme students attend a series of taught courses and seminars to ensure they have a rigorous foundation in various methodologies and approaches to research. Special PhD workshops, attended by the Department’s full- and part-time students, provide another important way of taking your ideas forward.

Research in the Department focuses on three broad areas: how employees learn, how leadership is developed, and how organisations can learn and develop over time. In our work, we engage with contemporary debates in a wide range of disciplines, including organisation studies, education, cultural studies and sociology, to address key theoretical challenges as well as practitioner and policy issues in management. While there is a rich heritage within the Department of using action learning and action research approaches we draw upon a variety of qualitative and quantitative methods as appropriate.

Our graduates go on to successful academic careers in some of the world’s leading universities, and some use their PhDs in industry or to inform their work as consultants.

The MA in Human Resources and Consulting offers students a unique opportunity to work as consultants with local companies on real organisational issues.

Ulrike Burger, 2011

For more information please go to www.lancaster.ac.uk
Our research interests

Critical Management Education and Organisational Learning: critical management learning, social learning theory, theories of knowledge, socio-material networks and communities of practice, dynamic capability, knowledge management systems and knowledge sharing.

Leaders, Leadership and Followership: leadership-followership dynamics, organisational culture, critical perspectives and leadership effectiveness.

Cultural Differences, Diversity and Gender: embodiment, masculinity, identity, diversity, women in management, parenting and work, sociological and cultural theories of gender.


Responsibility and Sustainability: social justice, corporate responsibility, social and human development, globalisation, internationality and post-colonialism.

Taught programmes

MA in Human Resources and Consulting

Programme Director
Dr Valerie Stead.

Duration
12 months full-time.

Entry requirements
An upper second class honours degree, or equivalent, work experience in HR and/or consulting useful but not essential.

IELTS
7.0 or equivalent (minimum element scores apply).

Assessment
Coursework, assignments, group work, consulting project and dissertation.

Further information
www.lancaster.ac.uk/lums/hrc

The MA in Human Resources and Consulting is designed for individuals wishing to explore careers in HR, management consultancy, education and management development, and organisational development. The MA develops the skills you need to act as a change agent – designing and implementing interventions that develop human resources in pursuit of organisational objectives.

Taking a critical perspective on theory and practice the programme invites you to engage with many different ideas, concepts and ways of thinking about human resources and consulting, and about individual and organisational learning. Our dual focus on theory and practice is designed to enrich both your knowledge and your skills, making you far more adept at knowing what will work where, and why.

A unique feature of the programme is the consulting project that provides the opportunity to put your learning into practice by working with a real client organisation to develop recommendations on current workplace issues.

The approach to Human Resources and Consulting used within the MA is based on a learner centred approach using models of experiential and action learning enabling you to test out and critique leading ideas and practice.

Through these participatory learning processes you will be supported to develop professional practice skills such as presentation and communication, research and consultancy, facilitation and interviewing skills, and teamwork. This development is further enhanced through careers, learning and study skills sessions. You’ll also be guided in choosing research and dissertation topics to reflect your interests and experiences.

Compulsory modules
- Induction
- Introduction to Human Resources and Consulting
- Design and Dynamics of Learning
- Research Methods I
- Organisational Learning and Knowledge Management
- Advances in HR and Leadership
- Research Methods II
- Organisational Diagnosis and Consulting
- International HR and Leadership Development
- Quantitative and Survey Research Methods
Management Science

Our Department of Management Science has an outstanding teaching, research and publishing record and a worldwide reputation as an international centre of excellence.

We have one of the longest established departments of its type in Europe. Our research and teaching interests cover a wide range of areas including:

- E-Business
- Information Systems and Technology
- Logistics and Transport
- Management Science
- Marketing Analytics and Forecasting
- Operational Research
- Operations Management
- Supply Chain Management
- Systems/Soft OR

Departmental resources are excellent with extensive computer facilities on hand and, within the University library, a full range of journals, electronic databases and books.

Our postgraduate and PhD degree programmes will provide you with skills that are much in demand by employers for general management, consultancy, specialist analytical roles and information systems management.

Graduates have found work in consulting organisations, such as Cap Gemini or Accenture; in operations research (OR), operations management (OM), strategy formulation and information systems (IS) groups in government or in major companies such as British Airways; and in specialist management roles – such as a credit analyst for HSBC, forecaster with BT, or information systems architect with IBM. Our PhD graduates are also employed as academics in leading universities across the world.

Recent Engineering and Physical Sciences Research Council (EPSRC) investment at Lancaster for the Departments of Management Science, and Mathematics and Statistics builds on Lancaster’s long standing commitment to OR and Statistics and its leading reputation in these fields. It is also testimony to the success of recent initiatives such as the EPSRC Science and Innovation award in OR (the LANCS Initiative), the EPSRC funded Doctoral Training Centres in Statistics and OR (www.stor-i.lancs.ac.uk), and the National Taught Course Centre in OR (NATCOR).

Research degrees
- MPhil/PhD

Integrated degrees (1+3)
- MRes/PhD Management Science
- MRes/PhD in Statistics and Operational Research with Industrial Applications (STOR-i)

Taught programmes
- MSc in Operational Research and Management Science (OR and MS)
- MSc in Logistics and Supply Chain Management (L and SCM)
- MSc in Management Science and Marketing Analytics (MS and MA)
- MSc in Quantitative Finance

Research enquiries
Ms Gay Bentinck
Tel: +44 (0)1524 592408
Fax: +44 (0)1524 592060
Email: g.bentinck@lancaster.ac.uk
www.lancaster.ac.uk/lums/management-science/

Taught programme enquiries
Mrs Jackie Clifton
Tel: +44 (0)1524 593840
Fax: +44 (0)1524 592060
Email: managementscience.msc@lancaster.ac.uk
www.lancaster.ac.uk/lums/management-science/
Research degrees

MPhil/PhD

**Doctoral Director**
Professor Konstantinos G. Zografos.

**Duration**
3 or 4 (1+3) years full-time.
Part-time also possible.

**Entry requirements**
Relevant Masters degree or equivalent.

**IELTS**
7.0 or equivalent (minimum element scores apply).

**Assessment**
Original research and thesis.

**Further information**
www.lancaster.ac.uk/lums/management-science/research/phd

The programme in Management Science is one of the largest in the world with approximately 70 current students. We are interested in students who wish to undertake research in Management Science, in any subject area, and welcome contact even before you have identified a suitable research topic. Please see our research interests for our particular strengths in supervision.

---

Maddy Howarth
Graduate, MSc Operational Research and Management Science

"The course structure enabled me to gain core OR skills as well as allowing for flexibility to specialise in particular areas of interest, such as logistics or marketing analytics. Classes were varied and included many external speakers from academia and industry as well as many practical workshops.

The project placement at the end of the course was an excellent way of gaining real life consultancy type experience by carrying out a whole OR project for a real business client, presenting the findings and writing both academic and report style papers. It was a highly valuable experience which helped me understand the challenges in applying academic theories to real life problems and in communicating complex issues to a variety of stakeholders.""
Our research interests

A wide variety of research takes place in the Department, but with a consistent focus on application to the outside world. Much of the research is carried out for and alongside external client organisations. The research areas are loosely organised in several groups as follows.

The Lancaster Centre for Forecasting tackles a wide range of predictive analytics problems that organisations face. Its focus is on the key areas of forecasting, data mining and market modelling, supporting operational challenges, and decision making. These include Supply chain forecasting and its link to retailing; promotional modelling and inventory management; the design of forecasting support systems to improve automation and the effectiveness of managerial judgment; the development of new computational intelligence algorithms for data mining applications including credit risk, Big Data intelligence and predictive models. In marketing analytics the focus is Dynamic pricing and promotions; customer mindset metrics, customer lifetime value and marketing productivity. The Centre works intensively with industry in understanding, modelling and solving real organisational problems.

The Operations Management group researches several aspects of operations and supply chain management. These include process design in business services and manufacturing; ‘workload control’ production planning methods; sustainability in supply chains; global sourcing and contracting in business services; and operational risk. The group’s work connects with that of colleagues in the other groups in the Department, as well as across the School and wider University.

The Lancaster Centre for Transportation and Logistics uses a problem-led interdisciplinary research approach to provide cutting-edge sustainable solutions leading to the continuous improvement of transportation and logistical systems. The Centre tackles problems associated with the organisation, planning, design, operation, and control of transportation and logistical systems. Currently, its research activities focus on airport and air traffic management, hazardous materials transportation, demand responsive transport systems, multimodal itinerary planning, emergency response and humanitarian logistics, green and city logistics, and project management. The Centre co-operates with a large array of industrial and academic partners nationally and internationally, and collaborates with other research groups in the department and across the University.

The Optimisation group uses a wide range of sophisticated exact, approximate, heuristic and meta-heuristic techniques, to solve deterministic and stochastic optimisation problems, including, routing, scheduling, location and dynamic resource allocation problems.

The Information Systems group works on a variety of topics such as Healthcare information systems; methods for software design and development; ‘Dark’ aspects from information technology use, such as stress and addiction; information technology enabled business innovation; gamification; information technology governance; global sourcing of information technology; information technology for development (ICT4D); information technology enabled supply chain management and customer relationship management; and high speed computing technologies for commercial use. The group conducts research using a variety of methods such as interpretive/qualitative research, survey research, design science research and action research.

The Health Modelling group is involved in issues such as determining requirements for hospital staffing, modelling patient flows and performance measurement and improvement.

The Computer Simulation group conducts research to improve the quality of simulation modelling processes (simulation methodology), to investigate how new software and hardware technologies can be used to improve simulation modelling process (simulation technology), and to apply simulation modelling in various domains such as health and social care, supply chain, service and operations management, social risk analysis and project management (in collaboration with other research groups).

The Systems/Soft OR group uses methods such as soft systems methodology to help decision makers manage complexity and to understand and formulate their problems, and also considers ways in which ‘soft’ and ‘hard’ approaches may be used in a complementary manner.
Integrated degrees (1+3)

MRes/PhD in Management Science

**Doctoral Director**
Professor Konstantinos G. Zografos.

**Duration**
12 months-4 years full-time.

**Entry requirements**
First or upper second class honours degree, or equivalent.

**IELTS**
7.0 or equivalent (minimum element scores apply).

**Assessment**

**Further information**
www.lancaster.ac.uk/lums-management-science/research/

In 2010, the Department was awarded substantial funding to develop a unique Centre for Doctoral Training (STOR-i) combining statistics, operational research and industrial applications (see page 24). We are producing a new generation of researcher, capable of creating an impact in these complementary areas. This Centre has fully funded 40 students between 2010 and 2013, and is due to fully fund at least 60 further student entering the Centre for Doctoral Training in 2014-2019.

The MRes is often used as a prelude to a PhD application but is also attractive to employers. One third of the programme focuses on taught modules chosen from the wide range offered on our MSc programmes and is designed to relate to your field of interest and fill in gaps in your knowledge. Two thirds of the programme is dedicated to your research project, beginning with training in research techniques and leading to either a dissertation or a research proposal.

Successful performance on the MRes opens up the opportunity to register for PhD programmes in the Department.

---

MRes/PhD in Statistics and Operational Research in Partnership with Industry (STOR-i)

**Director of Studies**
Professor Jonathan Tawn.

**Duration**
4 years full-time.

**Entry requirements**
First class honours degree, or its equivalent, in an undergraduate course with a substantial mathematical content.

**IELTS**
6.5 or equivalent.

**Assessment**

**Further information**
www.stor-i.lancs.ac.uk

The STOR-i Centre for Doctoral Training offers a unique four year doctoral training programme with a ground-breaking approach to Statistics and Operational Research developed and delivered in partnership with leading industrial partners. There are typically over ten fully funded places available each year.

Continual collaboration and networking with our wide range of industrial partners ensures that this programme will produce a new generation of highly employable researchers equipped with the skills required for effective careers in academia or industry. Some of the UK’s leading companies committed to providing this support include BT, IBM, AstraZeneca, Shell and SSE.

The programme begins with an MRes, which provides a robust grounding in the field and the development of key research skills. You will then identify a research topic and plan your PhD research. You will also develop a versatile skill set including: advanced problem solving, programming, and teamwork, plus, a broad range of presentation and dissemination skills.

The remaining three years will be spent working on the PhD project guided by appropriate supervisory teams, whilst taking a wide range of specially devised training programmes and experiencing extended international research visits at world leading universities to increase your employability. All PhD students get an experience of researching with industry, with 80% of students having a PhD project co-funded and co-supervised by industry and the rest having a six month industrial internship.

**Compulsory modules**
- Training for Research and Industry
- Probability and Stochastic Processes
- Optimisation
- Likelihood Inference
- Computer Simulation
- Bayesian Inference
- Computational Intensive Methods

**Optional modules**
(PhD – voluntary):
- Leadership and Project Management

---

**Compulsory modules**
- Training for Research and Industry
- Probability and Stochastic Processes
- Optimisation
- Likelihood Inference
- Computer Simulation
- Bayesian Inference
- Computational Intensive Methods

**Optional modules**
(PhD – voluntary):
- Leadership and Project Management
Taught programmes

MSc in Operational Research and Management Science (OR and MS)

MSc in Logistics and Supply Chain Management (L and SCM)

MSc in Management Science and Marketing Analytics (MS and MA)

Programme Director
Professor Mike Wright.

Duration
12 months full-time.

Entry requirements
A first class or upper second class honours degree, or its equivalent.

IELTS
7.0 or equivalent (minimum element scores apply).

Assessment
Assignments, formal examinations, projects, team work, business report, presentations, interactive exercises and dissertation.

Further information
www.lancaster.ac.uk/lums/management-science/masters/

These programmes are ideal if you wish to work in decision support, business analytics, project management, marketing analytics, logistics, supply chain, industrial engineering, operational research or management science.

The employment record of our graduates is excellent and they are in demand from private and public sector organisations for their analytical skills.

Departmental scholarships are available for the best-qualified applicants.

Our approach emphasises four themes:

Quantitative Modelling: building and using mathematical and statistical models to help people plan and make better decisions.

Systems Thinking: seeing the whole picture, not just part of the problem.

Consulting Skills: how to work with people and to make an impact.

Real World Focus: putting theory into practice.

The three programmes share a core of taught modules, and then offer different paths through options and a four month project, most of which are carried out for an external client organisation on a real problem. These provide excellent networking opportunities as well as the chance to use analytical skills acquired during the taught part of the degree. Those wishing to go on to PhD level may choose an academic research project instead.

I found the MSc very helpful because sophisticated and difficult topics were presented in a very understandable way – especially valuable for someone like me, who had no previous experience in the subject.

My project with Shell lasted from mid-May until mid-September. I joined a Statistics and Chemometrics Group in Chester. I was involved in business solutions and inventory control projects, but I chose the assessment of the “Prediction Toolbox”, developed by the Group, to be my main MSc project. In the company I was given lots of responsibility. I had contact with experts and managers in many fields. However, the biggest satisfaction for me was developing my ideas into models that would be used by an international company like Shell.
Core modules
(All programmes)
- Applying Statistical Models in Business
- Problem Solving Skills for Consultants
- Spreadsheet Modelling

Compulsory modules
(L and SCM)
- Strategic Supply Chain Management
- Global Sourcing and Business Services
- Logistics Modelling
- Operations and Supply Excellence

Compulsory modules
(OR and MS)
- Introduction to Operational Research and Management Science

Compulsory modules
(MS and MA)
- Introduction to Management Science and Marketing Analytics

Optional modules
These may vary yearly, with some restrictions depending on programme studied, but most modules are open to students across all three programmes.

OR and MS choose three or four from:
- Problem Structuring
- Computer Simulation
- Stochastic Modelling
- Optimisation and Heuristics

MS and MA choose three or four from:
- Data Mining for Marketing, Sales and Finance
- Forecasting
- Marketing Analytics and Modelling
- Marketing Research Methods

All students choose two or three optional modules from those already mentioned plus:
- SAS Programming for Business Analytics
- International Marketing
- Pricing Analytics and Revenue Management
- E-Marketing
- Logistics
- Global Sourcing
- ERP (Enterprise Resource Planning) Systems
- C++ Computer Programming

See website for further clarification, www.lancaster.ac.uk/lums/management-science/masters/

Examples of recent projects:
- Air cargo forecasting: Virgin Atlantic Cargo
- Recommendations for the Future Logistics Strategy: United Utilities
- Forecasting fresh produce sales using weather and promotional information: Tesco
- Simulating operating policies for an NHS Walk in Centre: Liverpool Primary Care Trust
- Improving the performance of operational control rooms: Greater Manchester Police

MSc in Quantitative Finance
Please see entry under Accounting and Finance.

Yang Ge
Graduate, MSc Management Science and Marketing Analytics

I chose to study at LUMS due to its great reputation and good environment on campus. It was a nice quiet city for my studies. The lecturers were all very friendly. They taught me how to think and gave me vital knowledge which has been very useful during my current work, especially data mining, marketing analytics, spreadsheet modelling and SAS programming.

During the summer, I worked at Barclaycard and was able to get very good feedback from the company. I was lucky enough to secure a job with them after graduating, as a strategic analyst.
Marketing

The Department of Marketing is the oldest in the UK. It was established in 1965 with the first Professor of Marketing in a UK university and we now have a thriving community of postgraduate students.

The Department has 30 members of academic staff and there are a number of staff in other departments in LUMS who have interests in particular areas of Marketing.

Our postgraduate research students have access to experienced staff and resources in the University, but also contribute to existing programmes of research in the Department. Doctoral students are important contributors to existing programmes of research.

Our research interests

We cover a wide range of sub-disciplines within Marketing and there are, broadly, four main areas of research:

**Consumer Behaviour:** symbolic consumption and consumers’ identity projects; vulnerable consumers; alcohol and other risky consumption among youth; sustainability, environmental and ethical issues; consumers as identity seekers; cross cultural aspects of consumer research; and the ways in which brands mediate relationships between consumers and organisations.

**Business Marketing and Purchasing:** inter-organisational relationships; supply chains and marketing; business models and supply networks; product-service offerings in business markets; managers and networks; negotiations and contracts.

**Market Studies:** business models and market-making; corporate identity; market rules and regulations; base-of-the-pyramid markets; market-making practices.

**International Marketing:** brand authentication in international markets; internationalisation of the retail firm; the role of brands in retailer internationalisation; the transient consumer in global markets.

Research degrees

- MPhil/PhD

Taught programmes

- MSc/MRes in Advanced Marketing Management
- MSc in Management (with a pathway in Marketing)

Number of postgraduate students

70+

Head of Department

Professor Maria Piacentini

Research enquiries

Tel: +44 (0)1524 510901
Email: g.e.cannon@lancaster.ac.uk
www.lancaster.ac.uk/lums/marketing/

General enquiries

Tel: +44 (0)1524 510733
Fax: +44 (0)1524 510739
Email: gms@lancaster.ac.uk

For more information please go to www.lancaster.ac.uk
Research degrees

MPhil/PhD

**Entry requirements**
Relevant Masters degree at distinction level or, equivalent and a distinction grade achieved in Master's research dissertation, plus a viable research proposal.

Exceptionally, an upper second class honours degree, or equivalent, in Marketing or Management will be considered.

**IELTS**
7.0 or equivalent (minimum element scores apply).

**Assessment**
Original research and thesis.

Further information
www.lancaster.ac.uk/lums/research

The Department has a lively research atmosphere with over 15 research students currently registered. Research students are expected to take a full part in department life, attending seminars and consortia, and presenting papers. Full-time students will be required to take research methodology courses run by LUMS or other Faculties. Part-time students who are unable to attend courses will be given guided reading and activities to make up any gaps in their research practice.

Research degrees are most likely to be completed successfully and in good time when there is a good match between the interest and availability of a potential supervisor, the interests of the applicant and the importance and accessibility of the topic. Applicants may find viable areas of study suggested on our Faculty website, the information will also allow you to ensure a good fit between your interests and our areas of expertise.

Taught programmes

MSc in Advanced Marketing Management

**Programme Director**
Dr Alan Gilchrist.

**Duration**
12 months full-time.

**Entry requirements**
An upper second class honours degree, or equivalent, in Marketing or with a substantial Marketing component. We will consider non-business related degrees for candidates with significant work experience in marketing.

**IELTS**
7.0 or equivalent (minimum element scores apply).

**Assessment**
Individual and group coursework, examination and dissertation.

Further information
www.lancaster.ac.uk/lums/amm

This programme is for graduates with significant academic or work based experience of marketing who are seeking to enrich their existing knowledge, and build a base for successful careers in industry or the public services, or for further study (PhD).

Our students develop the crucial marketing management skills of critical integrative thinking and collaborative working within a curriculum focused on the integration of theory and practice. Throughout the programme you will continually confront ‘real’ world issues in marketing.

Joly Zou
MSc Advanced Marketing Management

“This MSc programme did not disappoint me. Advanced students are able to gain deeper knowledge in marketing; it is carefully designed for future market leaders, and covers all essential fields in marketing. The professors are knowledgeable and helpful. During the course, I met great people from all over the world, and worked with them in different groups. I also made some lifetime friends here.

The knowledge, skills and experience I got from the programme prepared me for the real business world, and helped me to get a position in Nokia’s global marketing team. All of these are still helping me during my day to day work.”
Our MSc is unique and the class size is tightly controlled to enable the staff-student and student-student contact necessary for the forms and processes of learning required.

The programme has been approved and accredited by the Chartered Institute of Marketing to provide direct entry onto the CIM’s Professional Postgraduate Diploma in Marketing.

**Compulsory modules**
- Marketing in Practice
- Researching Markets and Marketing
- Developing a Critical Understanding of Marketing (Consumer, Business to Business and Product, Service Systems)

**Optional modules**
- Brand Management
- Business Models and Market Makers
- Brand Communications
- Digital Marketing
- Managing Marketing Channels
- Managing Prices and Profits

Following the taught modules each student carries out an individual in-depth piece of scholarly research and produces a dissertation, this is often based on a practical project conducted with a company or organisation.

**MRes in Advanced Marketing Management**

**Programme Director**
Dr Alan Gilchrist.

**Duration**
12 months full-time.

**Entry requirements**
An upper second class honours degree, or equivalent, in Marketing or with a substantial Marketing component. We will consider non-business related degrees for candidates with significant marketing work experience.

**IELTS**
7.0 or equivalent (minimum element scores apply).

**Assessment**
Individual and group coursework, examination and dissertation.

**Further information**
[www.lancaster.ac.uk/lums/mres-amm](http://www.lancaster.ac.uk/lums/mres-amm)

The MRes degree is based on the MSc in Advanced Marketing Management and shares the taught component with students from both programmes studying together. MRes students develop a scholarly research focused dissertation and/or doctoral research proposal.

To proceed on to the PhD programme at LUMS, students need to achieve a high standard (distinction) in the MRes. You will also need to have identified the availability of, and secured agreement from, an appropriate PhD supervisor. It can be particularly useful to align your MRes research with the areas of interest of the departmental staff.

**Jekatrina Rindt**
MSc Advanced Marketing Management

Lancaster University provided a perfect fit in many respects: apart from an excellent university ranking, Lancaster University Management School offered me a scholarship for the MSc and was the only university in the UK offering an intensive programme that actually meets the criterion of being “advanced”. It actively involves students in the most recent debates of marketing practice and research and manages to balance insights into B2C as well as the often neglected specifics of B2B marketing.

The AMM inspired and encouraged me to pursue the PhD which gives me today the opportunity to finally explore the problem I am most interested in within a vibrant, international and highly professional research community that challenges and supports my endeavours and is a perfect platform for future work in business or academia.

**Key fact**
The Complete University Guide has ranked The Marketing Department as number one in the UK for two years running.
Organisation, Work and Technology

The Department of Organisation, Work and Technology was founded in 1969 in response to a growing recognition of the importance of the study of people in organisations.

With 18 full-time academic staff this is a multidisciplinary group of social scientists dedicated to research and teaching in the interconnected areas of work, organisations, and management in the twenty-first century.

We have a wide array of expertise in human resource management (HRM), information systems, knowledge management (KM), organisation theory, social psychology and sociology. Our thematic interests include the form and structure of organisations and organising in the twenty-first century; globalisation and the cultural and political economy of contemporary work; HRM and employment relations; and, the social, economic, ethical and political factors shaping the processes through which technologies are constructed and used for managerial and organisational purposes.

The distinctive philosophy and ethos towards the study of management and organisations has earned the Department international recognition and reputation.

Research degrees

MPhil/PhD

Doctoral Director
Professor Brian Bloomfield.

Entry requirements
An upper second class honours degree, or equivalent, in a Social Science subject.

IELTS
7.0 or equivalent (minimum element scores apply).

Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/lums/owt/research/phd

We have established an excellent reputation for interdisciplinary research. Our doctoral programme is a central feature of our provision and we strive to make it a substantial, vibrant and rewarding experience for postgraduate students.

We welcome PhD and MPhil proposals from students focused on any of our areas of research interest, and are keen to support the development of research proposals from an early stage.

We offer excellent postgraduate student support. Supervision is an essential aspect of the research relationship and we always have two members of staff involved with each doctoral student. The Department also organises a series of weekly seminars with leading national and international academics and encourages students to organise annual working conferences at which they can present and develop their own work.

Our research interests cover a variety of aspects of contemporary work, management and organisations.

We study the relationships between HRM and KM processes, as well as between globalisation and work in the knowledge economy. We systematically investigate processes of organisational change and their relationships with information technology, as well as the complex issues of business ethics and corporate governance.

We have a strong interest in the theoretical frameworks through which work organisations are analysed and the implication of such theories. Also important to us are the broader social, ethical and environmental concerns raised by the intersection of contemporary economic, cultural, organisational and managerial practices. We organise our research in interdisciplinary strands and the crossovers of staff between them provide the Department with a coherent focus.
Our research interests

Organisation Studies: we have a long established international standing for our scholarly and critically informed analysis of diverse managerial practices in a variety of empirical settings.

HRM, Work and Globalisation: as the societal power of HRM has consolidated since the 1980s, our research focuses on the relationships between work, organisational structures and cultures, and the social reproduction of identity through new kinds of people management practices with an increasingly global reach.

Technology and Organisation: this strand of our research is located in our Centre for the Study of Technology and Organisation. This is the single biggest grouping of researchers in the field of Technology and Organisation Studies in the UK and internationally.

Management and Society: this area of research is concerned with broader societal concerns raised by contemporary organisational and managerial practices with specific reference to governance, ethics and the environment.

Research degrees
- MPhil/PhD

Taught programmes
- MSc in Human Resource and Knowledge Management
- MSc in Politics, Philosophy and Management
- MSc in International Executive Management

Number of postgraduate students
406

Head of Department
Professor Theo Vurdubakis

Postgraduate enquiries
Tel: +44 (0)1524 592312
Fax: +44 (0)1524 594060
Email: owt@lancaster.ac.uk
www.lancaster.ac.uk/lums/owt/
**Taught programmes**

**MSc in Human Resource and Knowledge Management**

**Programme Director**
Dr Pete Thomas.

**Duration**
12 months full-time.

**Entry requirements**
An upper second class honours degree, or equivalent, in a relevant subject for example Management and Business Studies, Social Sciences (e.g. Sociology, Psychology, Politics, International Relations or Applied Social Science) History, Geography, Philosophy, English, Languages, Arts or other Humanities. Applicants with relevant work experience from other degree disciplines are encouraged to apply.

**IELTS**
7.0 or equivalent (minimum element scores apply).

**Assessment**
Coursework, examination and dissertation.

**Further information**
www.lancaster.ac.uk/lums/hrkm

The MSc offers in-depth analyses of the key themes in twenty-first century management: Human Resource Management (HRM), Knowledge Management (KM), and Change Management. Contemporary organisations see these as vital dimensions of competitive advantage in an increasingly fast changing global economy.

As human creative and innovative resources are seen as the foundation of organisational and individual performance, management’s main aspiration in successful global and local organisations is the mobilisation of people and knowledge. As global market pressures increase steadily, the effectiveness of management and organisations depend upon their human and knowledge resources.

The MSc provides you with a deep understanding of these essential themes and equips you for a career in a critical position in contemporary management. Graduates of the programme have entered a wide variety of jobs in the private and public sector, including management and consultancy positions in human resource management, knowledge management, or general management. Others have moved into roles in purchasing, sales and retailing, taken up local and central government posts, or pursued careers in higher education.

**Modules**
- Human Resource Management: Contexts, Controversies and Critiques
- Human Resource Management II: The Rise and Growth of HRM Theories and Techniques
- Introduction to Knowledge Management
- Knowledge Management as Social Practice: Global, Ethical and Cultural Issues
- Organisations in the 21st Century
- The Management of Organisational Change
- The Rise of Management Ideas and Concepts
- Analysing Management Practices
- Quantitative Methods in Management Practice

**MSc in Politics, Philosophy and Management**

**Programme Director**
Dr Pete Thomas.

**Duration**
12 months full-time.

**Entry requirements**
An upper second class honours degree, or equivalent, in any Arts or Social Science discipline, including Business and Management.

**IELTS**
7.0 or equivalent (minimum element scores apply).

**Assessment**
Coursework assignments, group projects, formal examinations and dissertation.

**Further information**
www.lancaster.ac.uk/lums/ppm

Management School – Organisation, Work and Technology
This ground-breaking new programme, taught jointly by the Department of Organisation, Work and Technology and the Department of Politics, Philosophy and Religion, is unique in Europe in bringing together the important areas of politics and management with an interdisciplinary lens. It enables you to develop a sophisticated understanding of social, political, organisational and managerial processes – and of the connections between them.

It provides an ideal foundation for careers in all kinds of cross-national organisations – from multinational companies to NGOs or international bodies such as the European Union or United Nations.

You can choose one of four pathways through the programme:

- International Relations and Management
- Philosophy and Management
- Politics and Management
- Politics, Philosophy and Management

Each involves a mix of compulsory and optional modules; for further details, see the programme website. The last element of the programme is a substantial research project and dissertation.

**International Masters in Practicing Management (IMPM)**

**MSc in International Executive Management**

**Programme Director**
Professor Lucas Introna.

**Duration**
24 months part-time (modular).

**Entry requirements**
Minimum of ten years of work experience including extensive managerial experience.

IELTS
7.0 or equivalent (minimum element scores apply).

**Assessment**
Reflective papers after each module and major paper.

**Further information**
www.impm.org

The IMPM is an international leadership programme designed for highly experienced managers and entrepreneurs. Focusing on an innovative, collaborative learning approach, or managerial mindsets, participants are encouraged to explore and gain a true appreciation of different perspectives as each module is delivered over a ten day period in different countries (UK, Canada, India, China and Brazil). Participants also undertake a managerial exchange where they spend a week observing their co-participant in action, focusing on the process of management.

Participants who successfully complete the five modules and managerial exchange may elect to undertake a further major paper of dissertation length to be awarded a MSc International Executive Management.

**Modules**
- Managing Self: The Reflective Mind-set
- Managing Organisations: The Analytic Mind-set
- Managing Context: The Worldly Mind-set
- Managing Relationships: The Collaborative Mind-set
- Managing Change and Continuity: The Action Mind-set

Choosing LUMS is one of the best decisions I have made – the programme has really helped me gain an in-depth understanding of HR and KM. The teaching differs a lot from other universities in the UK.

Naginlal Modi employed with Arriva North London

For more information please go to www.lancaster.ac.uk
Faculty of Science and Technology

The Faculty of Science and Technology is a vibrant and active community of people with big ideas. We have innovative ways of teaching, new Masters degrees to help you build your career, a range of ways in which you can study for your doctorate, and new labs and buildings to work in.

During the last year, the Faculty has attracted more than £18m in research income. We have received grants from international organisations such as the European Commission, NATO and European Space Agency; from UK Government departments such as the DTI and DEFRA; UK research councils, national agencies (Environment Agency, Health and Safety Executive); as well as the Royal Society and British Academy, major medical funders and charities (NHS Executive, Wellcome Trust and NW Cancer Research Fund).

Our business partnerships provide postgraduate students with valuable opportunities to gain experience of working with a business while studying. Science and Technology staff have developed strong relationships with business to ensure that your learning is relevant and innovative. Major companies such as Unilever and BP have invested in our projects and supported our work and we have an established business partnership and enterprise programme across the faculty – over 2,250 small and medium enterprises since 2005. We also house over 40 technology and environmental businesses on campus in InfoLab21 and in the Lancaster Environment Centre (LEC). A postgraduate qualification in science and technology is the ideal launch pad for your professional career in the UK or overseas.

Science and Technology at Lancaster University puts emphasis on interdisciplinary working approaches. It is common for students’ research projects and Masters programmes to cross traditional subject boundaries, to gain new insights into problems that are too complex for any single discipline to tackle. For example, the MSc in Data Science is providing a holistic view as to how to make sense of the worldwide deluge of available data by drawing upon expertise from the departments of Mathematics and Statistics, the School of Computing and Communications, and LEC. Our PhD in Natural Sciences offers the chance for research students to facilitate and enhance cross-disciplinary interactions within Science and Technology.

Dean of Faculty
Professor Mary Smyth
Associate Dean for Postgraduate Studies
Dr Chris Edwards
Associate Dean for Research
Professor Jamshed Anwar
Number of postgraduate students
594 Research
322 Taught
Departments
170  Chemistry
175  Computing and Communications
181  Engineering
188  Lancaster Environment Centre (LEC)
204  Mathematics and Statistics
210  Physics
215  Psychology

For more information please go to www.lancaster.ac.uk
Chemistry

The newly-founded Department of Chemistry boasts an expanding team of research-active staff at the forefront of research in their respective fields. It benefits from a significant investment from the University, and an extensive array of new instrumentation and equipment to support its ambitious research activity.

As part of the University’s investment in Chemistry, we have a major building redevelopment programme that will provide the Department with new, extensively equipped synthetic, physical and computational research laboratories, data analysis suites, and a major new spectroscopy suite. A series of communal areas for use by both staff and students will form a major part of the new development.

We are also significantly expanding the range of instrumentation and equipment available for research, including investment in a host of NMR spectrometers, mass spectrometers, fluorimeters, x-ray diffractometers, and extensive facilities for analytical, air-sensitive and computational chemistries. We also benefit from a local high-performance computing facility and Lancaster’s membership of the N8 group of Universities, providing us access to additional facilities.

Research degrees

PhD

Entry requirements
Upper second class undergraduate or Masters degree in Chemistry, or an equivalent degree in a related discipline such as Physics or Chemical Engineering, appropriate to the proposed research project.

IELTS
6.5 or equivalent (lower grade admissions may be possible via separate pre-sessional English courses).

Assessment
Original research and thesis.

Further information
www.chemistry.lancs.ac.uk

We welcome applications from those seeking to perform leading fundamental and technologically relevant research for the degree of PhD. Research opportunities are available within each of our research areas, which are broadly categorised as analytical chemistry and spectroscopy; chemical biology and soft-matter; chemical theory and chemical computation; energy materials, catalysis and sustainable chemistry; supramolecular and structural chemistry; and synthetic chemistry.
Our PhDs, whilst predominantly research based, are supported by a selection of taught courses providing skills in many modern research techniques, including analytical chemistry, experimental design, advanced laboratory techniques, spectroscopy and computational chemistry, together with courses to develop your transferable skills. This ensures that our postgraduate students extend their knowledge of all areas of chemistry, and possess a wide range of skills to aid employability.

Chemistry at Lancaster prides itself in its research transcending traditional discipline boundaries, for example linking with Biology and Medicine, Engineering, the Lancaster Environment Centre, and Physics. The Department is a friendly, inclusive environment that actively encourages collaboration with other members of Chemistry, with other disciplines within the University, and the global community, enabling us to tackle real-world applications in unique ways.

You should feel free to contact us with any enquiries about our research, and about the possibility of undertaking a research degree here in Lancaster. If you have a particular project in mind, please feel free to contact directly the appropriate member of staff.

As our team of academic staff is set to expand over the coming months and years, further research opportunities may become available. You should check the Chemistry Department’s website for current information on our staff and the potential research projects we offer.
Research degrees (continued)

PhD in Natural Sciences

Entry requirements
Upper second class undergraduate or Masters degree in Chemistry, or an equivalent degree in a related discipline such as Biochemistry, Biophysics, Physics, Computation or Chemical Engineering, appropriate to the proposed research project.

IELTS
6.5 or equivalent (lower grade admissions may be possible via separate pre-sessional English courses).

Assessment
Original research and thesis.

Further information
www.chemistry.lancs.ac.uk

This new course offers an academic training route for graduates seeking to perform leading fundamental and technologically relevant research that transcends the traditional discipline boundaries, linking one or more other disciplines with Chemistry. Options include Biology and Medicine, Computation, Engineering, Physics and the Lancaster Environment Centre. This course is particularly suitable for students who wish to specialise in disciplines other than their primary chosen background, but do not want an award in the new traditional discipline.

A substantial amount of research both at the national and international level is interdisciplinary, addressing research questions that fall between the boundaries of traditional disciplines. Indeed real world problems tend to require a multi-disciplinary approach and research expertise at the interfaces of these disciplines is essential to delivering impactful solutions. A PhD award in Natural Sciences will capture and give expression to such research training, giving graduates a competitive advantage in the careers market place. Career opportunities exist right across the scientific spectrum including industry, academic and research institutions, and public sector organisations such as schools and science laboratories.

The PhD, whilst predominantly research based, will be supported by a selection of taught courses across the relevant disciplines, including lectures, seminars and workshops, providing skills in many modern research techniques in the physical and biological sciences.

MSc in Chemistry (by research)

Entry requirements
Upper second class undergraduate or Masters degree in Chemistry, or an equivalent degree in a related discipline such as Physics or Chemical Engineering, appropriate to the proposed research project.

IELTS
6.5 or equivalent (lower grade admissions may be possible via separate pre-sessional English courses).

Assessment
Original research and dissertation.

Further information
www.chemistry.lancs.ac.uk

Our new Masters by research programme provides the opportunity to undertake a short, in depth independent research project in one of our research groups. It will equip you for more sustained and original work at the doctoral level or for advanced-level applied research positions. This degree will develop relevant analytical and technical skills, together with transferable skills related to research, communication, problem solving, and independent working.

For information on possible projects, and for further details of our specific research interests, see the research interests section and also our Department website.
Our research interests

Research in the Department is broadly structured into a series of sub-disciplines or themes, some of which are focused around the underlying science, including synthetic chemistry; chemical theory and computation; and analytical chemistry and spectroscopy. The remainder of the sub-disciplines refer more to the applications of our research, currently energy materials, catalysis and sustainable chemistry; supramolecular and structural chemistry; and chemical biology and soft matter. Below is a brief outline of some of our current interests; due to the interdisciplinary nature of our research, many topics fall within several of our research themes, so please look carefully at all sections of the list. Prospective students may also suggest projects that are variations on those listed below, it is just a prompt to show where our interests and skills lie.

Analytical Chemistry and Spectroscopy: there are a diverse range of subjects that fall within the broad discipline of analytical chemistry at Lancaster; analytical spectroscopy, chromatography, mass spectrometry, electroanalysis, micro-separations, sensor design and lab-on-a-chip devices all feature as techniques that can facilitate the measurement of chemical parameters within the discipline. Applications are widespread and include: industrial process measurement and control, healthcare diagnostics, materials characterisation, forensics and security. At Lancaster, analytical chemistry is studied as a fundamental academic discipline, but is also applied to many applications that generate impact and that serve to enhance the quality of life.

A major focus of our spectroscopy research is in solid-state NMR spectroscopy, which is allied with a range of chemical, biophysical and molecular biology techniques, to study the structure and dynamics of protein assemblies and complexes. Current projects include investigating the structural features of protein-protein and protein-ligand interactions in biological membranes, and the molecular basis for protein self-assembly.

Another focus of our spectroscopy research is on the understanding, investigation and development of solar cells. In particular, possible projects involve development of low cost, high efficiency solar cells; photon management for efficient solar energy collection and photophysical properties of light harvesting structures.
Our research interests (continued)

Chemical Theory and Chemical Computation: theory and computational methods now go hand-in-hand with experiments, enhancing our molecular level understanding, rationalising experimental data and informing better and fewer experiments. Electronic structure theory involves the determination of the chemical and photo-physical properties of molecules or periodic solids using computational methods, from only knowledge of the constituent nuclei and electrons. The group is developing computational methods that are increasingly accurate and efficient. These methods can facilitate the design of molecules and materials for specific functions, including energy, catalysis, structural chemistry and spectroscopy. Moving up the scale, computational methods are being applied to molecular assemblies using molecular dynamics simulations and free energy calculations. Here the interest is in self-assembly, phase transformations and interactions between assembled structures, and how assembled structures can be perturbed or dissolved.

Possible research projects include:
- The prediction of phase behaviour and solubility from first principles
- Nucleation in soft matter, towards developing approaches to prevent amyloid formation in diseases such as Alzheimer’s, and in crystals
- Development of anti-nucleating agents
- Crystal engineering, including formation and stability of nanocrystals
- Development of new first-principles techniques in density functional theory
- Developing DFT for large biologically relevant systems
- Theoretical spectroscopy and improving accuracy for electronic excited state property prediction with applications in OLED design
- Modelling dispersion to accurately describe intermolecular interactions in applications such as protein folding
- The adiabatic connection approach to functional development
- Theoretical transition metal chemistry
- The prediction of the structure and properties of porous materials.

Synthetic Chemistry: synthesis underlies all aspects of chemistry; the design, creation and characterisation of molecules and materials are at the heart of our research activity across all areas of chemistry. The application of our synthetic research spans fundamental synthesis for the development of pharmaceuticals, the development of custom-designed polymers, and the development of lumophores with applications in biologically-targeted imaging agents.

Potential projects in these areas include:
- Organic synthesis
- Organic methodology development
- Catalysis
- Mechanistic chemistry
- Development of novel organic reaction methodologies
- Asymmetric synthesis and catalysis
- Organometallic chemistry and catalysis
- Palladium-catalysed coupling reactions
- Catalytic decarboxylative cross-coupling reactions
- Investigation of organometallic reaction mechanisms
- Medicinal chemistry
- Natural product synthesis
- The development of new methods and strategies for polymer synthesis
- Synthesis of alternating copolymers
- Catalytic synthesis of polymers
- Synthesis of biodegradable polymers
- Coordination chemistry of early transition metals
- Early transition metal organometallic chemistry
- Development of mid-to late- transition metal complexes for cell imaging applications
- Tuning the properties of imaging agents to target biological targets
- Synthesis and spectroscopic studies of lumophores based on early transition metals for applications in imaging, photovoltaic and light-emitting applications
- Molecular cages for the delivery of small molecules or ions to cells or biological compartments for imaging and therapeutic applications.
School of Computing and Communications

The School of Computing and Communications is home to the University’s world class research and teaching activities in the areas of Computer Science, Communication Systems and ICT.

The School offers an extensive range of high quality options for postgraduate study. With 45 academic staff, 39 researchers and 400 students (approximately 200 of which are enrolled on postgraduate programmes) the School provides a vibrant learning environment built on an internationally renowned research portfolio.

Your postgraduate studies will place you in the heart of an academic unit ranked tenth in the UK in the most recent Research Assessment Exercise (100% of our output was identified in the RAE as being of international quality). Our latest teaching quality review received the highest possible ranking.

You will experience high quality tuition from globally recognised academics including individual supervision and mentoring. Combined with state-of-the-art teaching spaces and laboratory resources, our extensive PhD programme and unique range of one year MSc courses will ensure that you work at the highest level possible.

Our partnerships with industry and commerce are exemplary and you can benefit from organised placement activities within our flagship MSc programmes. Additionally, internships and project/dissertation placements are available alongside opportunities for part-time employment.

A range of funding opportunities are typically available for a number of our postgraduate degrees. Please visit our website for up-to-date details: www.lancs.ac.uk/study/postgraduate/postgraduate-fees-and-funding

Whatever your career aspirations our open door policy means that our dedicated academic staff are always on hand to help you realise them. We look forward to welcoming you to your future at Lancaster.

Research degrees
- PhD
- MSc by Research

Integrated degrees (1+3)
- PhD (HighWire)

Taught programmes
- MSc in Computer Science
- MSc in Communication Systems
- MSc in Cyber Security
- MSc in Data Science
- MSc in E-Business and Innovation
- MSc in International Innovation (Computer Science)

Number of postgraduate students
200

Head of School
Professor Jon Whittle

Course enquiries
Tel: +44 (0)1524 510311
Email: scc-msc-enquiries@lancaster.ac.uk
www.scc.lancs.ac.uk

Research enquiries
Tel: +44 (0)1524 510515
Email: scc-phd-enquiries@lancaster.ac.uk
www.scc.lancs.ac.uk
Research degrees

PhD

**Director of Studies**
Dr Gerald Kotonya.

**Entry requirements**
Upper second class honours degree, or its equivalent, in Computing, Electronics/Electrical Engineering, Mathematics or a closely related discipline.

**IELTS**
6.5 or equivalent.

**Assessment**
Original research and thesis.

**Further information**
www.scc.lancs.ac.uk/phd

We welcome applications from well qualified, able and enthusiastic students for PhD (three years full-time, four to six years part-time) in any of our research areas.

We recommend that you visit our website to read the latest information about our projects and research areas. Here you will also find details on preparing proposals, on contacting individual staff and on funding.

Under individual supervision you'll work to become a leading expert in your area, while research skills courses will support your learning and help you realise your maximum potential. Annual progress review panels keep your work on track and our seminar programmes and state-of-the-art facilities provide access to ideas and technologies that stimulate your development as a research scientist.

There are numerous opportunities to collaborate and to present your research nationally and internationally via our extensive research and industrial partnerships. Also, you may have the opportunity to work as a teaching assistant on our taught programmes; a valuable source of experience and income.

MSc by Research

**Director of Studies**
Dr Gerald Kotonya.

**Duration**
12 months full-time, 24 months part-time.

**Entry requirements**
Upper second class honours degree, or equivalent.

**IELTS**
6.5 or equivalent.

**Assessment**
Learning contract, literature review and dissertation.

**Further information**
www.scc.lancs.ac.uk/phd

The MSc by Research programme can be tailored to your individual research needs.

You will first take an induction course leading to the production of a learning contract with a research supervisor and subsequently develop a research proposal that forms the basis of the rest of your study.

You will then progress to a period of independent research project work and complete a project dissertation. Upon successful completion of the MSc, you will have clearly demonstrated your ability to meet the required high levels of technical professionalism.
Our research interests

The work of the School of Computing and Communications spans five major sub fields of research:

- Communications and Networking
- Computer Systems
- Intelligent Systems
- Software Engineering
- Human-Computer Interaction

Across all activities, our research shares a strong engineering ethos that emphasises an understanding of real-world challenges and focuses on the development and experimental evaluation of systems.

Our research is supported by grants from the UK Research Councils, the European Commission and industrial sponsors. The total value of our current grants exceeds £12m.

Our grant portfolio reflects our commitment to collaborative research, including international research. We attract more funding per staff member for Computing and Communications research from Europe than any other university in the UK.

We are actively engaged in interdisciplinary research in areas ranging from signal processing and wireless networking to innovative user interaction, software engineering, cyber security and natural language processing.

In addition to our focused academic research, we believe in conducting research in partnership with end users and industry. We have research projects in many areas including health transport; energy management; online security, crime fighting, counter terrorism; environmental informatics, emergency response and computing for energy conservation. This has led to the establishment of numerous test beds and long term deployed ‘Living Laboratories’ with real communities (e.g. Wray wireless-mesh, e-Campus interactive public displays). These serve as unique resources for conducting novel research and supporting teaching.

Integrated degrees (1+3)

HighWire: Creating Innovative People for Radical Change in the Digital Economy

Director of Studies
Professor Gordon Blair.

Discipline specific advice
Professor Gordon Blair (Computing and Communications); Dr Paul Coulton (Design); Dr Mike Chiasson (Management).

Entry requirements
Upper second class honours degree or Masters degree, or equivalent, in one of the following disciplines; Computing, Design or Management.

IELTS
6.5 or equivalent.

Assessment
Original research and thesis.

Further information
http://highwire.lancs.ac.uk

HighWire is a world-class, cross-disciplinary and user centric Centre for Doctoral Training which brings together Lancaster’s extensive expertise in Computing, Design and Management.

We go beyond multidisciplinary approaches by seeking a creative fusion between three key disciplines, aiming to produce a new breed of innovative people who are able to drive exciting advances in technical, design and business innovation.

The programme’s continuing relevance is ensured by our close alignment with the needs and goals of business and industry. We encourage technology exchange and early adoption of emerging technologies, processes and ideas. HighWire graduates can work in challenging roles in organisations, driving radical change in the digital economy.

The programme spans four years beginning with formal and practical training, leading to a Masters of Research (MRes) and then progressing to PhD study.

For more information on Lancaster’s Centres for Doctoral Training, please see page 24.
Taught programmes

MSc in Computer Science

Director of Studies
Dr Andreas Mauthe.

Duration
12 months full-time, 24/36 months part-time.

Entry requirements
Second class honours degree, or its equivalent, in Computer Science or a closely related discipline. Relevant industry experience may be considered.

IELTS
6.5 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.scc.lancs.ac.uk/masters/ComputerScience

The Computer Science MSc has been fully redesigned to specifically meet the needs of contemporary industrial and research practices. Through a broad yet rigorous academic programme, combined with an organised work experience placement, this programme provides a unique route to an advanced industry or research career.

Modern computing is characterised by its massive scale, its highly interconnected nature and its socially oriented user interaction techniques. Under the guidance of the School’s internationally renowned academic staff, you will learn about the design and development of computer systems, with both technology and users in mind, and gain expertise in subjects such as Cloud Computing, Big Data and Data Mining, Enterprise Architectures and Interaction Design.

You will study the design and construction of systems in terms of their architecture and integration, the challenges that the proliferation of data poses, how to model and represent data using semantic web technologies, how to use data mining and machine learning techniques for tasks such as social network analysis and recommender systems, and how information can be presented in a manageable form on a range of devices including smartphones and tablets.

The degree also provides a fully organised work placement in either industry or research. Our dedicated Knowledge Business Centre maintains links to over 500 partner companies to ensure students who wish to do so can apply their knowledge and skills in a real-world industrial capacity. Alternatively, you can engage with our internationally renowned research groups within the School, thereby gaining expertise and insights into state-of-the-art research.

Core modules
- Elements of Distributed Systems
- Advanced Human-Computer Interaction
- Data Mining
- Systems Architecture and Integration
- Advanced Human-Computer Interaction II
- Applied Data Mining
- Professional and Research Methodology
- Research or Industrial Placement
- A Research or Industrially Focused Dissertation

MSc in Communication Systems

Director of Studies
Professor Qiang Ni.

Duration
12 months full-time, 24/36 months part-time.

Entry requirements
Second class honours degree, or its equivalent, in Electronic/Electrical Engineering, Physics or Mathematics. Relevant industry experience may be considered.

IELTS
6.5 or equivalent.

Assessment
Coursework, exams and dissertation.

Further information
www.scc.lancs.ac.uk/masters/CommunicationSystems

This course is primarily concerned with providing graduates with the specialist skills associated with next generation digital telecommunications such as WiMAX and Long Term Evolution (LTE) wireless broadband communication systems, IP Multimedia Subsystem (IMS), MIMO systems, space-time coding, software defined radio, and reconfigurable analogue and digital RF systems. It also provides knowledge and skills in the general use of DSP techniques in many different areas including robotic, autonomous, medical, geophysical, aerospace, automotive and environmental systems.
The degree also provides a fully organised work placement in either industry or research. Our dedicated Knowledge Business Centre maintains links to over 500 partner companies to ensure that students who wish to do so can apply their knowledge and skills in a real-world industrial capacity. Alternatively, students can engage with our internationally renowned research groups within the School, thereby gaining expertise and insights into state-of-the-art research. Graduates from this course are actively sought after by employers in high technology industries.

Core modules
- Digital Communications
- Advanced Communications
- Speech and Image Coding
- Digital Signal Processing
- Wireless Broadband
- Advanced Filters and Systems
- Professional and Research Methodology
- Research or Industrial Placement
- A Research or Industrially Focused Dissertation

MSc in Cyber Security

Director of Studies
Professor Awais Rashid.

Duration
12 months full-time,
24/36 months part-time.

Entry requirements
Second class honours degree, or its equivalent, in Computing or a closely related discipline. Relevant industry experience may be considered.

IELTS
6.5 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.scc.lancs.ac.uk/masters/CyberSecurity

The overall aim of this MSc is to equip you with the knowledge and skills necessary to work within the IT security profession. It takes advantage of Lancaster having recently been awarded the highly prestigious status of an EPSRC-GCHQ Academic Centre of Excellence in Cyber Security Research, and combines advanced technical skills with disciplines such as Economics, Risk Management, Psychology and Social Science. Its strength and uniqueness lies in its multidisciplinary nature, merging expertise from across Lancaster’s faculties to educate the next generation of security specialists.

The technical modules within the degree offer the skills and knowledge required to enable students to obtain the industrially recognised professional qualifications of CISSP (Certified Information Systems Security Professional), CEH (Certified Ethical Hacker) and CHFI (Computer Hacking Forensic Investigator).

Core modules
- Information System Security Management
- Information System Penetration and Countermeasures
- Information System Forensic Investigation
- Information System Risk Management
- Cybercrime
- Introduction to Law for Cyber Security Specialists
- Network and System Security
- Security and Conflict in the Digital Age
- A Research or Industrially Focused Dissertation
**MSc in Data Science**

**Director of Studies**
Dr Matthew Rowe.

**Duration**
12 months.

**Entry requirements**
A second class honours degree, or its equivalent, in a subject relevant to Computer Science, Mathematics or Statistics.

IELTS
6.5 or equivalent.

**Assessment**
Coursework and examination.

**Further information**
www.scc.lancs.ac.uk/masters/DataScience

This MSc programme is aimed at students who are interested in the cross-over between data analysis, computing and application. Students could, for example, hold a BSc in Mathematics and Statistics, a BSc in Ecology or Environmental Sciences, or a BSc in Computing, but backgrounds in other STEM (science, technology, engineering or maths) subjects are welcome to apply.

Within the programme, two specialism routes are available, statistical inference and computing.

**Statistical Inference Specialism**
A data scientist is a highly skilled individual with the ability to: articulate a research question; gather, process and model data at large-scale (developing scalable algorithms for performing inference and modelling complex and heterogeneous data structures) and to disseminate research findings in context.

This specialism provides a thorough training in data science fundamentals but with added focus upon statistical modelling and inference. Students will gain thorough training in computing, data science technologies, statistical inference, statistical modelling and applied data analysis. The MSc will involve a mixture of taught modules and a research dissertation with a placement in industry or with a research organisation.

**Computing Specialism**
Underpinning the data scientist role are the technologies that enable the processing of data at large-scale, often using parallel processing paradigms.

This specialism provides the training to understand how these technologies function and how they are implemented within both enterprise and research environments. Students will get hands-on experience of building, from scratch, large-scale systems that enable data science questions to be answered, using technologies such Hadoop, Spark, Giraph, and HBase. This MSc will involve a mixture of taught modules and a research dissertation with a placement in industry or with a research organisation.

**MSc in E-Business and Innovation**

This is a collaborative scheme run jointly by the School of Computing and Communications and the Lancaster University Management School. Please see the Management School entry on page 139 for information.

**MSc in International Innovation (Computer Science)**

Please see the Management School entry on page 148 for information.

---

**Key facts**

The School of Computing and Communications is a world renowned centre of excellence for research, ranked amongst the top ten in the UK in the most recent assessment (RAE 2008). We attract more funding per staff member for Computing and Communications research from Europe than any other university in the UK.

Our flagship MSc Programmes offer fully organised industry placement opportunities to all students. The School’s Knowledge Business Centre will work with you to find the right match to its network of over 500 partner companies.
Engineering
The Engineering Department specialises in multidisciplinary engineering research, particularly in the areas of energy, nuclear engineering and microsystems, and has close links with many industries.

The Department has expanded substantially since 2001 with subsequent research valued in excess of £6.5m. Support of students and research is obtained from a wide range of sources including Engineering and Physical Sciences Research Council (EPSRC), European Union (EU), Science and Technology Facilities Council (STFC), Technology Strategy Board (TSB), Charitable Foundations, Knowledge Transfer Partnerships (KTP) and industry. The Department continues to grow significantly with the construction of a new building in 2014. This will provide students with access to state-of-the-art teaching and research facilities.

In the 2008 Research Assessment Exercise, 100% of the research outputs from Engineering were judged to be internationally recognised. The Department is home to a number of dedicated research centres including the Lloyd’s Register Foundation Centre for Nuclear Engineering and Decommissioning and the Lancaster Product Development Unit. Engineering also coordinates the cross-disciplinary research activity in energy, via Energy Lancaster, which is a founder member of the Cockcroft Institute for Particle Accelerator Engineering and is part of the EPSRC Next Generation Nuclear Centre for Doctoral Training and Sir John Fisher Foundation MSc by research scholarship scheme.

Industry values this excellence and the Department is one of the top rated in the country for graduate employment success.

Research degrees
- MSc in Engineering (by Research)
- PhD in Engineering
- EngD in Nuclear Engineering

Taught degrees
- MSc in International Innovation (Engineering)
- MSc/PgDip in Mechanical Engineering
- MSc/PgDip/PgCert in Safety Engineering (part-time)
- MSc/PgDip in Smart Systems Engineering
- PgCert in Aerospace Safety Engineering (part-time)
- PgCert in Nuclear Science and Engineering (part-time)

Number of postgraduate students
110

Head of Division
Malcolm Joyce

Postgraduate enquiries
Tel: +44(0)1524 592275
Email: Eng-GradAdm@lancaster.ac.uk
www.engineering.lancs.ac.uk
Research degrees

MSc in Engineering (by Research)

Director of Studies
Individual supervisor.

Duration
12 months full-time,
24 months part-time.

Entry requirements
Upper second class honours degree, or equivalent, with strong evidence of excellence in research and writing.

IELTS
6.5 or equivalent.

Assessment
Interim reports with a final dissertation based on the research.

Further information
www.engineering.lancs.ac.uk

The Department has extremely good industry contacts and generates opportunities for short term industrial research projects, which can be linked to an MSc by Research in Engineering. These are ideal for students with industrial experience who wish to work in a specific area, and prefer flexibility to the taught MSc programmes.

Flexibility is the key to this programme. It begins with an induction that leads to a learning contract with a research supervisor and often an industry contact; this sets the direction of your research project work and identifies your research training needs. You then select from the research training programmes offered by the Faculty’s Graduate School to make sure that your skills are developed to meet your needs. Regular supervision and access to seminar groups, together with interim research reports, ensure good progress towards a final project dissertation.

The department has an annual MSc by Research scholarship scheme generously supported by the Sir John Fisher Foundation. This scholarship is open to students interested in nuclear or maritime engineering research.

PhD/EngD

Director of Studies
Individual supervisor.

Duration
3-4 years full-time,
4-7 years part-time.

Entry requirements
Upper second class honours degree, or its equivalent, in an Engineering or associated discipline. Relevant industrial or related experience will also be considered.

IELTS
6.5 or equivalent.

Assessment
Original research and thesis.

Further information
www.engineering.lancs.ac.uk

Applications for postgraduate study (full-time, part-time and industry based) by research, leading to either a PhD or EngD are welcomed. Research in the department is grouped into four main areas, each drawing on a range of different fields. The areas are:

- Structures and Manufacturing
- Micro-Nano systems
- Energy
- Engineering of Microwaves, Terahertz and Light (E-MIT)

The Engineering Doctorate (EngD) is an alternative to the traditional PhD for students who want a career in industry. A four-year programme combines PhD level research projects with taught courses. Please note that the EngD is dedicated to Nuclear Engineering.
Our research interests

**Nuclear Engineering:** this activity spans a broad range of interest from the radiation tolerance of electronic systems used in medical radiotherapy, leading to the development of instrumentation for radiation detection, through to materials characterisation and analysis, waste remediation and decontamination and the study of actinide chemistry.

**Control:** this includes research into modelling, control and optimisation of complex systems in engineering and the natural sciences; the design of control systems, with applied research spanning robotics; mechatronic systems engineering; environmental control; intelligent transportation systems; automation in agriculture and biomedical applications among other areas.

**Mobile Robots:** following on from the above, our research into mobile robots includes several international firsts in the area of construction and nuclear decommissioning robotics, such as our BROKK-based decommissioning robot, consisting of a moving vehicle with two, seven-function manipulators. This includes research into intelligent control for digging machinery, computer control, hydraulic actuators, sensor systems, drives, mechanism design, and the development of intelligent knowledge based systems.

**Advanced Structures:** we are a member of the North West Composites Centre. Our research includes reinforced polymer composites, and smart structures; analysis of the performance of structural grade GRP (Glass Reinforced Plastic) and HF (Hybrid Fibre) composite profiles, made by pultrusion (an efficient and economic composites manufacturing process); and, uses in secondary structures in aggressive environments. We also have a significant interest in Additive Manufacturing.

**Micro and Nanosystems Engineering:** our Micro and Nanosystems Engineering Research Group has research interests in system-on-chip and microsystem test and reliability engineering; integration of micro technologies into highly integrated systems; design methodologies and functions to aid manufacture of Micro and Nano Technology based systems; integration of test support functions into both system-on-chip applications and microsystem devices; design for micro and nano manufacture. Active projects in bio-MEMS related to integrated microfluidic sensor chip; design and test of data converters; novel modelling and design techniques for MEMS and modelling and analysis activities in nano electronic system design.

**Energy:** LUREG (Lancaster University Renewable Energy Group) covers a broad range of renewable technology areas. Specific expertise includes capturing the renewable energy of sea waves, tidal currents, hydropower and fluid machinery; wind power; electrical power systems and micro generation systems that could bring electricity to developing countries. The department also coordinates Energy Lancaster, a cross-disciplinary research group designed to tackle the global challenges of climate change by bringing together low carbon supply technologies.

**Engineering of Microwaves, Terahertz and Light (EMIT):** the EMIT research group has an international reputation for its work on RF systems for accelerators, vacuum electronics and high power microwave tubes. The group specialises in deflection and crab cavities for future high energy particle accelerators, synchrotron light sources and free electron lasers. The group has made novel contributions to the stimulation of travelling wave tubes, klystrons and magnetrons. It has demonstrated the use of an injection locked CW magnetron powering a superconducting cavity with accurate phase control. The group has a capability for design optimisation of specialist tubes, for example high efficiency broadband TWT amplifiers for next generation satellite communications systems, high efficiency multi-beam klystrons for future linear colliders, high power high efficiency CW magnetrons for long pulse proton drivers, compact X-band linacs for medical and security applications and high frequency tubes moving up the THz scale. The group has a developing activity in photonics.

Lancaster is a founder member of the Cockcroft Institute for Accelerator Science and Technology. Much of the group’s current work is done in close collaboration with the STFC Daresbury Laboratory, CERN in Geneva and JLab in the US. Internationally it has had recent and significant collaborations with the Stanford Linear Accelerator Laboratory (SLAC), Fermi-Lab and Central Electronics Engineering Research Institute in India (CEERI, Pilani). The group has long existing ties with the Beijing Vacuum Electronics Research Institute, the Beijing Medical Equipment Institute, the Institute of Electronics of the Chinese Academy of Sciences. Within the UK the group has industrial ties with E2V Technologies and Rapiscan Systems.
Taught programmes

MSc in International Innovation (Engineering)
Please see the Management School entry on page 148 for information.

MSc/PgDip in Mechanical Engineering
Director of Studies
Dr Sarah Green.

Duration
12 months full-time, 24 months part-time.

Entry requirements
Second class honours degree, or its equivalent, in Mechanical Engineering or related disciplines, or Physics. HND or equivalent together with appropriate industrial experience may be considered.

IELTS
6.5 or equivalent.

Assessment
Coursework and/or examination.

Further information
www.engineering.lancs.ac.uk

Mechanical Engineering is the basis of just about anything that has movable parts, which includes areas like transport (automotive, railway, aerospace), renewable energy, medicine and manufacturing. These areas will continue to be very important to the UK economy, and indeed to all developed economies.

The taught part of this course consists of six compulsory modules covering system design and modelling, mechanics, control, CAD/CAM, and renewable energy resources and devices. A major industrial project allows you to extend your knowledge by exploring an area that especially interests you, whilst giving experience of the way in which a complete product or process requirement in industry would be addressed.

The PgDip covers a selection of taught modules, with no individual dissertation. Students may progress to an MSc given good results.

Modules
- Intelligent System Control
- Mechanics and Actuators
- Advanced CAD/CAM
- Design and Modelling of Systems
- Renewable Energy
- Linking Group Project

MSc/PgDip/PgCert in Safety Engineering
Director of Studies
Dr Richard Dawson.

Duration
24 months part-time (industry based).

Entry requirements
A second class honours degree, or its equivalent, in an Engineering discipline. HND or equivalent together with appropriate industrial experience may be considered.

UK/EU students only.

IELTS
6.5 or equivalent.

Assessment
Coursework and examination and a dissertation.

Further information
www.engineering.lancs.ac.uk

As engineering systems become more complex it is increasingly difficult to show that they will operate safely for their whole life. The programme addresses this problem by exposing students to the knowledge and techniques of safety engineering appropriate to a wide spectrum of industries.

It is suitable for those from a conventional engineering background who find themselves operating in a safety related industry, engineers in the early part of their careers, and those in senior management.

In addition to the generic safety modules, two modules deal with specific industries – Nuclear Engineering and Aerospace. Many high level industrial experts contribute to the course, as visiting speakers, and an important aspect of the course is a critical consideration of real accident case studies. Our graduates are much in demand.

The taught element of this course consists of eight modules in total; four per academic year. MSc students must submit an individual dissertation consisting of a substantial piece of literature-based research work in the area of study.

The PgDip and PgCert cover a selection of modules, with no individual dissertation. Students may progress to an MSc given good results.

Modules
- Engineering Research Methods
- Human Factors in Safety
- Nuclear Engineering Systems or Aerospace Engineering Systems
- The Design of Safety Critical Systems
- Nuclear Safety Environment or Aerospace Safety Environment
- Risk Analysis
- Strategic Safety Management

Optional modules
- Decommissioning Technologies
- Intelligent Control
- System Design and Modelling

Faculty of Science and Technology – Engineering
MSc/PgDip in Smart Systems Engineering

Director of Studies
Dr Julia Hu.

Duration
12 months full-time, 24 months part-time.

Entry requirements
A second class honours degree, or its equivalent, in a related Engineering discipline which may include Communications, Electrical Engineering, Computer Systems and Physics. A HND together with appropriate practical experience may also be acceptable.

IELTS
6.5 or equivalent.

Assessment
Combination of coursework and/or examination and a major project/dissertation.

Further information
www.engineering.lancs.ac.uk

Silicon based electronics and embedded software now pervades the systems and devices we use on a daily basis and is the key enabling technology for internet based systems, automation and vehicle systems.

Taking silicon based electronics to the next level by adding micro sensors, micro actuators, biology and novel materials is now one of the primary goals of engineers and scientists within the international electronics community.

Advances have already been made through, for example, the integration of gyroscopes into mobile phones and the use of silicon micro mirrors in high definition displays. However, further advances over the coming years are expected to revolutionise health care, environmental monitoring, and energy by way of hand held devices for rapid detection of cancers, low cost toxin detection, and miniaturised energy harvesters (to replace batteries).

This course will focus on these miniaturised systems which are able to describe and diagnose a situation, detect critical conditions, and identify and address each other. They may also be energy autonomous and networked. Students will learn how to design micro sensors and actuators that are interfaced to physical, biological, chemical, thermal or electromagnetic systems.

Students will also study: methods of building control loops and associated software; the design of analogue and digital electronic interfaces; and, the manufacture of novel packaging technologies. Applications in health care and medical diagnostics, automotive and aerospace, energy and environment, industrial control and consumer electronics will also be studied.

The dissertation will be on a major industrial project which will also allow you to extend your knowledge by exploring an area that especially interests you, whilst giving experience of the way in which a complete product or process requirement in industry would be addressed.

Modules
★ Smart Systems
★ Intelligent Control
★ Advanced Embedded Systems
★ Design and Modelling of Systems
★ Linking Group Project
★ Micro-System and System on Chip

PgCert in Aerospace Safety Engineering

Director of Studies
Dr Richard Dawson.

Duration
24 months part-time.

Entry requirements
Second class honours degree, or its equivalent, in an Engineering discipline. HND or equivalent together with appropriate industrial experience may be considered. UK/EU students only.

IELTS
6.5 or equivalent.

Assessment
Coursework and examination.

Further information
www.engineering.lancs.ac.uk

As for the MSc and PgDip in Safety Engineering this course is suitable for those from a conventional engineering background who find themselves operating in a safety related industry, engineers in the early part of their careers, and those in senior management.

However, this course is most suited for those who are aerospace safety engineering practitioners who may not require the larger qualifications but who want to concentrate on Aerospace Safety Engineering topics. The taught element of this course consists of four modules in total; two per academic year which is also a very suitable study rate for particularly busy professionals. Upgrading to the higher qualifications during the course of study is possible should students wish but this will extend the period of study.

Modules
★ Aerospace Engineering Systems
★ Aerospace Safety Environment
★ Systems Design and Modelling
★ Intelligent Control
Professor Malcolm Joyce  
Head of Department

The Engineering Department at Lancaster University is a dynamic general engineering environment where specialists in, for example, electronics, control and mechanical design work alongside each other, often on shared projects. We aim to impact the big questions that face our world today, appealing to current issues and agenda at UK and International level. Examples include our work on Homeland Security technologies, low carbon energy technologies, the design of future particle accelerators and pioneering research in the packaging of microelectronic systems. We collaborate widely both within the University and with other universities and international engineering companies.

PgCert in Nuclear Science and Engineering

Director of Studies  
Professor Malcolm Joyce.

Duration  
24 months part-time.

Entry requirements  
Second class honours degree, or its equivalent, in a related technological subject.

IELTS  
6.5 or equivalent.

Assessment  
Written examinations and assignments.

Further information  
www.engineering.lancs.ac.uk

This course offers an academic training route for graduates working in the nuclear sector. In addition, it provides scientists and engineers from a general non-nuclear background with specialist study in Nuclear Science and Engineering. In both cases, the course offers a potential future route to continue to masters’ level. The programme aims to provide students with a comprehensive background and introduction to the discipline of nuclear science and engineering, and to the nuclear engineering sector.

The course also covers nuclear engineering systems, including common thermal fission nuclear reactor designs; nuclear safety and the use of risk assessments; and nuclear decommissioning, including robotic systems and related technology. There is a focus on the UK and global nuclear industry, including the reasons for particular technology trends and the nature of regulation and culture in the industry. In addition, engineering science fundamentals are covered where appropriate for example thermodynamic efficiency and materials behaviour.

A wide range of learning and teaching strategies will be used to deliver these aims, including lectures, seminars, industrial site visits, group learning, directed reading and workshops.

With a buoyant engineering job market, the Postgraduate Certificate in Nuclear Science and Engineering will give individuals the opportunity to stand out from non-specialists.

Modules
- Nuclear Industry Foundations
- Nuclear Engineering Systems
- Nuclear Safety Environment
- Decommissioning Technology and Robotics
At the heart of our work is a fundamental commitment to research and teaching which delivers academic excellence and real world impact. We work to address some of the most pressing issues of the twenty-first century.

Our interdisciplinary research themes deliver the understanding needed to address the global environmental challenges that confront us all.

Postgraduate students are taught by and work with world-class scientists in a wide range of environmentally related disciplines, alongside over 20 environmental businesses, thereby enhancing their future employment prospects in the environment sector and beyond.

We regard practical study as a key means of learning and we are fortunate to have a variety of areas of scientific interest on our doorstep. Depending on your area of study you may have the opportunity for field work in the Lake District, Morecambe Bay or even further afield at Mount Etna in Sicily or in West Africa.

Enterprise and Business Partnerships provide a major focus for collaborative work with the commercial sector and we offer a Work Placement programme, which gives students the opportunity to gain real-world experience on a collaborative project with business. This experience often links to dissertations.

As well as excellent research opportunities we have a range of Masters programmes combining taught modules with a substantial research project, all grouped into thematic areas. These offer transferable skills suitable for research, consultancy and industry.

Key fact
Over 85% of our Masters graduates go on to employment or further study, with 14% undertaking further study.

Key fact
New courses, including collaborations with industry leading experts, are about to be launched shortly. Please visit our website for the most up-to-date course listings: www.lancaster.ac.uk/lec/postgraduate/
Julie Anna-Lize Terry
MSc Ecology and Conservation

Lancaster was my first choice due to the reputation of the Lancaster Environment Centre, and the flexibility of the programme. The choice of modules is great as you can tailor your Masters to your interests, and I’ve been able to focus on water pollution and processes. The field visits have been the most enjoyable part for me, and the one-week field course on Catchment Protection in the Eden Valley was intensive, but really valuable. As a mature student, studying at postgraduate level has been challenging at times, but I was able to change to part-time so that I could still work, and I’m definitely making the most of my course. I recently returned from a five-month Erasmus exchange programme in the Netherlands where I completed two of my optional modules. I’m now finishing my dissertation project as a student volunteer for The Centre for Ecology and Hydrology at Wallingford, working in the field and in the laboratory on the flow cytometer. For me though, the best part is that the Student Employability Manager at Lancaster has just helped me organise a paid internship at The National Institute of Water and Atmospheric Research (NIWA) in New Zealand to follow on from my MSc this year.

Research degrees
- MSc in Plant Sciences by research
- MSc in Ecology by research
- MSc in Environmental Science by research
- PhD in Biological Science
- PhD in Environmental Science
- PhD in Geography

Taught degrees
- LLM/MA in Environment and Law
- LLM/MA in Human Rights and the Environment
- MSc/PgCert in Contamination, Risk Assessment and Remediation
- MSc in Data Science for the Environment
- MSc/PgCert in Ecology and Conservation
- MSc in Energy and the Environment
- MSc in Environmental and Biochemical Toxicology
- MA/MSc/PgCert in Environment and Development
- MA/MSc in Environment, Culture and Society
- MA in Environmental Management and Consultancy
- MSc/PgCert in Environmental Science and Technology
- MSc in International Innovation (Environmental Science)
- MSc in Resource and Environmental Management
- MSc/PgCert in Sustainable Agriculture and Food Security
- MSc/PgCert in Sustainable Water Management
- MSc in Volcanology and Geological Hazards
- MSc (Research) International Masters in Environmental Science and Technology
- MSc (Research) International Masters in Sustainable Agriculture and Food Security

Number of postgraduate students
260

Director of Lancaster Environment Centre
Professor Kevin Jones

Postgraduate research enquiries
Andy Harrod
Tel: +44 (0)1524 510477
Email: lec.pg@lancaster.ac.uk
www.lancaster.ac.uk/lec/postgraduate/postgraduate-research

Postgraduate taught enquiries
Stacey Read
Tel: +44 (0)1524 510257
Email: lec.pg@lancaster.ac.uk
www.lancaster.ac.uk/lec/postgraduate/taught-masters

For more information please go to www.lancaster.ac.uk
Our research interests

Research within LEC is organised into several interdisciplinary research themes and within each theme there are many specialist research groups. These are headed by permanent staff and usually supported by post-doctoral research associates and technicians. You will become an integral part of these teams and benefit from intellectual and laboratory support. You will be allocated a supervisory team who will support you through your studies and you’ll meet regularly with your supervisors to discuss research progress and identify any gaps in skills. You’ll be part of the vibrant research environment, contributing directly to the research achievements of LEC.

Atmospheric Science: our research in atmospheric measurements, including remote sensing and the modelling of atmospheric processes from the local to global scale, is conducted in an Earth system or a “sustainable atmosphere” framework. Currently we focus on the emissions of volatile organic compounds produced by organisms, understanding their role in climate/land/atmosphere feedbacks, particularly those involved in surface energy balance and tropospheric chemistry. Our research delivers benefits by contributing to improved pollution control and possible options for mitigating climate change.

Biodiversity and Conservation: two of the most urgent environmental issues facing mankind are global change and the accelerating loss of biological diversity. Our research investigates how biodiversity influences the services provided by both natural and managed ecosystems (including food production), and how ecosystems can be managed to protect and enhance biodiversity under global change. We use a variety of perspectives, with studies ranging from fundamental evolutionary ecology to the interactions of social and ecological constituents in the Earth-system.

Earth Sciences: our core research areas are geological hazards, palaeoclimate, geophysical imaging, sedimentology, tectonics, and planetary geology. Our specific aims are to mitigate natural hazards through understanding the fundamental physical and chemical processes involved and to develop quantitative methods for characterising and monitoring geological environments and for palaeoclimate reconstruction.

Environmental Chemistry: our research aims to improve the fundamental understanding of how chemicals behave in the environment, whether they are natural or man-made, essential nutrients or potential pollutants. We work closely with policy makers to help them assess the risks and benefits of environmental chemicals, and with industry, helping to develop chemicals that achieve their purpose without causing harm to the environment or humans.

Plant and Crop Science: with the global population expected to increase to 9 billion by 2050, there is a pressing need to secure access to sufficient safe and nutritious food for everyone. We combine cutting-edge research in plant science, from the molecular to the crop scale, with other disciplines in both the natural and social sciences. By working closely with research users, our research has a clear, practical focus on sustainable agriculture and so can help address the ecological, economic and social challenges facing crop production in a rapidly changing global environment.

Society and Environment: we focus on the interdisciplinary investigation and critical analysis of contemporary social and environmental challenges in regions including Africa, the Americas, Australia, East Asia and the Middle East. Our theoretical interests are in: knowledge, expertise and governance; space, scale, time and socio-spatial relations; political economy; and socio-technical change. These concepts are explored through empirical research that seeks to contribute to the cross-cutting societal goals of sustainable development, social and environmental justice.

Water and Soil Sciences: our water research takes the latest discoveries in water science and works with the world-wide water industry, policy makers and others to deliver innovative solutions for a sustainable supply of clean water for everyone. Our soils research brings together the biological, chemical and physical aspects of soil sciences to obtain an integrated understanding of this vital environmental resource.
Research degrees

Research projects leading to the award of a PhD or Masters by Research are available in all areas of the Biological, Ecological, Geographical and Environmental Sciences within LEC.

MSc in Plant Sciences by research

MSc in Ecology by research

MSc in Environmental Science by research

Duration
12 months full-time,
24 months part-time.

Entry requirements
Upper second class honours degree, or its equivalent, in a relevant subject. Industry based experience will be considered, with demonstration of appropriate skills.

IELTS
6.5 or equivalent.

Assessment
Original research and dissertation.

Further information
www.lancaster.ac.uk/lec/postgraduate/postgraduate-research

These programmes are suitable for those wishing to carry out a short, in depth research project, and not attend taught programmes. The MSc by research programmes consist of induction courses, an eight month research project and a period to write it up.

These degrees are carefully tailored to your interests, and can be particularly suitable for people undertaking research in a work based context wishing to gain an academic qualification.

PhD in Biological Science

PhD in Environmental Science

PhD in Geography

Entry requirements
Upper second class honours degree, or its equivalent, in a relevant subject, or lower first degree supplemented by a Masters qualification, and a viable research topic.

IELTS
6.5 or equivalent.

Assessment
Original research and thesis/collection of published papers.

Further information
www.lancaster.ac.uk/lec/postgraduate/postgraduate-research

A great strength of LEC is its ability to share expertise and ideas from many disciplines in order to provide a flexible approach, which is so important in the dynamic, rapidly developing discipline of Environmental Science. Although the work is often organised within themes and research groups there is much collaborative activity transcending these boundaries.
Taught programmes

LLM/MA in Environment and Law

LLM/MA in Human Rights and the Environment

Please see entries under Law on pages 62 and 63.

MSc/PgCert in Contamination, Risk Assessment and Remediation

Director of Studies
Professor Kirk T Semple.

Duration
12 months full-time, 24 months part-time.

Entry requirements
Upper second class honours degree, or its equivalent, in a relevant subject. We can also consider applicants with a lower second class (or equivalent) if they have relevant work experience (including voluntary work).

IELTS
6.5 or equivalent.

Assessment
Coursework, presentations, examinations and dissertation.

Further information
www.lancaster.ac.uk/lec/postgraduate/taught-masters

This Masters scheme covers risk assessment and remediation and is supported by a cutting-edge research base. The scheme links with key agencies involved in studying and controlling this threat. Case studies are used extensively to illustrate the application of the taught material and specifically include detailed investigations into the risk assessment and remediation of contaminated land sites.

You will gain the scientific, analytical and communication skills required to prepare you for a career in remediation work with local authority and industry, with the Environment Agency, or in consultancy.

The PgCert provides an opportunity for postgraduate learning and professional development for those who are unable to commit to a full MSc programme. The award requires the successful completion of four 15 credit modules, selected from the modules available on the MSc course.

Core modules
- Behaviour of Pollutants in the Environment
- Dissertation Project
- Chemical Risk Assessment
- Contaminated Land and Remediation
- Pollution Microbiology

Optional modules
Two optional modules from the following (subject to change)
- Data Analysis and Interpretation
- Data Analysis and Programming Skills
- Data Assimilation and Integration
- Environmental Applications of Isotope Geochemistry
- Environmental Radioactivity
- Environmental Sampling and Analysis for Trace Organics
- Environmental Toxicology
- Geoinformatics
- Numerical Skills
- Safety and Environmental Impact Assessment: an Industrial Perspective

MSc in Data Science for the Environment

Director of Studies
Dr Ian Hartley.

Duration
12 months.

Entry requirements
Upper second class honours degree, or its equivalent, in a relevant subject.

IELTS
6.5 or equivalent.

Assessment
Coursework and examination.

Further information
www.lancaster.ac.uk/lec/postgraduate/taught-masters

This MSc programme is aimed at students with a background in environmental, earth or ecological sciences who want to develop strong quantitative, data handling and analytical skills for application within their field.

The production of data that are relevant to environmental issues is increasing at a phenomenal rate. Technological advances in fields such as remote sensing, imaging and forecasting are increasingly producing data from more sources and with higher resolution than we have been able to handle until recently. There is a need for data scientists who are able to organise, analyse and disseminate such data in order to answer questions which will help us manage a range of scenarios, from management of natural resources to predicting population change.

This programme will involve a mixture of taught modules and a research dissertation with a placement in industry or with a research organisation.
MSc/PgCert in Ecology and Conservation

Director of Studies
Dr Ian Hartley.

Duration
12 months full-time, 24 months part-time.

Entry requirements
Upper second class honours degree, or its equivalent, in a relevant subject. We can also consider applicants with a lower second class (or equivalent) if they have relevant work experience (including voluntary work).

IELTS
6.5 or equivalent.

Assessment
Coursework, presentations, examinations and dissertation.

Further information
www.lancaster.ac.uk/lec/postgraduate/taught-masters

This is one of our most popular postgraduate schemes.

At the heart of its success is flexibility of choice from a wide range of modules that meet the needs or interests of any student of ecological or conservation sciences. This vocational degree offers you the chance to blend ecological and environmental science topics with those from areas such as social science, geography, and statistics.

This MSc provides you with an understanding of the relationships between living organisms and their physical, chemical and biotic environment whilst also providing important specific skills related to environmental monitoring and management.

The course also develops transferable skills appropriate to a career in research, consultancy or industry. Graduates have gone on to pursue careers in the environmental and conservation sectors, as well as progressing to further study for a PhD.

The PgCert provides an opportunity for postgraduate learning and professional development for those who are unable to commit to a full MSc programme. The award requires the successful completion of four 15 credit modules, selected from the modules available on the MSc course.

Core module
- Dissertation Project

Optional modules
Six optional modules from the following (subject to change)
- Air Quality and Climate
- Biological Effects of Air Pollution and Climate Change
- Chemical Risk Assessment
- Conservation and Sustainable Development in the Brazilian Amazon
- Conservation Biology
- Contaminated Land and Remediation
- Crop Protection
- Data Analysis and Interpretation
- Data Assimilation and Integration
- Environmental Management
- Environmental Sampling and Analysis for Trace Organics
- Environmental Toxicology
- Food Security, Agriculture and Climate Change
- Geoinformatics
- Habitat Management
- Lake Ecology
- Modelling Environmental Processes
- Pollution Microbiology
- Sustainable Soil Management
- Using the NVC
- Wildlife Monitoring Techniques
- Wildlife Population Ecology
Taught programmes (continued)

MSc in Energy and the Environment

Director of Studies
Dr Andy Jarvis.

Duration
12 months full-time, 24 months part-time.

Entry requirements
Upper second class honours degree, or its equivalent, in a relevant subject. We can also consider applicants with a lower second class (or equivalent) if they have relevant work experience (including voluntary work).

IELTS
6.5 or equivalent.

Assessment
Coursework, presentations, examinations and dissertation.

Further information
www.lancaster.ac.uk/lec/postgraduate/taught-masters

In recognition of the threats presented by climate change, the UK has committed to an 80 per cent reduction in greenhouse gas emissions by 2050. Meeting this target will represent one of the grand challenges of the next 40 years and a large number of scientists and engineers will be needed to achieve this.

The changes required will cover our entire socio-economic system and will include widespread installation of renewable energy technologies, ubiquitous use of energy saving devices, new forms of transport and heating, low carbon buildings, resource light manufacturing, and changes in agricultural practices. A large number of scientists and engineers with system wide expertise will also be needed.

The MSc in Energy and Environment is designed for those wishing to develop careers in this challenging and exciting area. The taught component of the programme is interdisciplinary and encompasses environment, engineering and policy.

The research project, working on an energy sector application, may be developed in conjunction with an industrial partner. These industry projects will not only give valuable industry relevant training but will also provide work experience.

Core modules
- Dissertation Project
- Environmental Management
- Low Carbon Energy Use
- Sustainable Systems

Optional modules
Three optional modules from the following (subject to change)
- Air Quality and Climate
- Catchment Protection Field Course
- Climate Change and Society
- Data Assimilation and Integration
- Energy Conversion
- Environmental Auditing
- Environmental Radioactivity
- Food Security, Agriculture and Climate Change
- Geoinformatics
- International Environmental Law
- Numerical skills
- Perspectives on Environment and Development
- Renewable Energy
- The Nuclear Engineering Environment

The use of energy derived from fossil fuels is releasing large quantities of carbon into the earth's atmosphere. This carbon is causing present-day changes to climate and, more importantly, is committing society to very significant changes in the future.
MSc in Environmental and Biochemical Toxicology

Director of Studies
Professor Frank Martin.

Duration
12 months full-time, 24 months part-time.

Entry requirements
Upper second class honours degree, or its equivalent in a relevant subject. We can also consider applicants with a lower second class (or equivalent) if they have relevant work experience (including voluntary work).

IELTS
6.5 or equivalent.

Assessment
Coursework, presentations, examinations and dissertation.

Further information
www.lancaster.ac.uk/lec/postgraduate/taught-masters

Environmental and Biochemical Toxicology are disciplines that underpin a vast array of services. There is a recognised shortage of qualified scientists in such areas; a fact highlighted both by academic societies and industry.

This MSc provides you with an appreciation of the underlying principles of how chemicals adversely affect living organisms. This includes appreciating the diverse applications of toxicology, from identifying mechanisms through to hazard assessment, and understanding the effects on human health, in terms of biotransformation, mutation and neurological impairments.

We also emphasise practical experience gained through the use of cutting-edge techniques in research laboratories. You will also learn general scientific skills in hypotheses testing, problem solving, dealing with scientific literature, and experimental design and rigour.

After finishing this course you will be ready to enter consultancy or industry or to progress to PhD study.

Core modules
- Consequences of Toxic Effects
- Dissertation Project
- Toxicological Mechanisms and Measurements

Optional modules
Four optional modules from the following (subject to change)
- Behaviour of Pollutants in the Environment
- Biological Effects of Air Pollution and Climate Change
- Cell Biology Research Skills
- Chemical Risk Assessment
- Clinical Trials
- Contaminated Land and Remediation

- Data Analysis and Interpretation
- Data Assimilation and Integration
- Disaster Management
- Disease of the Brain
- Drug Development (from concept to clinic)
- Environmental Epidemiology
- Environmental Radioactivity
- Environmental Sampling and Analysis for Trace Organics
- Environmental Toxicology
- Fundamental Research Skills
- Genomics – technologies and analyses of its data
- Immunology
- Microbes and Disease
- Models of Disease and Ageing
- Molecular Basis of Cancer
- Molecular Biology Research Skills
- Numerical Skills
- Pollution Microbiology
- Principles of Epidemiology
- Safety and Environmental Impact Assessment: an Industrial Perspective
Taught programmes (continued)

MA/MSc/PgCert in Environment and Development

Director of Studies
Dr Yani Najman.

Duration
12 months full-time, 24 months part-time.

Entry requirements
Upper second class honours degree, or its equivalent, in a relevant subject. We can also consider applicants with a lower second class (or equivalent) if they have relevant work experience (including voluntary work).

IELTS
6.5 or equivalent.

Assessment
Coursework, presentations and a dissertation.

Further information
www.lancaster.ac.uk/lec/postgraduate/taught-masters

The scheme has a broad choice of optional modules, combined with the specialisation of the dissertation project. Together these provide the ideal education for anyone interested in a career that will address environment and development issues, in the private, public, or not-for-profit sectors.

The PgCert provides an opportunity for postgraduate learning and professional development for those who are unable to commit to a full Masters programme. The award requires the successful completion of four 15 credit modules, selected from the modules available on the MA/MSc course.

Core modules
- Dissertation Project
- Perspectives on Environment and Development
- Research Methods (for MA stream only)

Optional modules
Four/five optional modules from the following (subject to change)
- Air Quality and Climate
- Behaviour of Pollutants in the Environment
- Biological Effects of Air Pollution and Climate Change
- Catchment Protection (field course)
- Chemical Risk Assessment
- Climate Change and Society
- Consequences of Toxicological Effects
- Conservation Biology
- Contaminated Land and Remediation
- Crop Protection
- Data Analysis and Interpretation
- Data Analysis and Programming Skills
- Data Assimilation and Integration
- Ecology, Conservation and Culture
- Environment and Culture
- Environmental Auditing
- Environmental Justice
- Environmental Management
- Environmental Radioactivity
- Environmental Sampling and Analysis for Trace Organics
- Environmental Toxicology
- Flood Forecasting and Flood Risk Management
- Food Security, Agriculture and Climate Change
- Food Security and Environmental Issues in China
- Geoinformatics
- Geological Hazards
- Globalisation and Democratisation
- Groundwater Resources and Protection
- Habitat Management
- International Environmental Law
- Lake Ecology
- Low Carbon Energy Use
- Modelling Environmental Processes
- Numerical Skills
- Pollution Microbiology
- Right to Adequate Food as a Human Right
- Sustainable Soil Management
- Sustainable Systems
- The Rights of Peoples
- Toxicological Mechanisms and Measurements
- Using the NVC
- Wildlife Monitoring Techniques
- Wildlife Population Ecology

The need for sustainable development is a global concern. This scheme aims to prepare you to address the challenges faced in safeguarding the planet’s ecosystems while improving the environments of impoverished communities.

You can take either the MA or MSc pathway, depending on your choice of dissertation topic. Topics are offered in both environmental and developmental themes, with options for fieldwork in the UK, Asia, Africa and South America, usually working with universities and NGOs in the host countries. This optional overseas component provides vital experience for those looking for a career in the overseas development sector.
MA/MSc in Environment, Culture and Society

Director of Studies
Dr Saskia Vermeylen.

Duration
12 months full-time, 24 months part-time.

Entry requirements
An upper second class honours degree, or its equivalent. We can also consider applicants with a lower class honours degree, or equivalent, if they have relevant work experience (including voluntary work).

IELTS
6.5 (with a minimum of 5.5 in each element) or equivalent.

Assessment
Coursework and a dissertation. Some optional modules may feature exams.

Further information
www.lancaster.ac.uk/lec/postgraduate/taught-masters

This is a joint degree between LEC and the Department of Sociology. You choose between an MA or MSc pathway from a selection of social and natural science modules. Please also see the entry under Sociology on page 97.

This innovative interdisciplinary course is aimed at those who want to engage critically, practically and creatively with global environmental problems. Issues such as food security, climate change, emergent risks and energy demands, require novel solutions from academic, NGO, business and government sectors.

The course brings together vital insights from social and natural sciences, and draws on cutting edge social, cultural and environmental theory.

Our staff have strong links with a range of scientific, policy, industrial and civic communities, which provide excellent opportunities for placements to gain practical experience. The combination of critical theory, experimental natural sciences and access to real-world contexts creates a unique course for anyone seeking to add value to their academic and/or applied career trajectory.

Core modules
- Dissertation Project
- Environment and Culture
- Interdisciplinarities: Environment, Culture and Society
- Research Methods
- Researching Technoscience

Optional modules
Three optional modules from the following (subject to change)
- Capitalism and Crisis
- Climate Change and Society
- Ecology, Conservation and Culture
- Environmental Auditing
- Environmental Management
- Food Security, Agriculture and Climate Change
- Geoinformatics
- Geological Hazards
- Habitat Management
- International Environmental Law
- Modelling Environmental Processes
- Perspectives on Environment and Development
- Policy, Publics and Expertise
- Science, Technology and Society
- Social and Cultural Theory
- Wildlife Monitoring Techniques

Key fact
Coming soon – a new PgCert in Flood and Coastal Management. Please see www.lancaster.ac.uk/lec/postgraduate/cpd--short-courses for further details.
Taught programmes (continued)

MA in Environmental Management and Consultancy

Director of Studies
Dr Nigel Watson.

Duration
12 months full-time,
24 months part-time.

Entry requirements
Upper second class honours degree, or its equivalent, in a relevant subject. We can also consider applicants with a lower second class (or equivalent) if they have relevant work experience (including voluntary work).

IELTS
6.5 or equivalent.

Assessment
Coursework, presentations, examinations and dissertation.

Further information
www.lancaster.ac.uk/lec/postgraduate/taught-masters

Whether it is the boardrooms of multinational corporations or the offices of small enterprises the environment is now a fundamental part of decision making. In an increasingly complex and competitive business environment, managers need to understand the commercial opportunities that the environmental sector offers, as well as the standards of performance which customers, shareholders and regulatory agencies now expect.

The MA in Environmental Management and Consultancy prepares you for these challenges. It will develop your skills in decision making, specialist environmental knowledge, and the ability to solve problems in real-world situations. There are core modules in environmental management and environmental auditing and a wide range of optional modules. A core module in environmental law is provided by the internationally renowned Lancaster University Law School.

The programme also includes a six month research placement where you will have the opportunity to put your knowledge and skills to the test by working for a small-medium sized company, a public sector body or voluntary sector organisation.

Core modules
- Dissertation Project (with Placement)
- Environmental Auditing
- Environmental Management
- International Environmental Law
- Research Methods (unless a social science research methods course has been taken at UG level)

Optional modules
Two or three optional modules from the following (subject to change)
- Air Quality and Climate
- Behaviour of Pollutants in the Environment
- Catchment Protection (field course)
- Chemical Risk Assessment
- Climate Change and Society
- Conservation Biology
- Contaminated Land and Remediation
- Ecology, Conservation and Culture
- Environment and Culture
- Environmental Radioactivity
- Flood Forecasting and Flood Risk Management
- Food Security, Agriculture and Climate Change
- Geoinformatics
- Geological Hazards
- Groundwater Resources and Protection
- Habitat Management
- Low Carbon Energy Use
- Numerical Skills
- Perspectives on Environment and Development
- Renewable Energy
- Right to Adequate Food as a Human Right
- Sustainable Soil Management
- Sustainable Systems

Tom Wright
MA Environmental Management and Consultancy

Lancaster Environment Centre’s Environmental Management and Consultancy course gave me the opportunity to complete two periods of work experience with SMEs in the North West as part of my Masters Degree, as well as another separate piece of extracurricular project work for another company through LEC’s Enterprise and Business Partnerships team.

I chose to study at Lancaster for this reason, as the course offered structured work experience for which I could receive detailed feedback, real-world consultancy experience and an entry on my CV. The clients I worked for had real projects which were vital to their businesses, and being able to work on them and add value to these businesses while gaining practical consultancy experience at the same time I believe was invaluable, and has led to me securing employment with a North West based Consultancy.
MSc/PgCert in Environmental Science and Technology

Director of Studies
Professor Kirk T Semple.

Duration
12 months full-time, 24 months part-time.

Entry requirements
Upper second class honours degree, or its equivalent, in a relevant subject. We can also consider applicants with a lower second class (or equivalent) if they have relevant work experience (including voluntary work).

IELTS
6.5 or equivalent.

Assessment
Coursework, presentations, examinations and dissertation.

Further information
www.lancaster.ac.uk/lec/postgraduate/taught-masters

Increasingly, novel technologies such as informatics, sensor networks, imaging techniques and pollution remediation technologies are impacting the way we view and manage the environment. This scheme explores these issues and offers you a broad range of options allowing you to choose your area of focus.

As well as gaining knowledge in one or more areas of environmental science and technology, you will also develop skills in statistics and computing. Graduates will typically find themselves working for consultancies, government organisations or going on to study for a PhD.

There is also a two-year full-time International MSc (Research) in Environmental Science and Technology, which additionally includes a 12 month overseas research placement.

The PgCert provides an opportunity for postgraduate learning and professional development for those who are unable to commit to a full MSc programme. The award requires the successful completion of four 15 credit modules, selected from the modules available on the MSc course.

Core module
- Dissertation Project

Optional modules
Six optional modules from the following (subject to change)
- Air Quality and Climate
- Behaviour of Pollutants in the Environment
- Biological Effects of Air Pollution and Climate Change
- Catchment Protection (field course)
- Chemical Risk Assessment
- Consequences of Toxic Effects
- Contaminated Land and Remediation
- Crop Protection
- Data Analysis and Interpretation
- Data Analysis and Programming Skills
- Data Assimilation and Integration
- Environmental Applications of Isotope Geochemistry
- Environmental Radioactivity
- Environmental Sampling and Analysis for Trace Organics
- Environmental Toxicology
- Flood Forecasting and Flood Risk Management
- Food Security, Agriculture and Climate Change
- Geoinformatics
- Geological Hazards
- Groundwater Resources and Protection
- Lake Ecology
- Modelling Environmental Processes
- Numerical skills
- Physical Volcanology
- Pollution Microbiology
- Renewable Energy
- Sustainable Soil Management
- Toxicological Mechanisms and Measurements
- Wildlife Monitoring Techniques

MSc in International Innovation (Environmental Science)

Please see the Management School entry on page 148 for information.
Taught programmes (continued)

MSc in Resource and Environmental Management

Director of Studies
Dr Nigel Watson.

Duration
12 months full-time, 24 months part-time.

Entry requirements
Upper second class honours degree, or its equivalent, in a relevant subject. We can also consider applicants with a lower second class (or equivalent) if they have relevant work experience (including voluntary work).

IELTS
6.5 or equivalent.

Assessment
Coursework, presentations, examinations and dissertation.

Further information
www.lancaster.ac.uk/lec/postgraduate/taught-masters

The management of land, air, water and other resources for sustainable development is a major challenge for the twenty first century. This very popular and vocationally relevant scheme will provide you with an in-depth critical understanding of the key management issues and challenges, as well as developing your problem-solving skills and practical knowledge for future employment in the environmental field.

You will also have the option of taking a six month research placement with a private sector company, government body or voluntary sector organisation as an alternative to a traditional dissertation.

Core modules
- Dissertation Project
- Environmental Management
- Geoinformatics
- Research Methods

Optional modules
Three optional modules from the following (subject to change)
- Climate Change and Society
- Ecology Conservation and Culture
- Environmental Auditing
- Environment and Culture
- International Environmental Law
- Perspectives on Environment and Development
- Right to Adequate Food as a Human Right

MSc/PgCert Sustainable Agriculture and Food Security

Director of Studies
Dr Ian Dodd.

Duration
12 months full-time, 24 months part-time.

Entry requirements
Upper second class honours degree, or its equivalent, in a relevant subject. We can also consider applicants with a lower second class (or equivalent) if they have relevant work experience (including voluntary work).

IELTS
6.5 or equivalent.

Assessment
Coursework, presentations, examinations and dissertation.

Further information
www.lancaster.ac.uk/lec/postgraduate/taught-masters

With the world’s population fast approaching seven billion, one of the main challenges facing the human race is how to feed its people. It’s estimated that a rise in food production of at least 50% will be needed by 2030, yet society expects that this additional food be delivered with reduced environmental impact.

Food production itself is only part of the problem. Food security isn’t just about exploiting scientific and technological advances to increase crop yields it’s also about addressing the associated economic and social factors to enable people to access sufficient, safe and nutritious food.

This scheme aims to train the next generation of natural and social scientists who will tackle these challenges. It will give you the necessary interdisciplinary training and research with an international focus.

There is also a two-year full-time International MSc (Research) in Sustainable Agriculture and Food Security, which additionally includes a 12 month overseas research placement.

The PgCert provides an opportunity for postgraduate learning and professional development for those who are unable to commit to a full MSc programme. The award requires the successful completion of four 15 credit modules, selected from the modules available on the MSc course.
Core modules
- Crop Protection
- Dissertation Project
- Food Security, Agriculture and Climate Change
- Sustainable Soil Management

Optional modules
Three optional modules from the following (subject to change):
- Behaviour of Pollutants in the Environment
- Biological Effects of Air Pollution and Climate Change
- Catchment Protection (field course)
- Conservation Biology
- Contaminated Land and Remediation
- Data Analysis and Interpretation
- Environmental Management
- Habitat Management
- Numerical Skills
- Perspectives on Environment and Development
- Pollution Microbiology
- Right to Adequate Food as a Human Right
- Sustainable Systems
- Using the NVC
- Wildlife Monitoring Techniques
- Wildlife Population Ecology

MSc/PgCert in Sustainable Water Management

Director of Studies
Dr Nick Chappell.

Duration
12 months full-time, 24 months part-time.

Entry requirements
Upper second class honours degree, or its equivalent, in a relevant subject. We can also consider applicants with a lower second class (or equivalent) if they have relevant work experience (including voluntary work).

IELTS
6.5 or equivalent.

Assessment
Coursework, presentations, examinations and dissertation.

Further information
www.lancaster.ac.uk/lec/postgraduate/taught-masters

This scheme combines modules in hydrology, water quality and ecology with a research project tailored towards developing skills relevant to a career in the water sector, either in the UK, mainland Europe or internationally.

You will be taught by world experts in the field, including staff from the Centre for Ecology and Hydrology (within the Lancaster Environment Centre) and industry leader JBA Consulting. Your specialised project will benefit from our strong research links with organisations such as Dŵr Cymru Welsh Water, United Utilities, JBA Consulting, the Environment Agency, Defra and the UK Government Research Councils. Some projects involve placements within the organisations.

As an MSc SWM student you become an associate member of the LEC Water and Soil Sciences Group and are invited to all of our research and social activities.

The PgCert provides an opportunity for postgraduate learning and professional development for those who are unable to commit to a full MSc programme. The award requires the successful completion of four 15 credit modules, selected from the modules available on the MSc course.

Core modules
- Dissertation Project

Optional modules
Two optional modules from the following (subject to change):
- Behaviour of Pollutants in the Environment
- Conservation Biology
- Contaminated Land and Remediation
- Data Assimilation and Integration
- Environmental Applications of Isotope Geochemistry
- Environmental Auditing
- Environmental Sampling and Analysis for Trace Organics
- Food Security, Agriculture and Climate Change
- Geoinformatics
- Geological Hazards
- Habitat Management
- International Environmental Law
- Perspectives on Environment and Development
- Pollution Microbiology
- Renewable Energy
- Sustainable Soil Management
Taught programmes (continued)

MSc in Volcanology and Geological Hazards

Director of Studies
Dr Hugh Tuffen.

Duration
12 months full-time, 24 months part-time.

Entry requirements
Upper second class honours degree, or its equivalent, in a relevant subject. We can also consider applicants with a lower second class (or equivalent) if they have relevant work experience (including voluntary work).

IELTS
6.5 or equivalent.

Assessment
Coursework, presentations, examinations and dissertation.

Further information
www.lancaster.ac.uk/lec/postgraduate/taught-masters

Volcanoes are an exciting spectacle, but also a major natural hazard that threatens millions worldwide. Research into volcanic behaviour is essential for improved forecasting and hazard mitigation. This unique MSc provides you with training in field, theoretical and laboratory volcanology. We have field visits to study volcanic rocks in the nearby Lake District and a popular optional fieldtrip to Etna.

Taught modules cover the physical processes that generate volcanic and other geological hazards, together with their management. Due to the broad range of optional modules you can also study other types of environmental hazards such as flooding, and pick up useful transferable skills such as geoinformatics or modelling.

You will carry out your dissertation research alongside one of the many internationally recognised experts in LEC. This MSc is ideal preparation for PhD research or work in the environment sector, and is suitable for students with a wide range of first degrees, including Geography, Geology, Environmental Science and Physics.

To encourage breadth in our cohort, we offer students with a less numerate background the chance to develop their mathematical skills through a non-assessed support module designed specifically for Masters students.

Core modules
- Dissertation Project
- Geological Hazards
- Physical Volcanology

Optional modules
Four optional modules from the following (subject to change)
- Air Quality and Climate
- Chemical Risk Assessment
- Climate Change and Society
- Contaminated Land and Remediation
- Data Analysis and Interpretation
- Data Assimilation and Integration
- Environmental Applications of Isotope Geochemistry
- Environmental Management
- Environmental Radioactivity
- Flood Forecasting and Flood Risk Management
- Geoinformatics
- Groundwater Resources and Protection
- Modelling Environmental Processes
- Volcanic Process Field Course

MSc (Research) International Masters in Environmental Science and Technology

Director of Studies
Dr Hong Li.

Duration
21 months full-time.

Entry requirements
Upper second class honours degree, or its equivalent, in a relevant subject. We can also consider applicants with a lower second class (or equivalent) if they have relevant work experience (including voluntary work).

IELTS
6.5 or equivalent.

Assessment
Coursework, presentations, examinations and dissertation.

Further information
www.lancaster.ac.uk/lec/postgraduate/taught-masters

This is a two-year Masters programme delivered in partnership with the Chinese Academy of Sciences (CAS). It provides training in environmental sciences and its commercial application through world leading research institutions.

In your first year, you will study in Lancaster. You will choose from a range of taught modules in environmental sciences and start a research project, which may be continued in your second year in either China, within the Chinese Academy of Sciences, or the UK. Many of these projects involve collaborations with international commercial organisations and provide excellent work experience in different cultural settings.

Students from all countries are eligible to apply. Graduates will be well placed for an international career in environmental science and technology and further study for a PhD.
Core modules
- Data Analysis and Interpretation
- Dissertation Project (Year 1)
- Extended Dissertation Project (Year 2)

Optional modules
Five optional modules from the following (subject to change)
- Air Quality and Climate
- Behaviour of Pollutants in the Environment
- Biological Effects of Air Pollution and Climate Change
- Catchment Protection (field course)
- Chemical Risk Assessment
- Consequences of Toxic Effects
- Contaminated Land and Remediation
- Crop Protection
- Data Analysis and Programming Skills
- Data Assimilation and Integration
- Environmental Applications of Isotope Geochemistry
- Environmental Radioactivity
- Environmental Sampling and Analysis for Trace Organics
- Environmental Toxicology
- Flood Forecasting and Flood Risk Management
- Food Security, Agriculture and Climate Change
- Geoinformatics
- Groundwater Resources and Protection
- Lake Ecology
- Modelling Environmental Processes
- Numerical Skills
- Physical Volcanology
- Pollution Microbiology
- Renewable Energy
- Sustainable Soil Management
- Toxicological Mechanisms and Measurements
- Wildlife Monitoring Techniques

MSc (Research) International Masters in Sustainable Agriculture and Food Security

Director of Studies
Dr Ian Dodd.

Duration
24 months full-time.

Entry requirements
Upper second class honours degree, or its equivalent, in a relevant subject. We can also consider applicants with a lower second class (or equivalent) if they have relevant work experience (including voluntary work).

IELTS
6.5 or equivalent.

Assessment
Coursework, presentations, examinations and dissertation.

Further information
www.lancaster.ac.uk/lec/postgraduate/taught-masters

With the world's population fast approaching seven billion, one of the main challenges facing the human race is how to feed its people. It's estimated that a rise in food production of at least 50% will be needed by 2030, yet society expects that this additional food be delivered with reduced environmental impact.

Food production itself is only part of the problem. Food security isn't just about exploiting scientific and technological advances to increase crop yields; it's also about addressing the associated economic and social factors to enable people to access sufficient, safe and nutritious food.

This two year scheme is delivered in partnership with one of our overseas research partners, at universities in China, Brazil, USA, or India. Students will study at Lancaster University for the first year and develop plans for a collaborative project overseas for the second year.
Mathematics and Statistics

The Mathematics and Statistics Department is an internationally recognised research and teaching facility.

In the 2008 Research Assessment Exercise we submitted the fifth largest research group to the panel for statistics and operations research. 60% of our research output was judged to be world leading or internationally excellent while in the pure mathematics assessment, 50% of our research activity was judged to be world leading or internationally excellent.

We have many established research links with business, industry and government, providing expertise in pure mathematics, statistics, medical statistics and social statistics. Several companies visit us each year to promote the recruitment of our graduates and we have an excellent reputation for graduate employment success. We are also part of the North-West Hub for Trial Methodology Research.

Our BREEAM award winning building was opened in 2008 and comprises dedicated teaching, learning, computing and research facilities for all our postgraduate students.

The Department is also a founder member of several national PhD training consortiums in statistics, social statistics, mathematics and operational research.

In 2010, the Department was awarded substantial funding to develop a unique Centre for Doctoral Training (STOR-i) combining statistics, operational research and industrial applications (see page 24). We are producing a new generation of researcher, capable of creating an impact in these complementary areas. This Centre has fully funded 40 students between 2010 and 2013, and is due to fully fund at least 60 further students entering the Centre for Doctoral Training in 2014 – 2019. We are also part of the North West Doctoral Training Centre (NWDT) and offer a pathway of study in Social Statistics (please see our PhD listings on page 206).

The research community within our Department has an international flavour, including staff and research students from Europe, Asia, Africa, North and South America and Australasia.

Key fact

The Department’s excellent performance is reflected by its outstanding position in both The Complete and Guardian Good University Guides, 2014 which ranked Maths as 10th in the UK.

Dennis Prangle
PhD in Statistics

"After several years working in industry, I decided that the most interesting part of my job was using my mathematical skills to investigate statistical problems and began to consider a career change. The good reputation of its MSc in Statistics led me to choose to study at Lancaster, and I found it a rewarding and sometimes challenging experience that left me well equipped with the theoretical and practical tools for a career in statistics. I was impressed by the expertise, facilities and friendliness of the department, and it felt natural to stay on for a PhD."

"..."
Research degrees

PhD in Statistics

Entry requirements
Upper second class honours degree, or its equivalent, in Mathematics, Statistics, or a combination of the two.

IELTS
6.5 or equivalent.

Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/maths

The Department has the largest cohort of statistics PhD students in the UK, and offers excellent support. Students have a formal weekly meeting with their supervisor, but in most cases this is supplemented by more frequent, informal contact.

Any skills gaps will be covered through additional lecture programmes or directed reading, and students have the opportunity to attend graduate lectures on topics of current research interest, national APTS and MAGIC schemes which provide PhD level courses, and take part in internal seminars for students and staff.

These are an ideal opportunity to gain valuable experience of communicating ideas to an audience while also receiving feedback, which can help set future research directions.

All PhD students have their own departmental laptop, and are generously supported to attend and present work at national and international conferences. Proposals are accepted in any areas of interest to the department.

Research degrees
- PhD in Statistics
- PhD in Mathematics
- PhD in Applied Social Statistics (NWDTC)

Integrated degrees (1+3)
- MSc in Quantitative Methods for Science, Social Science and Medicine
- MRes/PhD in Statistics and Operational Research with Industrial Applications STOR-i

Taught programmes
- MSc in Data Science
- MSc/PgDip in Statistics
- MSc/PgDip/PgCert in Quantitative Methods for Science, Social Science and Medicine

Number of postgraduate students
60

Head of Department
Dr Andrey Lazarev

Postgraduate enquiries
Tel: +44(0)1524 593063
Email: p.neal@lancaster.ac.uk
www.lancaster.ac.uk/maths
Research degrees (continued)

PhD in Applied Social Statistics (NWDT)

Director of Studies
Professor Brian Francis.

Duration
Three years full-time (PhD), four years full-time (MSc/PhD). Part-time study is also possible.

Entry requirements
Upper second class honours degree, or its equivalent, in Statistics, Social Science or a relevant related discipline, or relevant professional qualification or experience.

IELTS
6.5 or equivalent.

Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/maths and www.nwdtc.ac.uk

This scheme, delivered by the North West Doctoral Training Centre, draws upon the acknowledged strengths of Social Science and Social Statistics at the University, with the balance between the statistics and substantive components of the research tailored to the individual student's interests and background.

Via the doctoral programme, there is provision for joint supervision by the Department and a Social Science or other related department across the three North-West universities (Lancaster, Liverpool and Manchester), increasing the scope and potential focus of your research.

PhD topics currently being studied in this programme include: the development of social network models for understanding the delinquency of teenage gangs; user behaviour of social news websites; changing attitudes to gender roles; long term reconviction behaviours of sex offenders; modelling sentencing outcomes in England and Wales; methods for measuring health outcomes in children including reliability and validity; care pathways of looked-after children; and, factors associated with smoking among school-going male adolescents.

The programme is suitable for a wide range of purposes, notably: Social Science graduates interested in quantitative empirical work; Physical Science and Engineering graduates seeking social science conversion opportunities which make maximum use of their existing skills; Statistics graduates wishing to develop applicable expertise in social statistics; graduates from any discipline wishing to undertake Advanced Quantitative Training.

For those not ready to embark directly on PhD study, there is an option of beginning with the MSc in Quantitative Methods for Science, Social Science and Medicine before progressing to the PhD (please see Taught programmes).

Our research interests

Statistics:
The Statistics Group is interested in the development of novel statistical models and methods motivated by applied problems, with particular emphasis on environmental, biomedical and social sciences. Methodological strengths include change point methods, computationally intensive methods, design and analysis of clinical trials, epimedic modelling, extreme value methods, locally stationary processes, longitudinal models, spatial statistics, spatial genetics, stochastic modelling, survival analysis and time series modelling.

There is a strong emphasis on the interface between theory and application, and the group has close research links with other University departments, government departments and research institutes, a wide range of industries including multinationals and SMEs, hospitals, pharmaceutical companies within the UK and overseas.

Pure Mathematics:
The research interests of staff are broad and cover many areas of Analysis, Algebra and Combinatorics. There is also research at the interfaces between Algebra, Geometry and Rigidity Theory.

Specific topics include Group Theory, Graph Theory, Representation Theory, Homological Algebra, Algebraic Topology, Lie Theory, Lie Algebras, Quantum Algebra, Quantum Field Theory, Mathematical Physics, Operator Algebras, Spectral Theory, Probability and Discrete Geometry. The section also has strong connections with groups in other European countries, North America and India.

Key fact

Approximately two thirds of STOR-i projects will have direct industrial involvement with joint supervision provided by an industrial collaborator, visits to their research teams, and a genuine insight into industry research.
Integrated degrees (1+3)

MSc in Quantitative Methods for Science, Social Science and Medicine

If you secure NWDTC funding, there is an option of taking the MSc in Quantitative Methods for Science, Social Science and Medicine in year one before progressing to the full PhD. Please contact the department for further details of this option.

MRes/PhD in Statistics and Operational Research (in partnership with industry) with Industrial Applications (STOR-i)

Director of Studies
Professor Jonathan Tawn.

Duration
4 years full-time.

Entry requirements
First class honours degree, or its equivalent, in an undergraduate course with a substantial mathematical content.

IELTS
6.5 or equivalent.

Assessment
MRes: coursework and exam; PhD: original research and thesis.

Further information
www.stor-i.lancs.ac.uk

Continual collaboration and networking with our wide range of industrial partners ensures that this programme will produce a new generation of highly employable researchers equipped with the skills required for effective careers in academia or industry. Some of the UK’s leading companies committed to providing this support include BT, IBM, AstraZeneca, Shell and SSE.

The programme begins with an MRes, which provides a robust grounding in the field and the development of key research skills. You will then identify a research topic and plan your PhD research. You will also develop a versatile skill set including: advanced problem solving, programming, and teamwork, plus, a broad range of presentation and dissemination skills.

The remaining three years will be spent working on the PhD project guided by appropriate supervisory teams, whilst taking a wide range of specially devised training programmes and experiencing extended international research visits at world leading universities to increase your employability. All PhD students get experience of researching with industry, as 80% of students have a PhD project co-funded and co-supervised by industry and the rest have a six month industrial internship.

Key fact

Only interested in the module relating to teaching statistics? You can opt for a PgCert as a part-time certificate, which is ideal for university lecturers or teachers in secondary education.

Compulsory modules
- Training for Research and Industry
- Probability and Stochastic Processes
- Optimisation
- Likelihood Inference
- Computer Simulation
- Bayesian Inference
- Computational Intensive Methods

Optional modules
(PhD – voluntary):
- Leadership and Project Management Training
- Communication Training
- Research Integrity
- Continual Professional Development in Statistics and Operational Research
- Computational Horizons

For more information please go to www.lancaster.ac.uk
Taught programmes

MSc in Data Science
Please see entry under the School of Computing and Communications on page 180.

MSc/PgDip in Statistics
Director of Studies
Dr Deborah Costain.

Duration
MSc: 12 months full-time or 24 months part-time.
PgDip: nine months full-time.

Entry requirements
Second class honours degree, or its equivalent, in a subject with a strong Mathematics or Statistics component. Conversion modules are available.

IELTS
6.5 or equivalent.

Assessment
Coursework, examination and dissertation.

Further information
www.lancaster.ac.uk/maths

This MSc has a strong theoretical and methodological component to supplement a focus on applications of statistics to real life scientific problems. You can opt to follow pathways in medical, pharmaceutical or environmental statistics, depending on your field of interest. Graduates tend to enter careers as practising statisticians, university research assistants or go on to study for a PhD.

For each pathway you will follow a set of compulsory modules covering core theory and methods, applied statistical modelling and practical skills in topics such as statistical computing, scientific writing, presentation and consultancy. You will also study optional modules tailored to your research interests and career aspirations. Your studies are completed with a supervised in-depth dissertation aimed at solving a substantive research question.

Compulsory modules
- Statistics in Practice
- Likelihood Inference
- Generalised Linear Models
- Bayesian Inference
- Computational Intensive Methods

Optional modules (choose five):
- Extreme Value Theory
- Clinical Trials
- Principles of Epidemiology
- Genomics: Technologies and Data Analysis
- Longitudinal Data Analysis
- Pharmacological Modelling
- Survival and Event History Analysis
- Environmental Epidemiology
- Adaptive and Bayesian Methods in Clinical Research

MSc/PgDip in Quantitative Methods for Science, Social Science and Medicine

Director of Studies
Dr Gillian Lancaster.

Duration
MSc: 12 months full-time, or 36 months part-time.
PgDip: nine months full-time, or 21 months part-time.

Entry requirements
Upper second class honours degree, or its equivalent, in Mathematics, a Social Science or other related discipline, or relevant professional qualification and experience.

IELTS
6.5 or equivalent.

Assessment
Coursework, examination, in depth dissertation.

Further information
www.lancaster.ac.uk/maths

We offer a range of pathways for this MSc/PgDip suite of courses. All are designed to provide you with a solid foundation in the theory and application of statistical methods for the natural, social and health sciences.

You study substantive theory, research methods, data collection (including how to use data from large government social surveys) and statistical analysis (including software packages R, SPSS and STATA) and explore the application of this knowledge in a range of areas. Modules are taught in short intensive blocks, making this programme ideal for part-time study.
The specialist pathways offered are Scientific Research Methods, Crime and Social Statistics, Statistical Methods for Health Research, Teaching Statistics (based on your choice of optional modules).

**Compulsory modules**
- Statistical Inference
- Sampling Design
- Questionnaire Design
- Secondary Data Analysis
- Statistical Inference
- Generalised Linear Models
- Secondary Data Analysis
- Multi-Level Models

**Optional modules**
(May vary from year-to-year)
- Bayesian Methods
- Duration (Survival) Analysis
- Methods for Missing Data
- Data Mining Techniques
- Structural Equation Modelling
- Event History Analysis
- Clinical Trials
- Principles of Epidemiology
- Statistics in Practice
- Quantifying and Evaluating Forensic Evidence
- Quantitative Criminology
- Teaching Statistics

---

**PgCert in Quantitative Methods for Science, Social Science and Medicine**

**Director of Studies**
Dr Gillian Lancaster.

**Duration**
12-24 months part-time.

**Entry requirements**
Upper second class honours degree, or its equivalent, in Mathematics, a Social Science or other related discipline, or relevant professional qualification and experience.

**IELTS**
6.5 or equivalent.

**Assessment**
Coursework.

**Further information**
[www.lancaster.ac.uk/maths](http://www.lancaster.ac.uk/maths)

This Postgraduate Certificate can be obtained by successfully completing an approved combination of taught modules or, alternatively, the stand alone distance learning module in Teaching Statistics.
Physics

In the active and vibrant research-led environment of the University, Physics has 48 academic members of staff, 52 research staff, and over 90 postgraduate students from a wide variety of countries.

Research is concentrated on the experimental and theoretical aspects of Cosmology, Condensed Matter Physics, Particle Physics, Advanced Materials Nanoscience and Mathematical Physics. It is supported by 142 current research grants totalling over £22.2m. There are numerous funded collaborations with overseas laboratories, as well as major European networks and Department members have been awarded several prestigious prizes and fellowships.

We pride ourselves on our research facilities. Experimental research in Elementary Particle Physics has access to the accelerators at Fermilab (USA) and the new large Hadron Collider (LHC) at CERN (Geneva). There are leading European Facilities at the Ultra-Low Temperature Laboratory (ULT) allowing experiments to be performed over the millikelvin and microkelvin range through liquid $^4$He and $^3$He. Dilution refrigerators and nuclear demagnetisation to well below 100k are all available as well as high magnetic fields from superconducting solenoids (up to eight Tesla).

We have state of the art molecular beam epitaxy facilities and specially equipped labs for III-V semiconductor nanostructures and devices. Characterisation facilities include a field-emission-gun SEM with e-beam lithography, x-ray diffraction, picosecond lasers covering visible and mid-IR range, photo and electro-luminescence in magnetic fields and unique nanomechanical and nanothermal scanning probe microscopy suite.

Computing facilities include Linux workstations and a dedicated Grid computing facility as well as a £1.1m Beowulf class computer. Fast network links allow the use of regional and national supercomputers and many of the experimental facilities have online computer links for control and data acquisition.

Students can access all this and take advantage of our international connections to spend time working at a range of labs in Europe, USA and Japan. Socrates placements are also available.

Professor George Pickett
Professor of Physics and Fellow of the Royal Society

Postgraduate study at Lancaster will introduce you to the international nature of today’s physics research. We participate in several EU networks and collaborations with groups worldwide, including particle physics experiments at CERN (Geneva), Fermilab (US) and Kamioka/Tokai (Japan). In 2009 the Microkelvin Laboratory was designated a European Facility.
Research degrees

PhD in Physics

Entry requirements
Upper second class BSc or MPhys honours degree, or its equivalent, in a relevant subject.

IELTS
6.5 or equivalent (lower grade admissions may be possible via separate pre-sessional English courses).

Assessment
Original research and thesis.

Further information
www.lancaster.ac.uk/depts/physics

We welcome applications from those seeking to perform research for the degree of PhD. Research opportunities are available within each of our research areas concentrated within the broad areas of Elementary Particle Physics and Cosmology, and Condensed Matter Physics. It covers both theoretical and experimental aspects, grouped under Elementary Particle Physics, Condensed Matter Physics, and Theoretical Physics.

There is vigorous cross-divisional activity, which includes studies of new materials such as graphene and molecular nanowires, cosmological experiments in liquid helium, nonlinear dynamics of biological rhythm and IR spectroscopy and nanoscale probe microscopy of biological objects.

Key fact
We are top of the table in the UK (RAE 2008). We also received the highest possible 5* rating in the 2001 Research Exercise, and rank in the top 10 for student satisfaction.

Key fact
Microkelvin Physics at Lancaster was recently recognised by ISI Essential Science Indicators as the most prolific experimental group in superfluidity worldwide. Our nuclear refrigeration is arguably the best in the world.
Research degrees (continued)

PhD in Nanoscience

Entry requirements
Upper second class BSc or MPhys degree in Physics, or its equivalent, in a relevant subject.

IELTS
6.5 or equivalent.

Assessment
Original research and thesis.

Further information www.lancaster.ac.uk/depts/physics

Our PhD in Nanoscience offers training by research in several niche areas of Nanoscience and Nanotechnologies which is excelled by the experimentalists in the Quantum Technology Centre and theorists in the Centre for Nanoscale Dynamics at Lancaster.

In experimental nanoscience we offer projects in quantum technologies and development; studies of superconductor and semiconductor qubits and quantum circuits; quantum metrology; development quantum dot systems for quantum key distribution; studies of atomic two-dimensional materials including graphene, boron nitride, hexagonal metal chalcogenides and their heterostructures; development and applications of new scanning mechanical and thermal microscopy techniques; development of novel nanostructured materials for telecommunications and for energy applications. Using Lancaster’s world-leading expertise in cryogenics, we study nanostructures at the record-breaking low temperatures, in a sub-mK range.

In theoretical nanoscience, we offer projects in quantum transport and quantum Hall effect; mesoscopics and fundamentals of nanoelectronics; single-molecule electronics; quantum optics; quantum information processing. We develop theories of new atomic two-dimensional materials using the first principles density functional theory, quantum Monte Carlo modelling, and phenomenological theories. We develop theories of dynamics and kinetics in quantum systems in strongly non-equilibrium conditions using field theory methods. On the side of applied nanoscience, we model devices for electronics and optoelectronic applications.

Our doctoral students get access to the high-end research facilities in Physics: brand new nanofabrication facilities, MBE growth equipment, optical and electronic characterisation instruments, unique ultra-low temperature infrastructure, and high-performance computational facilities. Many of our projects are run in collaboration with world leading innovation companies including Bruker, Fiat, and Oxford Instruments. Research projects on two-dimensional materials are embedded into the wider scope of the European Graphene Flagship project and other collaborations with numerous research groups in Europe. The programme is supported by a selection of taught courses providing skills in modern research techniques, special scientific training and transferable skills courses.

MSc by Research in Physics

Duration
12 months full-time, 24 months part-time.

Entry requirements
Upper second class honours degree, or its equivalent, in a relevant subject.

IELTS
6.5 – lower grade admissions may be possible via separate pre-sessional English courses.

Assessment
Original research and dissertation.

Further information www.physics.lancs.ac.uk/study-here/postgraduate/masters-by-research

The MSc (by research) in Physics can be started at any time of the academic year, as agreed with your supervisor. You will define and manage an independent research project which will equip you for more sustained and original work at the doctoral level or for advanced level applied research positions in a range of organisations including industry, government and charities.

A feature of this programme is the flexibility required to support learning in a variety of educational and practical research contexts: either on campus or in industry depending on your individual circumstances.
All students will undergo a period of induction into the programme with their project supervisor. This will lead to the completion of a learning plan involving the student and the university, and where applicable an outside organisation. During the period of induction, supervisors will undertake a research training development needs analysis (DNA) and will make you aware of the research training opportunities offered by the Department, Faculty and University, as well as outside training opportunities.

At the end of the third month (full-time) or sixth month (part-time) you will submit a report which will enable your supervisor to offer formative feedback on, for example, your academic writing skills, progress to date and ability to synthesise information.

Finally, you will complete a dissertation based on your research which will be submitted for examination.

Our research interests

Experimental Elementary Particle Physics

The Large Hadron Collider (LHC, CERN): leading the ATLAS B-physics studies, investigating the origin of CP violation; major role in the study of the Higgs decays to tau leptons; studies of the top quark as a probe of new physics signatures; development of computing for ATLAS, and worldwide computing Grids; semiconducting tracking detectors for the high radiation levels in ATLAS, both to predict and minimise the loss of performance of the existing detector and to design a new detector for the ATLAS high-luminosity upgrade; leading the work on the software and computing for the upgrade.

Neutrino Oscillations (JPARC, Japan): CP violation in the neutrino sector; building the downstream module of the electromagnetic calorimeter which is part of the T2K ‘near detector’. Contributing to the research and development efforts on the design of the next generation of experiments at Fermilab and JPARC.

Accelerator Science and Technology (Daresbury, UK): development of new materials for RF cavities; design studies for a polarised positron source for an e+e- linear collider; and theory (with Cockcroft Institute).

The MSc by Research facilitates well focused, bespoke and novel research projects which are ideal for solving specific fundamental or applied physics problems, or for students who wish to gain independent research skills without a three year commitment.

Dr Oleg Kolosov, Reader in Experimental Condensed Matter Physics
Our research interests (continued)

Condensed Matter Physics

Microkelvin Physics: exotic phenomena in superfluid 3He; probing spin and dynamics of superfluid state through NMR; quasiparticle beam experiments to study unconventional (Andreev) ballistics and quantum turbulence; and cosmological implications of all experiments.

Dynamics and Turbulence: exploring turbulence in the restricted flow of superfluids; studying stochastic resonance (relevant to the ice-age cycle, ring lasers, and sensory neurons) and Brownian ratchets (the nanoscale motors responsible for protein transport in biological cells).

Biomedical Physics: non-linear physics applied to study the function of living systems; understanding oscillatory processes involved in energy transfer within the cardiovascular system and information transfer within the brain; analytical and numerical studies characterising nonlinear oscillatory interactions, tackling problems related to anaesthesia, ageing, cardiac failure, diabetes, hypertension and post-myocardial infarction.

Optoelectronics and Nanostructures: experiments on semiconductor, carbon-nanotube and graphene based optoelectronic and energy materials and devices; quantum dot and phase change memories; graphene based supercapacitors and rechargeable batteries; superconducting tunnel junctions and the development of advanced techniques for nanoscale characterisation of materials, devices and biomaterials; MBE (molecular beam epitaxy) growth of a variety of III-V compounds, with emphasis on mid-infrared (2-5µm) optoelectronics; spectroscopy and scanning probe microscopy (SPM) of quantum structures; and 2D materials; QEMS (quantum nano electro mechanical systems); new instrumental paradigms in nanotechnology by combining SPM with localised chemical fingerprinting, spectroscopic analysis, thermal measurements and ultrasonic imaging.

Theoretical Physics

Condensed Matter Theory: developing fundamental condensed matter theories; studies of new materials; modelling of experimentally investigated devices; 2D electron systems and the quantum Hall effect; strongly correlated one-dimensional quantum systems; electronic properties of graphene and carbon nanotubes; transport and dynamics in molecular electronic systems; theory of quantum dynamical systems; quantum dots, phase-coherent mesoscopic hybrid systems with superconducting, ferromagnetic and normal components, noise and counting statistics; and worldwide collaborations with two dozen experimental nanoscience centres and theory groups.

Particle Theory, Astrophysics and Cosmology: a leading centre for the development of inflationary cosmology and the structure formation in the early Universe; a new initiative in theoretical particle cosmology, string cosmology, and quantum theory of gravity to resolve cosmological and black hole singularities with the intention of making it the leading centre for its study in the UK; and developing insights into beyond the Standard Model physics from observations expected from CERN's LHC and ESA's Planck CMB satellite.

Electromagnetism, Geometry and Gravity: developing a fundamental understanding of the behaviour of charged media and their electromagnetic self-fields to be used in future accelerator and intense light source design. We collaborate globally and have a strong interaction with the Cockcroft Institute.
Psychology

Psychological research at Lancaster University is focused around two research centres, which reflect our internationally recognised programmes of research excellence.

The Centre for Research in Human Development and Learning draws together the University’s critical mass of psychologists working on fundamental questions surrounding typical and atypical development and learning from early infancy through to adulthood. Illustrative projects cover topics in: perception and social cognition in infancy; memory development in children; the effect on development of diversity in multicultural environments from social and cognitive perspectives; neurophysiological and neuropsychological markers of cognitive development and ageing; and language and literacy in typically and atypically developing populations.

The Centre is at the forefront of international research in development and learning, combining behavioural, computational, and neuroscientific methods for investigating human behaviour across the lifespan.

The Centre for Cognitive and Social Research comprises two units enabling interactions between cognitive, social and forensic approaches to flourish. The Perception and Embodied Cognition group includes auditory and visual processing in complex environments, the relationship between the body's actions and perception of the world, representation of time and space, and links between language and sensory systems. The Social Processes group conduct research on, for example, interpersonal trust, automated lie detection, the processes that underpin cooperation and violence, the interpersonal dynamics of crisis negotiations, effects of violent video games, non-conscious goals, the influence of accents on person perception and social categorisation, and attitudes toward people with intellectual disabilities.

Research degrees
- PhD

Taught Programmes
- MSc in Psychological Research Methods
- MSc in Developmental Psychology
- MSc in Developmental Disorders
- MSc in Psychology of Advertising
- MSc in Social Psychology

Number of postgraduate students
100

Head of Department
Professor Charlie Lewis

Postgraduate enquiries
Tel: +44(0)1524 594975
Fax: +44(0)1524 593744
Email: postgraduate.psychology@lancaster.ac.uk
www.psych.lancs.ac.uk
The two Centres offer cutting-edge facilities in their dedicated laboratories. We offer postgraduate research supervision in many topics for which staff have internationally recognised expertise, and which offer the opportunity for students to engage in ground-breaking work in theoretical development and its application. We are especially proud of our impeccable record in guiding our students towards the successful completion of their degrees within a nationally recognised time frame. This reflects the quality of our students and the constructive environment in which they work. We discuss some of the main research themes below, but we recommend that potential applicants contact and interact with specific staff to develop specific research proposals that are likely to be successful.

Members of both Centres also work closely with other departments within the University, particularly Computing and Communications, Linguistics, Economics, Educational Research, Law and Management Science. We welcome cross-cutting, interdisciplinary proposals, which allow research innovation and complementary approaches to be taken.

Research degrees

PhD

Entry requirements
Upper second class honours degree, or its equivalent, in a relevant subject. We often recommend that applicants have a Masters degree as foundational experience for a PhD programme, although this is considered on a case by case basis.

IELTS
6.5 or equivalent.

Assessment
Original research and thesis.

Further information
www.psych.lancs.ac.uk

Much of the research done by postgraduate students is closely connected with staff research projects, and proposals are welcomed from those who share our research interests.

Within our two Centres we draw together multiple perspectives to investigate theoretical and applied topics in psychological research. The themes listed overleaf provide a flavour of research projects currently underway in the Department.

Our research interests

Centre for Research in Human Development and Learning

Developmental Cognitive Neuroscience: members of this group use neurophysiological and behavioural measures, as well as computational modelling, to investigate development over the lifespan. Areas of investigation include object processing and categorisation, multisensory integration, perception of action and biological motion, development of emotion processing, social cognition and early communication, and psychopharmacology.

Social and Perceptual Development: members of this group study social and perceptual processes in infancy and early childhood. Research areas include object perception, spatial perception and navigation, early language acquisition, understanding of pictures and words in children with autism, social understanding in autism, development of empathy, the role of the father in development, markers and rehabilitation in Alzheimer’s and Parkinson's disease.

This Masters degree is a unique opportunity for those who are interested in how psychology can provide insights that drive advertising strategy and to hone their skills and experience in preparation for this career path.

Rebecca Strong, Psychology of Advertising
Language, Memory and Literacy: research in this group addresses vocabulary development and early communication, development of reading and listening comprehension, effects of experience on reading ability, the understanding of adult cognition as an outcome of development, integration across multiple modalities, concept acquisition, the role of sleep in learning, mathematical cognition, working memory and executive functioning.

Centre of Cognitive and Social Research

Perception and Embodied Cognition: research in this group includes auditory and visual processing in complex environments, the relationship between the body’s actions and perception of the world, representation of time and space, and links between language and sensory systems.

Social Processes: members of this group conduct research on, for example, interpersonal trust, automated lie detection, the processes that underpin cooperation and violence, the interpersonal dynamics of crisis negotiations, effects of violent video games, non-conscious goals, the influence of accents on person perception and social categorisation, and attitudes toward people with intellectual disabilities.

Taught programmes

MSc in Psychological Research Methods

Duration
12 months full-time,
24 months part-time.

Entry requirements
Upper second class honours degree in Psychology, or its equivalent, including research design and statistical methods.

IELTS
6.5 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.psych.lancs.ac.uk

This course provides ESRC accredited research training for graduates whose first degree contains a significant component of psychology. It is especially suited to applicants who wish to progress to a PhD, or wish to develop their research skills in preparation for further professional training (e.g. Clinical, Forensic, Educational, Health, Occupational Psychology), or who require additional training in psychological research methods to apply to their work environment.

The course consists of taught modules followed by an independent project supervised by a member of staff and resulting in an MSc dissertation.

Compulsory modules
- Conducting and Presenting Psychological Research
- Statistics for Psychological Research (two modules)
- Research Dissertation

Optional modules
(Choose two from topics in the following areas, courses vary year-to-year):
- Applied Aspects of Psychology
- Cognitive Psychology
- Developmental Psychology
- Neuroscience
- Social Psychology

For more information please go to www.lancaster.ac.uk
Taught programmes (continued)

MSc in Developmental Psychology

Duration
12 months full-time, 24 months part-time.

Entry requirements
Upper second class honours degree, or its equivalent, in Psychology or a related discipline.

IELTS
6.5 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.psych.lancs.ac.uk

The primary aim of this MSc is to provide you with an advanced knowledge of the methods, analytical techniques, theories and major findings in a range of important sub-areas of developmental psychology. This course provides ESRC accredited training.

You will study compulsory and optional modules that will provide you with foundational theoretical knowledge and skills in research, design and statistics. Examples of optional modules are Cognitive Psychology and Neuroscience. These are delivered through a variety of teaching methods, including: lectures, interactive discussion sessions, direct practical experience of modelling developmental phenomena, and gathering, analysing and presenting developmental data. You will finish with a research dissertation in which you develop your ideas in the context of one to one supervision with a member of the developmental psychology team.

The course is aimed at graduates who wish to progress to a PhD in developmental psychology, or seek to boost their research skills en route to clinical or educational psychology training. It is also designed for graduates who require additional developmental knowledge to apply to their work environment.

Compulsory modules
● Conducting and Presenting Psychological Research
● Developmental Psychology
● Research Dissertation
● Statistics for Psychological Research (two modules)

Optional modules
(Choose from topics in the following areas, courses vary year-to-year):
● Applied Aspects of Psychology
● Cognitive Psychology
● Developmental Psychology
● Neuroscience
● Social Psychology

MSc in Developmental Disorders

Duration
12 months full-time, 24 months part-time.

Entry requirements
Normally an upper second class honours degree, or its equivalent, in Psychology or a related discipline.

IELTS
6.5 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.psych.lancs.ac.uk

This MSc promotes knowledge of developmental psychology with a focus on atypical development across the lifespan. Through taught modules you will acquire advanced knowledge of the theories and major findings in this field, and develop expertise in the methods and analytic techniques used in research. The dissertation is an important component of the course, in which you will develop your own original psychological research project under expert supervision. This course provides ESRC accredited research training.

This course is aimed at graduates wishing to enter an applied or research career in developmental disabilities, and is beneficial for students who wish to progress to a PhD in clinical, educational, or experimental psychology. It is also suited to those who wish to boost their research skills en route to, or after, behavioural therapy or clinical or educational psychology training.

Compulsory modules
● Conducting and Presenting Psychological Research
● Developmental Disorders
● Developmental Psychology
● Research Dissertation
● Statistics for Psychological Research

Optional modules
(Choose from topics in the following areas, courses vary year-to-year):
● Applied Aspects of Psychology
● Cognitive Psychology
● Developmental Psychology
● Neuroscience
● Social Psychology
MSc in Psychology of Advertising

Duration
12 months full-time, 24 months part-time.

Entry requirements
Upper second class honours degree, or its equivalent, in Psychology, Advertising, Marketing or any related discipline.

IELTS
6.5 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.psych.lancs.ac.uk

This novel MSc is designed to link psychological research skills and knowledge of human behaviour with the domain of advertising. A major feature of the course is the integration of theory with the practical reality of advertising. As well as developing an understanding of advertising research design, you will undertake dissertation research that applies psychological theory to leading-edge issues in advertising or to real-time commercial needs. This is conducted within an unpaid internship during the summer term with a communications organisation (giving invaluable commercial experience), or within the postgraduate department for more specialised ‘lab based’ experiments. This course provides ESRC accredited training.

During the course, you will experience both academic and practitioner contributions, and will acquire a firm understanding of issues such as:

How is success predicted by the characteristics of people receiving advertising media as well as the characteristics of those who develop the media? What causes campaigns to fail? How cognitive, social, developmental and neuropsychological factors combine to influence advertising communications, and much more.

You will be well placed for client or agency opportunities in advertising planning, marketing communications, media planning, digital marketing, brand planning, and qualitative research on graduation.

Compulsory modules
- Advanced Advertising Theory
- Analysing and Interpreting Data
- Analysing Talk and Text
- Dissertation
- Practical Advertising Research and Planning
- Psychological Aspects of Advertising

MSc in Social Psychology

Duration
12 months full-time, 24 months part-time.

Entry requirements
Upper second class honours degree, or its equivalent, in Psychology or in any related discipline.

IELTS
6.5 or equivalent.

Assessment
Coursework and dissertation.

Further information
www.psych.lancs.ac.uk

This course increases your understanding of key theories, methods and findings in Social Psychology. You will learn how to do your own social psychological research and to apply social psychology to solving social problems.

It is aimed at those who wish to progress to a PhD in Social Psychology or wish to boost their research skills en route, or part way through, a career in a related field of inquiry (e.g. education, research or applied social science). Social Psychology is beneficial in a wide range of professions including Civil Service, non-governmental organisations (NGOs), public and voluntary sector agencies, and social science professions.

This course offers a number of options and methodological foci, which give students the flexibility to focus on the areas of social psychology they find most interesting. Students can choose, for example, to concentrate on qualitative social psychology; experimental social psychology; social psychology and language; motivation and emotions.

You will complete core modules in Social Psychology and Conducting and Presenting Psychological Research; two modules of three offered in Quantitative and Qualitative Research Methods; and then pursue a further option towards a particular aspect of Social Psychology, which you may follow up in your research project and dissertation.

Compulsory modules
- Analysis for Psychological Research
- Conducting and Presenting Psychological Research
- Research Dissertation
- Social Psychology

Optional modules
(Choose from topics in the following areas, courses vary year-to-year):
- Applied Aspects of Psychology
- Cognitive Psychology
- Developmental Disorders
- Developmental Psychology
- Neuroscience

For more information please go to www.lancaster.ac.uk
Essential information
Travel details

Lancaster University is set in 360 acres of parkland and lies approximately three miles south of the City of Lancaster. The campus is easily accessible and is within 70 miles of Manchester’s International Airport.

By taxi
Taxi services are available from the rail and bus stations and can be contacted on:
Tel: (01524) 32090; (01524) 35666; or (01524) 848848. Taxi ranks are also located on campus.

By rail
There are direct rail links between Lancaster and many of the UK’s major cities and airports. The 3A bus service runs every 30 minutes from the University to Lancaster Railway Station (service X4 is hourly on term-time Sundays). Taxis are available at the station, which is a five minute walk from the city centre.

By bus
For bus information call ‘Traveline’ on Tel: 0871 200 22 33.

In the City: The bus station is situated on Damside Street in the City Centre. Buses (services 2, 2A, 3, 4, 41, 42) leave for the University every five minutes on weekdays and most services also stop at Common Garden Street. Additionally, the 3A bus service runs every 30 minutes between Lancaster Railway Station and the University (service X4 is hourly on term-time Sundays).

By car
Leave the M6 motorway at junction 33 and take the A6 north towards Lancaster.
For Lancaster University main campus – turn right at the third set of traffic lights on the A6 into the University main drive.

By air
From Manchester International Airport take the M56 motorway at junction 5 and join the M6 motorway at junction 20 (north) then follow the directions ‘By Car’. An hourly rail link runs between the airport and Lancaster.

On campus: All buses drop off and collect passengers in the Underpass, situated underneath Alexandra Square. Additionally, services 3, 4, 41 and 42 serve the southern perimeter road around Alexandra Park. There is also a bus stop directly outside the Sports Centre on the main drive.

Car parking
Visitor car parking is available on campus 24/7 and is free after 6pm and at weekends.
If you’re visiting the campus during the day then parking charges do apply and can be purchased from any of the 11 pay and display machines across campus at a cost of £2 for two hours. Chip and pin card payment facilities are available at most machines. Alternatively, all-day visitor scratch cards are available from the cashiers’ desk in University House priced at £5 each.
# Taught programme index

<table>
<thead>
<tr>
<th>Course title</th>
<th>Degree</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting and Financial Management</td>
<td>MRes</td>
<td>129</td>
</tr>
<tr>
<td>Accounting and Financial Management</td>
<td>MSc</td>
<td>130</td>
</tr>
<tr>
<td>Advanced Marketing Management</td>
<td>MSc/MRes</td>
<td>162/163</td>
</tr>
<tr>
<td>Advanced Social Work</td>
<td>MA/PgDip/PgCert</td>
<td>92</td>
</tr>
<tr>
<td>Aerospace Safety Engineering</td>
<td>PgCert</td>
<td>185</td>
</tr>
<tr>
<td>Applied Bioscience and Business Management</td>
<td>PgCert</td>
<td>108</td>
</tr>
<tr>
<td>Art by Research</td>
<td>MA</td>
<td>35</td>
</tr>
<tr>
<td>Bioethics and Medical Law</td>
<td>LLM/MA</td>
<td>61</td>
</tr>
<tr>
<td>Biomedicine</td>
<td>MSc</td>
<td>104</td>
</tr>
<tr>
<td>Business Administration Executive Mode</td>
<td>MBA</td>
<td>144</td>
</tr>
<tr>
<td>Business Administration Full-time Mode</td>
<td>MBA</td>
<td>142</td>
</tr>
<tr>
<td>Business Management with Energy and Fuels from Waste</td>
<td>PgCert</td>
<td>108</td>
</tr>
<tr>
<td>Child Welfare</td>
<td>MRes</td>
<td>90</td>
</tr>
<tr>
<td>Child Welfare Practice</td>
<td>PgCert</td>
<td>92</td>
</tr>
<tr>
<td>Clinical Research</td>
<td>PgCert/MSc</td>
<td>122/123</td>
</tr>
<tr>
<td>Cognitive Behaviour Therapy in Primary Care</td>
<td>PgDip</td>
<td>117</td>
</tr>
<tr>
<td>Communication Systems</td>
<td>MSc</td>
<td>178</td>
</tr>
<tr>
<td>Computer Science</td>
<td>MSc</td>
<td>178</td>
</tr>
<tr>
<td>Conflict Resolution and Peace Studies</td>
<td>MA</td>
<td>78</td>
</tr>
<tr>
<td>Conflict, Development and Security</td>
<td>MA</td>
<td>76</td>
</tr>
<tr>
<td>Contamination, Risk Assessment and Remediation</td>
<td>MSc/PgCert</td>
<td>192</td>
</tr>
<tr>
<td>Contemporary Arts Consultancy</td>
<td>MA</td>
<td>36</td>
</tr>
<tr>
<td>Creative Writing</td>
<td>MA</td>
<td>47</td>
</tr>
<tr>
<td>Creative Writing (Distance Learning)</td>
<td>MA</td>
<td>47</td>
</tr>
<tr>
<td>Cyber Security</td>
<td>MSc</td>
<td>179</td>
</tr>
<tr>
<td>Data Science</td>
<td>MSc</td>
<td>180</td>
</tr>
<tr>
<td>Data Science for the Environment</td>
<td>MSc</td>
<td>192</td>
</tr>
<tr>
<td>Design by Research</td>
<td>MA</td>
<td>35</td>
</tr>
<tr>
<td>Design Management</td>
<td>MA</td>
<td>36</td>
</tr>
<tr>
<td>Developmental Disorders</td>
<td>MSc</td>
<td>218</td>
</tr>
<tr>
<td>Developmental Psychology</td>
<td>MSc</td>
<td>218</td>
</tr>
<tr>
<td>Diplomacy and Foreign Policy</td>
<td>MA</td>
<td>76</td>
</tr>
<tr>
<td>Diplomacy and International Law</td>
<td>LLM/MA</td>
<td>61/76</td>
</tr>
<tr>
<td>Diplomacy and International Law (Distance Learning)</td>
<td>MA/LLM</td>
<td>77</td>
</tr>
<tr>
<td>Diplomacy and International Relations (by Distance Learning)</td>
<td>MA</td>
<td>77</td>
</tr>
<tr>
<td>Diplomacy and Religion</td>
<td>MA</td>
<td>78</td>
</tr>
<tr>
<td>Discourse Studies</td>
<td>MA</td>
<td>67</td>
</tr>
<tr>
<td>Course title</td>
<td>Degree</td>
<td>Page</td>
</tr>
<tr>
<td>----------------------------------------------------------------</td>
<td>-------------------------</td>
<td>------</td>
</tr>
<tr>
<td>E-Business and Innovation</td>
<td>MSc/PgDip</td>
<td>139</td>
</tr>
<tr>
<td>Ecology and Conservation</td>
<td>MSc/PgCert</td>
<td>193</td>
</tr>
<tr>
<td>Energy and the Environment</td>
<td>MSc</td>
<td>194</td>
</tr>
<tr>
<td>English Language (by distance)</td>
<td>MA</td>
<td>68</td>
</tr>
<tr>
<td>English Language and Literary Studies</td>
<td>MA</td>
<td>68</td>
</tr>
<tr>
<td>English Literary Research</td>
<td>MA</td>
<td>45</td>
</tr>
<tr>
<td>English Literary Studies (with pathways)</td>
<td>MA</td>
<td>46</td>
</tr>
<tr>
<td>Entrepreneurship, Innovation and Practice</td>
<td>MSc/PgDip</td>
<td>148</td>
</tr>
<tr>
<td>Environment and Development</td>
<td>MA/MSc/PgCert</td>
<td>196</td>
</tr>
<tr>
<td>Environment and Law</td>
<td>LLM/MA</td>
<td>62</td>
</tr>
<tr>
<td>Environment, Culture and Society</td>
<td>MA/MSc</td>
<td>97/197</td>
</tr>
<tr>
<td>Environmental and Biochemical Toxicology</td>
<td>MSc</td>
<td>195</td>
</tr>
<tr>
<td>Environmental Management and Consultancy</td>
<td>MA</td>
<td>198</td>
</tr>
<tr>
<td>Environmental Science and Technology</td>
<td>MSc/PgCert</td>
<td>199</td>
</tr>
<tr>
<td>Film Studies by research</td>
<td>MA</td>
<td>35</td>
</tr>
<tr>
<td>Finance</td>
<td>MRes</td>
<td>132</td>
</tr>
<tr>
<td>Finance</td>
<td>MSc</td>
<td>130</td>
</tr>
<tr>
<td>Financial Analysis</td>
<td>MSc</td>
<td>131</td>
</tr>
<tr>
<td>Gender and Women's Studies</td>
<td>MA</td>
<td>51</td>
</tr>
<tr>
<td>Gender and Women's Studies and English</td>
<td>MA</td>
<td>52</td>
</tr>
<tr>
<td>Gender and Women's Studies and Sociology</td>
<td>MA</td>
<td>52</td>
</tr>
<tr>
<td>History</td>
<td>MA</td>
<td>54</td>
</tr>
<tr>
<td>Human Resource and Knowledge Management</td>
<td>MSc</td>
<td>166</td>
</tr>
<tr>
<td>Human Resources and Consulting</td>
<td>MA</td>
<td>154</td>
</tr>
<tr>
<td>Human Rights and the Environment</td>
<td>LLM/MA</td>
<td>63</td>
</tr>
<tr>
<td>Information Technology, Management and Organisational Change</td>
<td>MRes</td>
<td>138</td>
</tr>
<tr>
<td>Information Technology, Management and Organisational Change</td>
<td>MSc/PgDip</td>
<td>140</td>
</tr>
<tr>
<td>Innovation and Improvement Science</td>
<td>PgCert/PgDip/MSc</td>
<td>106</td>
</tr>
<tr>
<td>International Business</td>
<td>MRes</td>
<td>138</td>
</tr>
<tr>
<td>International Business</td>
<td>MSc/PgDip</td>
<td>140</td>
</tr>
<tr>
<td>International Business and Corporate Law</td>
<td>LLM</td>
<td>58</td>
</tr>
<tr>
<td>International Executive Management</td>
<td>MSc</td>
<td>167</td>
</tr>
<tr>
<td>International Human Rights and Terrorism Law</td>
<td>LLM</td>
<td>60</td>
</tr>
<tr>
<td>International Human Rights Law</td>
<td>LLM</td>
<td>59</td>
</tr>
<tr>
<td>International Innovation</td>
<td>MSc</td>
<td>148</td>
</tr>
<tr>
<td>International Law</td>
<td>LLM</td>
<td>60</td>
</tr>
<tr>
<td>International Law and International Relations</td>
<td>LLM/MA</td>
<td>62/78</td>
</tr>
<tr>
<td>Course title</td>
<td>Degree</td>
<td>Page</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>---------------------</td>
<td>------</td>
</tr>
<tr>
<td>International Masters in Environmental Science and Technology</td>
<td>MSc (Research)</td>
<td>202</td>
</tr>
<tr>
<td>International Masters in Sustainable Agriculture and Food Security</td>
<td>MSc (Research)</td>
<td>203</td>
</tr>
<tr>
<td>International Relations</td>
<td>MRes/MA</td>
<td>74/75</td>
</tr>
<tr>
<td>Language and Linguistics</td>
<td>MA</td>
<td>69</td>
</tr>
<tr>
<td>Language Testing (by distance)</td>
<td>MA</td>
<td>69</td>
</tr>
<tr>
<td>Languages and Cultures (by research)</td>
<td>MA</td>
<td>48</td>
</tr>
<tr>
<td>Law</td>
<td>LLM/PgDip</td>
<td>64</td>
</tr>
<tr>
<td>Leadership and Management</td>
<td>PgCert</td>
<td>109</td>
</tr>
<tr>
<td>Leadership and Management (Health Care)</td>
<td>PgCert</td>
<td>109</td>
</tr>
<tr>
<td>Logistics and Supply Chain Management (L and SCM)</td>
<td>MSc</td>
<td>159</td>
</tr>
<tr>
<td>Management (with pathways)</td>
<td>MSc</td>
<td>141</td>
</tr>
<tr>
<td>Management Science</td>
<td>MRes</td>
<td>158</td>
</tr>
<tr>
<td>Management Science and Marketing Analytics (MS and MA)</td>
<td>MSc</td>
<td>159</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>MSc/PgDip</td>
<td>184</td>
</tr>
<tr>
<td>Media and Cultural Studies</td>
<td>MA</td>
<td>97</td>
</tr>
<tr>
<td>Medical Education</td>
<td>PgCert/PgDip/MSc</td>
<td>107</td>
</tr>
<tr>
<td>Medical Leadership</td>
<td>PgCert/PgDip/MSc</td>
<td>107</td>
</tr>
<tr>
<td>Money, Banking and Finance</td>
<td>MSc/MRes</td>
<td>135</td>
</tr>
<tr>
<td>Nuclear Science and Engineering</td>
<td>PgCert</td>
<td>186</td>
</tr>
<tr>
<td>Operational Research and Management Science (OR and MS)</td>
<td>MSc</td>
<td>159</td>
</tr>
<tr>
<td>Organisational Change</td>
<td>PgCert</td>
<td>109</td>
</tr>
<tr>
<td>Organisational Change (Health Care)</td>
<td>PgCert</td>
<td>109</td>
</tr>
<tr>
<td>Philosophy</td>
<td>MA</td>
<td>81</td>
</tr>
<tr>
<td>Philosophy</td>
<td>PgCert</td>
<td>82</td>
</tr>
<tr>
<td>Philosophy and Religion</td>
<td>MA</td>
<td>81</td>
</tr>
<tr>
<td>Political Theology for Peace</td>
<td>PgCertA</td>
<td>80</td>
</tr>
<tr>
<td>Politics</td>
<td>MA</td>
<td>75</td>
</tr>
<tr>
<td>Politics and International Relations</td>
<td>PgCert</td>
<td>80</td>
</tr>
<tr>
<td>Politics and Philosophy</td>
<td>MA</td>
<td>79</td>
</tr>
<tr>
<td>Politics, Philosophy and Management</td>
<td>MSc</td>
<td>166</td>
</tr>
<tr>
<td>Politics, Philosophy and Religion</td>
<td>MA</td>
<td>79</td>
</tr>
<tr>
<td>Professional Development</td>
<td>PgCert</td>
<td>110</td>
</tr>
<tr>
<td>Professional Practice via Negotiated Work Based Learning</td>
<td>PgCert/PgDip/MSc/MA</td>
<td>110</td>
</tr>
<tr>
<td>Project Management</td>
<td>MSc</td>
<td>151</td>
</tr>
<tr>
<td>Psychological Research Methods</td>
<td>MSc</td>
<td>217</td>
</tr>
<tr>
<td>Psychology of Advertising</td>
<td>MSc</td>
<td>219</td>
</tr>
<tr>
<td>Quaker Studies</td>
<td>PgCert</td>
<td>83</td>
</tr>
<tr>
<td>Quakerism in the Modern World</td>
<td>MA</td>
<td>83</td>
</tr>
<tr>
<td>Course title</td>
<td>Degree</td>
<td>Page</td>
</tr>
<tr>
<td>-------------------------------------------------------------------</td>
<td>-------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Quantitative Finance</td>
<td>MSc</td>
<td>132</td>
</tr>
<tr>
<td>Quantitative Methods for Science, Social Science and Medicine</td>
<td>MSc/PgDip/PgCert</td>
<td>208/209</td>
</tr>
<tr>
<td>Religion and Conflict</td>
<td>MA</td>
<td>79</td>
</tr>
<tr>
<td>Religious Studies</td>
<td>MA</td>
<td>82</td>
</tr>
<tr>
<td>Religious Studies</td>
<td>PgCert</td>
<td>84</td>
</tr>
<tr>
<td>Resource and Environmental Management</td>
<td>MSc</td>
<td>200</td>
</tr>
<tr>
<td>Safety Engineering</td>
<td>MSc/PgDip/PgCert</td>
<td>184</td>
</tr>
<tr>
<td>Smart Systems Engineering</td>
<td>MSc/PgDip</td>
<td>185</td>
</tr>
<tr>
<td>Social Psychology</td>
<td>MSc</td>
<td>219</td>
</tr>
<tr>
<td>Social Work</td>
<td>MA/PgDip</td>
<td>91</td>
</tr>
<tr>
<td>Sociological Research</td>
<td>MA</td>
<td>95</td>
</tr>
<tr>
<td>Sociology</td>
<td>MA</td>
<td>96</td>
</tr>
<tr>
<td>Sources and Approaches in Regional and Local History</td>
<td>PgCert</td>
<td>55</td>
</tr>
<tr>
<td>Statistics</td>
<td>MSc/PgDip</td>
<td>208</td>
</tr>
<tr>
<td>Statistics and Operational Research (STOR-i)</td>
<td>MRes</td>
<td>158/207</td>
</tr>
<tr>
<td>Sustainable Agriculture and Food Security</td>
<td>MSc/PgCert</td>
<td>200</td>
</tr>
<tr>
<td>Sustainable Water Management</td>
<td>MSc/PgCert</td>
<td>201</td>
</tr>
<tr>
<td>Teaching English as a Foreign Language (TEFL)</td>
<td>MA</td>
<td>70</td>
</tr>
<tr>
<td>Teaching English to Speakers of Other Languages (TESOL, by distance)</td>
<td>MA</td>
<td>71</td>
</tr>
<tr>
<td>Teaching English to Speakers of Other Languages (TESOL, delivered in Hong Kong)</td>
<td>MA</td>
<td>71</td>
</tr>
<tr>
<td>Teaching English to Speakers of Other Languages (TESOL, Lancaster)</td>
<td>MA</td>
<td>70</td>
</tr>
<tr>
<td>Theatre and Performance by Research</td>
<td>MA</td>
<td>35</td>
</tr>
<tr>
<td>Volcanology and Geological Hazards</td>
<td>MSc</td>
<td>202</td>
</tr>
</tbody>
</table>
Official overseas representatives

We have official representatives in the following countries. Please contact them directly for further information.

**Lancaster offices**

**Cyprus**
Mr Andros Papadopoulos
34, 28 October Avenue
Office 102
Makedonitissa
2414 Engomi
Nicosia
Cyprus
Tel: +357 2235 3321
Email: a.papadopoulos2@lancaster.ac.uk

**West Africa**
Regional Officer, West Africa
Ebun O. Ejirinde
Study Group Regional Office
First Business Alliance Suites
2nd Floor, Plot 5
Chief Yesuf Abiodun Street
(Off Ligali Ayorinde Street & adjacent to City of David Church)
Victoria Island
Lagos
Nigeria
Tel: +234 70 9810 3529
Mobile: +234 90 9569 3971
Email: e.ejirinde@lancaster.ac.uk

**Overseas representatives**

**Azerbaijan**
Azeri Student
Tel: +994 50 291 7999
Email: rasim@azeristudent.az
www.azeristudent.az

Kaspi Education Center
Tel: +994 12 510 7966
Email: sajjat@kaspi.edu.az
www.kaspi.edu.az

**Bulgaria**
Integral
Tel: +359 2 8050 600
Email: integral@integral.bg
www.integral.bg

**China**
D&LT Harbin
Tel: +86 451 8232 9497
Email: info@edubridge.com.cn
www.edubridge.cn

Dongfang International Center for Educational Exchange
Tel: +86 10 6641 1821 ext.629
Email: eua@cscdf.org
www.cscdf.org

EIC Group
Tel: +86 (20) 2282 1688
Email: uk@eic.org.cn
www.eic.org.cn

JJL
Tel: +86 10 6568 5656
Email: serviceuk4@jjl.cn
www.jjl.cn

Promising Education
Tel: +86 21 6468 3535
Email: Beijing@promisingedu.com
www.nuosi.org

UKEAS
Email: info@ukeas-china.com

**Dubai**
IQ Education Consultants
Tel: + 971 4 4259 4478
Email: dubai@iqeducationconsultants.com
www.iqeducationconsultants.com

**Greece**
Dimitris Valsamis
Tel: +30 210 524 8300
Email: valsamis@fcollage.gr

**Hong Kong**
Amber Education Hong Kong
Tel: +85 223 779 115
Email: amberhk@amberedu.com.hk
www.amberedu.com.hk

Hong Kong Education Web Ltd
Tel: +852 2272 2800
Email: ieu@education.com.hk
www.education.com.hk

**India**
‘The Chopras’ (Head Office – Delhi)
Tel: +91 11 4160 8466
Email: delhi@thechopras.com
www.thechopras.com

Edwise International
(Head Office – Mumbai)
Tel: +91 22 4081 3333 / 2200 3338
Email: ho@edwiseinternational.com
www.edwiseinternational.com

**Japan**
British Education Office
(Head Office – Tokyo)
Tel: +81 3 5367 3315
Email: study@beo.jp
www.beo.co.jp

**Essential information – Official overseas representatives**
Indonesia
King’s IBEC
Tel: +62 21 574 5244
Email: info@ibec.or.id
www.ibec.or.id

Kazakhstan
ICC Plus Agency – Almaty
Tel: +7 727 263 54 18
Email: office@iccplus.kz
www.iccplus.kz

ICC Plus Agency – Astana
Tel: +7 701 971 7798 / 717 221 0459
Email: office@iccplus.kz
www.iccplus.kz

Intellect Agency – Almaty
Tel: +7 727 375 1708 / 375 3038
Email: info@intellect.kz
www.intellect.kz

Study Innovations
Tel: +7 727 244 59 44
Email: ekaterina@studyinn.kz
www.studyinn.kz

Malaysia
MABECS Sdn Bhd
Tel: +60 3 7956 7655 / 7956 7439
Email: ukdegrees@mabecs.com
www.mabecs.com

Mexico
Across The Pond
Tel: +52 55 8421 4929
Email: info@studyacross
thepond.com
www.studyacrossthepond.com

Nigeria
KOT Educational Services
and Tours Ltd
Tel: +234 80 3309 2794
Email: imahadegoke@yahoo.com
www.koteducation.co.uk

Norway
Across The Pond
Tel: +47 4140 8093
Email: info@studyacross
thepond.com
www.studyacrossthepond.com

Russia
Znaniye – Centre Study Group
Tel: +7 495 225 4443
Email: info@znaniye.ru
www.znaniye.ru

ITEC
Tel: +7 495 708 4242
Email: info@itec.com.ru
www.itec.com.ru

Saudi Arabia
IEC Abroad Ltd – Saudi Arabia
Tel: +966 2682 1285
Email: jeddah@iecabroad.com
www.iecabroad.com

A2Z Management
Tel: +966 1419 7662
Email: apps@a2zmgt.com

South Korea
EDM Education
Tel: +82 2562 1278
Email: admin@londonuhak.com
www.edmedu.com

Taiwan
UKEAS
Tel: +8862 2370 9780
Email: taipei@ukeas.com
www.ukeas.com.tw

Thailand
Hands on Educations Consultants
– Bangkok
Tel: +66 2635 5230
Email: info@hands-on.co.th
www.hands-onconsultants.com

Mentor International – Bangkok
Tel: +66 2255 5157-9
Email: info@mentor.ac
www.mentor.ac

Turkey
BEB Education Consultancy
Tel: +90 212 244 4000
Email: istanbul@britisheducation.com.tr
www.britisheducation.com.tr

British Side
Tel: +90 212 327 5151
Email: educationcounselling
@britishside.com
www.britishside-edu.com

UK
IEC Abroad Ltd – United Kingdom
Tel: +44 161 233 4295
Email: admissions@iecabroad.com
www.iecabroad.com

USA
Across The Pond
Tel: +1 978 662 5167
Email: info@studyacross
thepond.com
www.studyacrossthepond.com

Vietnam
ISC–UKEAS
Tel: +84 4 3941 1906
Email: hanoi@isc-ukeas.com
www.isc-ukeas.com

GSE – BEO
Tel: +84 4 3771 3561
Email: Hanoi@gse-beo.edu.vn
www.gse-beo.edu.vn

If your country is not listed above
please contact the International
Office: internationaloffice@lancaster.ac.uk

For our most up-to-date list of
official overseas representatives
please visit www.lancaster.ac.uk/
study/international-students/find-your-country

For more information please go to www.lancaster.ac.uk
Contacts

Postal Address
Lancaster University
Lancaster
LA1 4YW
Tel: +44 (0)1524 65201
www.lancaster.ac.uk

Arts, Humanities and Social Science programmes
Postgraduate Admissions
Faculty of Arts and Social Sciences
Lancaster University
Lancaster LA1 4YL
Tel: +44 (0)1524 510880
Email: fass-pg-admissions@lancaster.ac.uk

Business and Management (LUMS) programmes
Postgraduate Admissions
Management School
Lancaster University
Lancaster LA1 4YX
Tel: +44 (0)1524 510733
Email: gms@lancaster.ac.uk

Health and Medicine programmes
Postgraduate Admissions
Faculty of Health and Medicine
Lancaster University
Lancaster LA1 4YN
Tel: +44 (0)1524 593936
Email: fhm-pg-admissions@lancaster.ac.uk

Science, Engineering and Technology programmes
Postgraduate Admissions
Faculty of Science and Technology
Lancaster University
Lancaster LA1 4YR
Tel: +44 (0)1524 593795
Email: fst-pg-admissions@lancaster.ac.uk

Disclaimer

The University makes all reasonable efforts to ensure that the information in this Prospectus is correct at the time of printing (September 2014). The University makes all reasonable efforts to provide the degree schemes, tuition and learning support and research opportunities and other services and facilities with reasonable care and skill and in the way described in this Prospectus. However, the University shall be entitled if it reasonably considers it to be necessary (including in order to manage its resources and to improve the quality of its provision) to make reasonable changes to this provision including:

- to make changes to (for example) the content and syllabus of courses and methods of teaching and assessment (including in relation to placements);
- to combine courses with others, suspend or discontinue courses (for example, because a key member of staff is unwell or leaves the University and cannot reasonably be replaced);
- to make changes to its statutes, ordinances, regulations, policies and procedures (for example, in the light of changes in the law or the requirements of the University’s regulators);
- to make changes to the terms of the financial awards it offers (for example, in light of Government announcements).

In the unlikely event that the University discontinues or does not provide a degree scheme or changes it significantly before it begins, the University will tell relevant individuals at the earliest possible opportunity. An individual will be entitled to withdraw from the degree scheme by telling the University in writing within a reasonable time of being informed of the change. The University will make available to students such learning support and other services and facilities as it considers appropriate but may vary what it provides and how it provides it from time to time (for example, the University may consider it desirable to change the way it provides library or IT support).

Neither you nor the University shall be liable for any delay in performing or non-performance of any of your or its obligations, other than an obligation to make a payment, if caused by circumstances beyond your or its reasonable control including, without limitation, any of the following: act of God, governmental act, industrial action, strikes, lockouts, fire, flood, earthquake, bad weather conditions, explosion, civil commotion, war, terrorist attack, technical failure, or power failure.

The willingness of the University to consider an application is no guarantee of acceptance. Students are admitted to the University on the basis that the information they provide on their application form is complete and correct.

Essential information – Contacts
Postgraduate Open Day

Wednesday 25th February 2015

www.lancaster.ac.uk/postgraduate-visit-days

- Find out about funding and postgraduate study at Lancaster
- Talk through your options with our academic and admissions staff and meet some of our students
- View our accommodation and facilities