Postgraduate Prospectus 2019
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Why Choose Heriot-Watt

Heriot-Watt is one of the world’s leading universities with strong links to international business and industry driven by our established reputation as a top research-led institution.

With a rich heritage stretching back to 1821, we are a truly global university bringing together scholars who are leaders in ideas and solutions delivering innovation, educational excellence and ground-breaking research.

“Thanks to its international reputation and campuses in Scotland, Dubai and Malaysia, Heriot-Watt University provides the opportunity for students to work abroad, experiencing different parts of the world. I had great support from my lecturers, who were always ready to help and be available. Heriot-Watt is also the perfect place to focus on studying, because the campus is out of the city and the library is open 24 hours. I would say take full advantage of this experience, and of every opportunity the University offers, such as workshops and organised trips. It helps from a professional and personal perspective, as it increases students’ knowledge in their chosen field, as well as the opportunity to build relationships with other students.”

Nastassia Iswari, from Italy
MSc International Marketing Management with Digital Marketing
STUDY AT HERIOT-WATT UNIVERSITY
FROM TOP 10 RANKINGS TO STUDY ABROAD OPTIONS, THERE ARE MANY REASONS TO CHOOSE HERIOT-WATT. HERE ARE JUST A FEW OF THEM.

A RICH HERITAGE
We are proud that since our foundation in 1821 we have been outward-looking pioneers of education, in pursuit of knowledge to the benefit of society and the world.

GLOBAL REACH
We are a truly global university with around 29,000 students, five campuses and over 100 learning partners around the world. We are one of Scotland's most international universities; around a third of Heriot-Watt students in Edinburgh are from outside the UK.

WORLD-CLASS EXPERTS
We are world-renowned for excellence in teaching and research. We are ranked in the top 30 universities in the UK (The Guardian University League Table 2018) and in the top 10 in the UK and first in Scotland for research impact (REF 2014).

STRONG LINKS TO BUSINESS AND INDUSTRY
Our taught programmes and research are informed by the needs of business and industry. We actively facilitate collaborations and partnerships, building strategic alliances and promoting knowledge transfer.

GLOBALLY EMPLOYABLE GRADUATES
Global companies actively seek out our graduates as they are work ready. Our programmes are designed to ensure that students receive a relevant, career-oriented education. As a result, more than 86% of our students are in graduate-level jobs or further study six months after completing their programme.

OPPORTUNITIES TO STUDY ABROAD
When you join Heriot-Watt University you become part of a friendly, global community. We actively encourage our students to push geographical boundaries through our opportunities to study abroad.

INNOVATIVE RESEARCH
Heriot-Watt University is globally recognised for pioneering research and innovation, changing the world and transforming lives. Our research focuses on real-world issues and we are ranked in the top 10 in the UK for industry income. This is based on the value of industry research income per member of academic staff.

WORLDWIDE CONNECTIONS
When you join Heriot-Watt you become part of a global family. We have over 123,000 alumni worldwide. The Watt Club was founded in 1854 and is the oldest graduate club in the UK. Lifetime membership is automatic upon graduation from Heriot-Watt and is free to all graduates of the University.

Our Impact
A world-leading university with strong links to international business and industry, attracting leaders in ideas and solutions tackling real-world challenges.

9th/82%
WORLD-CLASS SPECIALISTS
The Research Excellence Framework (REF) 2014 ranked Heriot-Watt 9th university in the UK for impact with 82% of research ranked world-class.

5 GLOBAL CAMPAUSSES
A truly international university with five global campuses, partners in over 100 countries and around 29,000 students studying worldwide.

86%+
GRADUATE-LEVEL JOBS
Over 86% of our postgraduates are in graduate-level jobs or further study six months after completing their programme and are actively sought by global industry.

www.hw.ac.uk/postgraduate
Reputation and Rankings

Heriot-Watt is world-renowned for conducting ground-breaking research which is relevant to business and industry. We aim to find radical innovations and solutions to real-world challenges for the benefit of society.

STUDYING WITH US
We will bring you into contact with leading researchers who are working on some of the most important areas for twenty-first-century society. Over 80% of academic staff are currently engaged in research at internationally recognised levels, delivering research as diverse as providing greater equality for deaf people, helping to manage risk in the insurance industry and enhancing oil extraction from the North Sea. As part of our community you will benefit from an environment focused on making a real and lasting contribution to issues that matter, and discover opportunities to make your own impact.

WORLD-LEADING RESEARCH
We have excellent facilities, highly rated teaching and world-leading research activity which together provide an exceptional learning and teaching experience. As part of a bright, committed and imaginative community of postgraduates you will have the opportunity to realise your potential by gaining the knowledge and skills you need to achieve your career aspirations.

2nd
BEST PLACE TO LIVE
Edinburgh is ranked the 2nd best place to live in the world in Deutsche Bank’s global study of 47 cities.
RANKED IN THE TOP TEN
Building, Chemical Engineering and Town and Country Planning.
Times/Sunday Times Good University Guide 2018

Our Impact

STUDENT MIX/INTERNATIONAL STAFF
Top 20 in the UK for international student mix.
QS World University Rankings 2017/18.
Top 30 in the UK for international staff.
QS World University Rankings 2017/18.

UK RANKING
Top 30 in the UK out of 121 universities.
Top 40 in the UK out of 127 universities.
Heriot-Watt has risen six places to 28th in the UK. 2018 Complete University Guide.

£19m
FUNDING OPPORTUNITIES
£19 million worth of scholarships, bursaries and funding opportunities.
Why Edinburgh

There are around 2,400 postgraduate students studying at our Edinburgh Campus. It’s a friendly, welcoming place where we encourage our community to be as integrated as possible, so you will have opportunities to meet with students from a variety of countries and cultures across the globe.

“Edinburgh is the most popular destination in Scotland for overseas visitors, and the second most popular in the UK as a whole.”
The City of Edinburgh Council

4th MOST BEAUTIFUL CITY IN THE WORLD

Ranked the 4th most beautiful city in the world (Rough Guide, 2015), Edinburgh is a stunning city and everywhere you look is picture perfect, from the Old Town closes to the ancient volcano of Arthur’s Seat.
LIVING AND STUDYING IN OUR FESTIVAL CITY
The majority of our postgraduate programmes are taught at our Edinburgh Campus, which is six miles from the city centre of Scotland’s capital. The campus itself is set in 380 acres of beautiful parkland, offering students ample space to think, play and enjoy. Jump on one of the buses that frequently depart from the campus and you can enjoy the city of Edinburgh and all it has to offer.

Edinburgh is the world’s leading festival city with the Edinburgh Festivals attracting 4.5 million visitors each year. Over 25,000 performers take part in 3,000 events across a variety of festivals, including the Edinburgh Festival Fringe, Edinburgh’s Hogmanay, Edinburgh International Science Festival, Edinburgh International Film Festival and the Edinburgh International Film Festival.

A FESTIVAL CITY

STUDENT-FRIENDLY
With Edinburgh ranked as 18th in the world and 2nd in the UK in QS Best Student Cities, it’s no surprise that students make up 12% of Edinburgh’s population.

You’ll never be bored
There’s a huge range of tourist attractions, from Edinburgh Castle to Edinburgh Zoo. Take to the outdoors to climb Arthur’s Seat or visit Portobello beach or stay indoors to tour the fantastic museums and galleries. Explore the hundreds of restaurants, cafes, pubs and clubs, some rooted in history and others chic and contemporary. Go to watch music at a stadium gig or a national sporting event.

DIVERSE
39% of students at Edinburgh’s universities are international, providing cultural diversity and a welcoming atmosphere for international students.

HISTORY AND HERITAGE
In 1995, Edinburgh was accredited as a World Heritage Site by UNESCO. From the medieval Old Town and the Georgian New Town to Greyfriars Kirkyard and Blair Street Vaults, Edinburgh is packed with fascinating, and sometimes chilling, history.

INNOVATION
Edinburgh has proudly been the centre of discovery and learning for centuries. Alexander Graham Bell, who was born in Edinburgh in 1847, invented the telephone. Today the city is world-leading in technology, arts, medicine, science, engineering and business.

WANT TO KNOW MORE?
Watch Kayleigh’s vlog to see a day in the life of a Heriot-Watt student at the Edinburgh Campus: www.hw.ac.uk/video-kayleigh
A Global University

With our roots in Scotland, our ambition and reach are truly international. A leader in transnational education, wherever we are, Heriot-Watt is a powerful driver and engine of the economy. Together with our alumni, civic community and industry partners, we transform people, society and the world we live in.

Our global campuses are situated in some of the world’s most inspiring locations. Each offers superb facilities, safe surroundings and an international welcome. We offer a unique learning environment close to the exciting and vibrant cities of Edinburgh, Dubai and Kuala Lumpur.

TOUR OUR INTERNATIONAL CAMPUSES AT:
www.hw.ac.uk/virtualtours
Edinburgh

A FESTIVAL CITY WITH AN INTERNATIONAL OUTLOOK
Living in Edinburgh is exciting and fulfilling. Home to the Edinburgh International Festival and the Edinburgh Festival Fringe, it is a focal point for art, culture, comedy and drama. The Edinburgh Campus is an exceptional environment within easy reach of one of Europe’s most exciting cities. Exceptional teaching facilities and our close links with industry make our Edinburgh Campus a fulfilling and stimulating environment, while our £7 million purpose-built Postgraduate Centre is a hub for advanced learning and research. Our Edinburgh Campus is truly international; over 10,500 staff and students are based here, with around a third of them coming from outside the UK.

Find out more: www.hw.ac.uk/edinburgh

Dubai

WORLD-CLASS EDUCATION TAILORED TO UAE INDUSTRY NEEDS
With a recent investment of £35 million our campus in the Dubai International Academic City is a modern, contemporary environment for around 3,400 students who are studying programmes tailored to meet the demands of the UAE and wider Middle Eastern and African economies and employment markets.

Find out more: www.hw.ac.uk/dubai

Galashiels

A WORLD-LEADING CENTRE FOR CREATIVITY
Our Scottish Borders Campus is located in Galashiels in the heart of the Scottish luxury textiles industry. This inspiring learning environment is a centre for excellence and an exceptional place for learning and living. The Scottish countryside setting brings its own special perspective to your experience here. A new Scottish Borders rail route opened in September 2015 giving students access to Edinburgh city centre in 50 minutes.

Find out more: www.hw.ac.uk/borders

Malaysia

AN INSPIRATIONAL PLACE TO STUDY
Our state-of-the-art, £35 million Malaysia Campus in a stunning lakeside location opened in September 2014, creating opportunities for up to 4,000 students to study a range of professionally relevant programmes tailored to the needs of the Malaysian and Asian economies and employment markets.

Find out more: www.hw.ac.uk/malaysia

Orkney

A ‘LIVING LABORATORY’ SUPPORTING THE GLOBAL MARINE INDUSTRY
The International Centre for Island Technology (ICIT) is a specialist arm of the School of Energy, Geoscience, Infrastructure and Society. With strong international industry links and collaborations, Orkney’s MSc programmes are truly global. Its location in the sheltered harbour of Hamnavoe and Scapa Flow provides a ‘living laboratory’ which supports a wide range of research, teaching and consultancy activities in the marine, oil and gas, and fisheries sectors.

Find out more: www.hw.ac.uk/orkney
Scholarships and Funding

Heriot-Watt launched a brand new suite of scholarships in 2017, including funding opportunities for all applicants to postgraduate taught Masters programmes at the UK campuses.

“Through the Chevening Scholarship I was able to achieve my dream of doing an intensive one-year postgraduate programme in the UK. It is open to ambitious leaders in developing countries all over the world from the Foreign and Commonwealth Office.”

Baboucarr Sallah from the Gambia, MSc International Finance and Economic Development School of Social Sciences

WATCH THE VIDEO OF BABOUCARR SALLAH FROM THE GAMBIA WHO RECEIVED A CHEVENING SCHOLARSHIP:

www.hw.ac.uk/video-baboucarr-scholarship

FOR FURTHER INFORMATION, ELIGIBILITY AND HOW TO APPLY:

www.hw.ac.uk/scholarships
We are committed to supporting our students with an attractive and competitive range of scholarships and bursaries. The new scholarship programme fits into an already significant investment of £19 million in scholarship provision.

Each year, hundreds of students enhance their educational experience through a variety of Heriot-Watt and externally funded scholarships, including opportunities funded by the University’s generous alumni community, based all over the world.

£19 million
WORTH OF SCHOLARSHIPS AND BURSARIES

HERIOT-WATT SCHOLARSHIPS AND BURSARIES
Postgraduate Scholarships for Home, Rest of UK, EU and international applicants.

Successful Scholars will benefit from a fee reduction in one of three categories:

1. Heriot-Watt Merit Scholarships:
   - 25% fee reduction (for overseas students),
   - £2,000 fee reduction (for Home/EU/RUK students)

2. Heriot-Watt Excellence Scholarships:
   - 50% fee reduction (for overseas students)

3. Heriot-Watt Distinction Scholarships:
   - 100% fee reduction (for overseas students)

100s
of students supported

100%
FEES SCHOLARSHIPS AVAILABLE FOR POSTGRADUATE STUDENTS

£10,000
MAINTENANCE GRANTS AVAILABLE AND FULL FEES PAID, FOR RESEARCH PROGRAMMES, BY JAMES WATT SCHOLARSHIPS

72
new
HERIOT-WATT SCHOLARSHIPS LAUNCHED IN 2017

For further information, eligibility and how to apply: www.hw.ac.uk/scholarships

For information on scholarships at our Dubai campus: www.hw.ac.uk/dubai/scholarships

For information on scholarships at our Malaysia campus: www.hw.ac.uk/malaysia-scholarships

www.hw.ac.uk/postgraduate
Your Career and Employability

Over 86% of our postgraduate students go on to graduate level jobs or further study within six months of graduating. We can help you to enjoy the same success.

Career-Focused Degrees
Our degrees are career-focused and relevant to the needs of business and industry. Employers actively seek out our graduates as our degrees are highly regarded for their relevance to the world of work. Many of our degrees are accredited by professional bodies.

Links to Employers
We have excellent links with business and industry, both in the UK and internationally. We help you meet some of the world’s top employers, who know the strengths our graduates bring to the workplace.

Our Impact
86%
Over 86% of our postgraduates are in graduate-level jobs or further study six months after completing their programme and are actively sought by global industry.

171
On-campus employer events

120
Skills workshops delivered

138
In-class careers talks

6,702
Graduate jobs advertised by the careers service

4,000+
Individual career guidance appointments
Make an individual career guidance appointment with our Careers Service who can help you to identify your options, provide market intelligence, help you to develop your graduate attributes and provide individual career counselling.

**WORK DURING YOUR STUDIES**

Our Careers Service can help you to find opportunities for part-time jobs, summer work experience and internships, allowing you to gain invaluable experience during your studies.

**JOB APPLICATIONS SUPPORT**

Our Careers Service offers individual advice and group workshops on CVs, application forms, assessment centres, selection tests and interviews.

**CAREERS FAIRS**

Each year we hold two university-wide recruitment fairs and seven industry-specific recruitment and networking events, giving you the chance to meet with graduate employers and find out about opportunities.

**BESPOKE CAREERS ADVICE**

Each School has a dedicated careers advisor who collaborates with lecturers to integrate a programme of events into our degree programmes designed to equip you with the skills you will need to plan and implement your career choice.

**INTERNATIONAL RELATIONSHIPS**

We have campuses in Dubai, Malaysia, and Scotland and about a third of students at our Edinburgh Campus come from countries outside of the UK. This international ethos ensures you meet a very broad range of people to help you to achieve a global perspective through international links and friendships.

**SUPPORT WITH CAREER PLANNING**

Heriot-Watt has a reputation for producing pragmatic ‘can do’ graduates and many of those have gone on to carve out a successful career with Shell. We have always enjoyed contributing to the University courses and careers fairs through the efforts of our Campus Ambassador team but now we have strengthened our ties with the University even further by funding the Shell Centre for Exploration Geoscience and by elevating Heriot-Watt to become one of our top target universities for recruitment.

Paul Garnham, Shell’s Campus Ambassador Lead for Heriot-Watt University, Aberdeen

**CONTINUED SUPPORT AFTER GRADUATION**

The Careers Service will continue to offer support and guidance for up to two years after you graduate, helping with those all-important first steps into the world of employment following completion of your studies.

www.hw.ac.uk/careers

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www.hw.ac.uk/postgraduate
Pioneering Research with Global Impact

Making a Difference in the Real World

Founded in 1821 as the world’s first mechanics institute, Heriot-Watt has a rich heritage and an established reputation as a leading research-led university. Here we feature six of our leading academics and an insight into the real-life challenges they are currently tackling to make a difference in the real world. Leading global research informs the education we provide.
Our Impact

9th/

WORLD-CLASS RESEARCH
The Research Excellence Framework (REF) 2014 ranked Heriot-Watt 9th university in the UK for impact with 82% of research ranked world-class.

80%+

RESEARCH-LED EDUCATION
Over 80% of academic staff are currently engaged in research at internationally recognised levels, delivering research as diverse as providing greater equality for deaf people, helping to manage risk in the insurance industry and enhancing oil extraction from the North Sea.

Real-World Education
Today, our communities of scholars come from across the world for a purpose: to deliver innovation and educational excellence in business, engineering, design and the physical, social and life sciences. A research-informed curriculum focuses on delivering practical solutions to real-world problems and creating solutions that have a positive impact on society worldwide.

As a university keenly focused on delivering excellence in research, we have significantly contributed to the development of research pooling. This initiative can enhance your studies and provide opportunities to meet people who can support your career aspirations. Providing collaborative opportunities for research and training across international universities creates an environment that is highly attractive to leading researchers around the world.

For more information about research please visit www.hw.ac.uk/research.htm
Driving Water Resource Management

Professor Adebayo Adeloye

Professor Adebayo Adeloye (Bayo) of the Institute of Infrastructure and Environment (IIE) in the School of Energy, Geoscience, Infrastructure and Society tells us about his work on water resources and the impact of climate change.

Q: Can you describe in a nutshell what your specialist research is focused on?
A: I research the planning, management and operation of water resources systems with special focus on the impact that projected climate change is having on the security and sustainability of these systems.

Q: How is that work influencing tomorrow’s world on an international platform?
A: Water is vital to human existence and, with an estimated 1.9 billion people worldwide lacking this vital resource in adequate quality and quantity, the need to properly manage the resource has never been greater. Climate change is projected to affect the future availability of water and its quality, implying that if it is not properly managed, feeding the growing world population and providing them with good quality drinking water, while at the same time meeting the needs of the environment, especially in the developing world, will become more and more difficult.

Q: How has working with industry made an impact on your work?
A: Industry and academia must work together if the global water problems are to be tackled effectively. Collaboration with industry has ensured that my research is addressing the needs of industry and those of wider society, thus ensuring that it continues to deliver the impact that research funders are insistent upon. On education and training, involving industry through guest lectures, site visits, provision of high-quality data on full-scale industrial installations, etc., has ensured that my students are able to relate theory to practice and through this become better practitioners in their own right.

Q: What advice would you give to a postgraduate research student considering Heriot-Watt?
A: Go for it as you are unlikely to get anything that gives you better value for your money in terms of UK education! Yes, you will be made to work hard but you will soon find out that it is the best choice you ever made.

DISCOVER MORE ABOUT THE SCHOOL OF ENERGY, GEOSCIENCE, INFRASTRUCTURE AND SOCIETY:
www.hw.ac.uk/egis

Graduate Profile

Zak Ritchie studied with Bayo at Heriot-Watt. He graduated with an MSc in Water Resources in 2012. He cites Bayo’s unwavering enthusiasm and passion for his area of expertise as a real motivation to him to advance in this sector. Today Zak is a Senior Hydrologist and Civil Engineer with SLR Consulting in Edinburgh. SLR offers a wide range of advisory and environmental consulting services to a diverse base of international business, regulatory and government clients. From acoustics to waste management, they provide advice and support on a wide range of strategic and project-specific issues.

WANT TO KNOW MORE?
www.hw.ac.uk/profile-zak-ritchie
Climate change is projected to affect the future availability of water and its quality, implying that if it is not properly managed, feeding the growing world population and providing them with good quality drinking water, while at the same time meeting the needs of the environment, especially in the developing world, will become more and more difficult.

Professor Adebayo Adeloye,
School of Energy, Geoscience, Infrastructure and Society
Pioneering research in cell biology is set to deepen our knowledge of the causes of a wide range of diseases. Heriot-Watt is spearheading the campaign from its Life Science Interface Laboratory located within the Institute of Biological Chemistry, Biophysics and Bioengineering (IB3) in the School of Engineering and Physical Sciences. Professor Rory Duncan, Senior Academic Lead for Strategy and Development for the University, explains how.

Q. What is the main challenge you face in cell biology today?
A. All of our work at Heriot-Watt right now is aimed at trying to characterise how proteins act in living cells. Proteins are the ‘machines’ that drive cells, and biology is based entirely on which proteins interact with which other proteins, and where and when. Until recently, biologists haven’t had the tools to visualise single proteins inside cells. Whereas cells are in the order of 5 to 10 microns in diameter, single proteins are just nanometres in size – and there are millions of them in a single cell. To try to explain the scales we are looking at – the molecules we can see inside cells are as small to us as Jupiter is large!

Q. How is your work today influencing tomorrow’s world?
A. Our Life Science Interface Laboratory is recognised worldwide as a centre of excellence in the imaging of molecular events in cells. In 2013, we were extremely fortunate to receive £2.5 million courtesy of the MRC’s Next Generation in Optical Microscopy Initiative to take our work a step further. The award has allowed us to set up a new research centre where we can investigate the causes of disease at molecular level. These are studies that could lead to pioneering biomedical discovery and new therapies.

The Edinburgh Super Resolution Imaging Consortium (ESRIC) is a unique resource that’s unparalleled in the UK, which we run in partnership with the University of Edinburgh’s Institute of Genetics and Molecular Medicine (IGMM). ESRIC is equipped with a range of highly advanced microscopes capable of nanometre-resolution imaging in living cells, enabling us to at last visualise not only single proteins but also hundreds of thousands of proteins in the cell.

Q. Is a multidisciplinary approach important to your work?
A. ESRIC brings together biomedical scientists from IGMM with experts from IB3 and across our disciplines of engineering, mathematics and physics to create the interdisciplinary setting that’s vital to our work. Although I’m a cell biologist myself, I specifically moved to Heriot-Watt to join a physics environment; it’s the physicists who will create the tools that people like me need in order to address diabetes, for example. Our graduates go on to some high-profile international positions, using the skills they have acquired with us (see profile). We publish in the highest-ranking journals, like *Nature* – this is the tangible advantage of interdisciplinarity – new discovery, made in new ways. This work was recognised as the prestigious Times Higher Education ‘STEM Research project of the year 2017–18’ (where STEM is science, technology, engineering and mathematics). The judges cited our prolific results and public engagement that led to this prize.

Q. What gives Heriot-Watt postgraduate students the edge in this field?
A. All of the research that we do here is very high-profile and it attracts the interest of a great many scientists globally. Heriot-Watt is an extremely vibrant place to be, and we are uniquely placed with the fantastic resources and expertise profile that ESRIC offers. Postgraduates on our team are equipped with a broad-based expertise that will allow them to work anywhere in the world in this area of research.

In addition, our students all attend a summer school that attracts delegates from all over the world to learn from the best international researchers in the field, who fly in for the occasion. We even attract Nobel Prize-winners to pass on their expertise to lucky students!

Find yourself at the leading edge of research and at the forefront of innovation. Discover in the School of Engineering and Physical Sciences the kind of international expertise that supports careers on a global scale.

**WANT TO KNOW MORE?**
**WATCH RORY’S VIDEO INTERVIEW:** www.hw.ac.uk/video-rory-duncan
**DISCOVER MORE ABOUT THE SCHOOL OF ENGINEERING AND PHYSICAL SCIENCES:** www.hw.ac.uk/eps

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**Graduate Profile**

Dr Katia Hiersemenzel studied with Rory Duncan at Heriot-Watt. Today, she is an Advanced Imaging Application Specialist for Leica Microsystems Global for Europe, the Middle East and Africa. Her role is part of the company’s Optical Coherence Tomography (OCT) system, a recently established part of the product range of Leica Microsystems. OCT is the optical analogue of ultrasound and has a particular application to eye research. As an Application Specialist for the life science sector she provides the technical knowhow about the product and its bio-imaging capacity.

**WANT TO KNOW MORE?**
[www.hw.ac.uk/profile-katia-hiersemenzel](http://www.hw.ac.uk/profile-katia-hiersemenzel)
A recent breakthrough in LED technology that can diagnose and monitor cataracts before they form has the potential to revolutionise eye care in our increasingly ageing population and take pressure off the NHS.
Creating Conversational Artificial Intelligence

Professor Veren Rieser

Veren Rieser is a Professor in the School of Mathematical and Computer Sciences. Here she talks about her pioneering work in the field of Conversational Artificial Intelligence.

Q: Can you describe in a nutshell what your specialist research is focused on?
A: My research aims to create Conversational Artificial Intelligence (AI). That is, we are looking to design intelligent agents, which can converse coherently and engagingly over a wide variety of topics. This is often considered to be ‘the holy grail’ of AI.

Q: How is that work influencing tomorrow’s world on an international platform?
A: Conversational systems aim to provide a user-friendly interface to complex systems, processes and distributed information. A prime example thereof is human-robot interaction, where users can collaborate with a complex autonomous system by using natural means, such as voice and gestures. For the same reasons, smart speakers, such as Amazon Alexa and Google Home, have become increasingly popular. For example, it is estimated that 16% of adults in the US own and regularly use smart speakers (NPR & Edison research). As such, I believe that conversational AI will become ubiquitous in tomorrow’s world and our work at Heriot-Watt University has a significant impact towards this goal.

Q: You were recently involved in the Amazon Alexa Challenge, can you tell us a bit about that?
A: Heriot-Watt University was recognised as one of the world’s best for Conversational AI in the prestigious Amazon Alexa Challenge. The Amazon Alexa Prize is an annual university competition dedicated to advancing conversational AI. It is named after the Alexa voice system that powers the Amazon Echo. In last year’s inaugural competition, our student team representing Heriot-Watt was the only UK university to reach the final three, having previously fended off more than 100 entries from 22 countries, including the likes of Harvard and Princeton. In this year’s competition, Heriot-Watt was once again the only UK university amongst eight international universities which were selected to participate out of 200 entrants. I am immensely proud of what our students have achieved.

Q: What advice would you have for potential students looking to work in the field of Artificial Intelligence?
A: For me, one of the main attractions of working in AI is the multitude of methods you get to use. It is a highly multidisciplinary field where you will acquire expertise in many different areas, such as statistics and machine learning, natural language processing, software engineering and data science, as well as psychological aspects and experimental design. You don’t have to be a Computer Scientist to enter the field. For example, I received my undergraduate degree in theoretical linguistics.

DISCOVER MORE ABOUT THE SCHOOL OF MATHEMATICAL AND COMPUTER SCIENCES:
www.hw.ac.uk/macs

Graduate Profile
Amanda Curry was part of a group of Heriot-Watt Computer Science PhD students who reached the top three finalists in the Amazon Alexa Challenge, a global competition for university students dedicated to accelerating the field of conversational AI. Alexa is the voice that powers Amazon Echo. Heriot-Watt was the only UK university to reach the final.

“It was a really great experience and an opportunity to see our research applied in a real-world setting supported by Amazon. We developed a conversational system able to compete with systems from other top universities. Our system was one of the three finalists that got to compete in Las Vegas for a grand prize of $500,000.”

WANT TO KNOW MORE?
www.hw.ac.uk/profile-amanda-curry
Heriot-Watt University has a long-standing global reputation in Conversational AI and Human-Robot Interaction. The Amazon Alexa Challenge provides us with a global platform to showcase the extraordinary talent we have at this University.

Professor Veren Rieser, School of Mathematical and Computer Sciences

Heriot-Watt University was recognised as one of the world’s best for Conversational AI in the prestigious international Amazon Alexa competition, aimed to push the boundaries of conversational agents. In 2017, Heriot-Watt was the only UK university to reach the final three, having fended off more than 100 entries from 22 countries including the likes of Harvard and Princeton. The team was selected to re-enter the challenge in 2018.
Innovating Textiles Design

Associate Professor Danmei Sun

Danmei Sun is Associate Professor in the School of Textiles and Design. Here she tells us about her work in developing new textile materials to wear as our ‘second skin’.

Q: Can you describe in a nutshell what your specialist research is focused on?
A: I research functional materials, engineering design, 2D/3D fabrics for performance textiles and clothing, modelling textile structures and properties.

Q: How is that work influencing tomorrow’s world on an international platform?
A: ‘Clothes are our second skin.’ The need to develop new textile materials, structures to meet the required performances and added value have never been greater, especially for the application sectors of healthcare, defence and protection.

Q: How has working with industry made an impact on your work?
A: Most of my research projects stem from various funding bodies that are led by academia and teamed with industrial partners. This has ensured my research is focused on solving practical problems and developing new products for industrial partners to give them increased control of product in the marketplace. The collaborative research with partner companies has expanded my research extensively over the years and, in turn, has attracted more funding. The research results have been used in my teaching delivered to taught degree students.

Q: What do you think gives Heriot-Watt postgraduates that extra edge in their chosen field of expertise?
A: Our School of Textiles and Design is the second oldest textile school in the world. We offer our students access to fully equipped clothing workshops, technical workshops and laboratories, state-of-the-art production equipment and computer aided design (CAD) suites. Our research is at the technology/design interface where we develop technologies and exploit design applications in tandem. Our high-profile research has attracted great interest from many industrial partners globally addressing their needs and those of wider society. Our well-equipped postgraduate team have a wide range of expertise that provides state-of-the-art knowledge and world-leading research.

Q: What advice would you give to a postgraduate student considering Heriot-Watt?
A: Make sure you choose the postgraduate experience that is right for you given the nature of an ever more challenging job market. Heriot-Watt offers you the opportunity to gain knowledge and improve your career development and your life choices.

DISCOVER MORE ABOUT THE SCHOOL OF TEXTILES AND DESIGN: www.tex.hw.ac.uk

Graduate Profile

Temitope (Tope) Mary Orororo is from Nigeria and was a Masters student in Fashion and Textiles Design at the School of Textiles and Design in Galashiels in the Scottish Borders. For her Heriot-Watt’s appeal lay in the facilities at the Borders Campus and the simplicity of the town of Galashiels. She also feels her Masters degree will give her a real edge in her chosen field.

“The facilities at the Borders Campus are amazing with tutors who are very accessible and knowledgeable. They widen your horizon to possible researchable subjects. At the end of the programme, you are ready and confident to pursue your personal goals and vision.”

WANT TO KNOW MORE?
www.hw.ac.uk/profile-tope-orororo
Make sure you choose the postgraduate experience that is right for you given the nature of an ever more challenging job market. Heriot-Watt offers you the opportunity to gain knowledge and improve your career development and your life choices.

Associate Professor Danmei Sun, School of Textiles and Design

Pioneering research into ‘psychotextiles’ has the potential to transform product manufacturing, engineering and the teaching of art and design. ‘Visual medicine’ could also lead to alternatives to antidepressants in the medical world.
Tackling Gender Inequality

Professor Kate Sang

Kate Sang is Professor of Gender and Employment Studies in the School of Social Sciences. Here she tells us about the challenges of gender inequality in the workplace.

Q: Can you describe in a nutshell what your specialist research is focused on?
A: My research explores the persistence of gender inequalities in the workplace, revealing how gender intersects with disability, ethnicity and migratory status. I am particularly interested in male-dominated sectors such as the construction industry, transport and academia.

Q: How has working with industry made an impact on your work?
A: I work with industry, the public sector and policy makers to develop understanding of the lived experiences of employees so I can develop real-world solutions to ensure a fully inclusive workplace.

Q: How is that work influencing tomorrow’s world on an international platform?
A: By working with employers to develop interventions to improve the working lives of disabled employees, through new policies, representation and working with trade unions. I have also worked with the Scottish Parliament on disability, women’s health and poverty issues. The aim of my research is to work with policy makers, employers and trade unions to create workplaces where all employees are able to reach their full potential.

Q: What do you think gives Heriot-Watt postgraduates that extra edge in their chosen field of expertise?
A: The opportunity to study and work with global leaders in their field, so students enter the workplace with cutting-edge knowledge rooted in a strong evidence base.

Q: What advice would you give to a postgraduate student considering Heriot-Watt?
A: Your lecturers are here to help and we are excited about working with you – so always ask if you need any help or advice. Also make use of the variety of resources including the library – the more reading you do, the stronger your own work will be.

DISCOVER MORE ABOUT THE SCHOOL OF SOCIAL SCIENCES:
www.hw.ac.uk/soss

Graduate Profile
Rebecca Stirzaker graduated with an MSc in International Business Management with HRM from the School of Social Sciences. Here she gives advice to anyone thinking about choosing Heriot-Watt as an option for postgraduate study.

“At Heriot-Watt, you have the opportunity to enjoy a truly international experience with the University ranked in the world’s top 10 universities for the international mix of students. Teaching provided is by world-class academic professionals and dedicated support staff provide excellent care. Overall, if you are looking for a world-class international postgraduate student experience, Heriot-Watt should be your choice.”

WANT TO KNOW MORE?
www.hw.ac.uk/profile-rebecca-stirzaker
My research is influencing tomorrow’s world through working with employers to develop interventions to improve the working lives of disabled employees, through new policies, representation and working with trade unions. I have also worked with the Scottish Parliament on disability, women’s health and poverty issues. The aim of my research is to work with policy makers, employers and trade unions to create workplaces where all employees are able to reach their full potential.

Professor Kate Sang, School of Social Sciences

RESEARCH NEWS
Female ethnic minority academics sometimes do not identify as feminists because they feel it is a ‘white’ concept, according to Professor Sang’s research published in Times Higher Education (THE).
Dr Dimitris Christopoulos is Director of the Centre for Networks and Enterprise at Edinburgh Business School, which offers high-quality, accessible postgraduate programmes in business. Here he tells us about his research work on exceptional agents and their effect on socio-economic systems.

Q: Can you describe in a nutshell what your specialist research is focused on?
A: I focus on exceptional agents, such as leaders, entrepreneurs, brokers and their effect on socio-economic systems. I employ tools associated with network science and in my role as Director of the Centre for Networks and Enterprise (CNE) I support a number of varied projects on topics that include: careers advancement, the social economy, fisheries resilience, deforestation and sustainability, political risk, venture capital syndication and corporate governance.

Q: How is that work influencing tomorrow’s world on an international platform?
A: Myself and colleagues at CNE are part of an effort to understand the implications of interconnectedness in human action. Insights from this work directly impact the way we understand teams, organisations and systems. We now recognise that ability to comprehend the network dimension in social systems can improve the effectiveness of organisations and teams, as well as the robustness and resilience of their governance.

Q: How has working with industry made an impact on your work?
A: Our current industry funded projects ensure we are fully aware of the issues directly affecting industry, and allow us to apply our expertise in resolving them.

Q: What do you think gives Heriot-Watt postgraduates that extra edge in their chosen field of expertise?
A: As alumni of a global University, our graduates are well prepared to tackle the international job market and understand the challenges of an interconnected world.

Q: What advice would you give to a postgraduate student considering Heriot-Watt?
A: Heriot-Watt University is the place for you if you want to be associated with a global leader in research impact, where teaching and the student experience are central to the University’s mission.

DISCOVER MORE ABOUT EDINBURGH BUSINESS SCHOOL: ebsglobal.net

Graduate Profile

John Bianchin from Canada studied for his MBA online with Edinburgh Business School. The MBA has given John confidence to manage and provide vision for his team, while developing strong leadership and direction in his non-profit work.

“I’m currently president of the John Howard Society of Toronto, a non-profit organisation, dedicated to developing programmes that reduce the social, economic and personal costs of crime. The society is committed to helping people who have been in conflict with the law, and those at imminent risk, through service, education and community programmes. In my work for the non-profit organisation my MBA helped me drive the strategic planning process which enabled our management team to efficiently develop the organisation. I hope my career will develop into a global role and provide me with additional organisational development and leadership challenges. To that end I have already started my doctoral studies with Edinburgh Business School.”

WANT TO KNOW MORE? ebsglobal.net
Heriot-Watt University is the place for you if you want to be associated with a global leader in research impact, where teaching and the student experience are central to the University’s mission.

Dr Dimitris Christopoulos, Edinburgh Business School

RESEARCH NEWS

The annual Female FTSE Board Report by Cranfield University showed that women account for approximately 28% of directorships from the UK’s top 100 companies. Edinburgh Business School’s Executive Dean, Professor Heather McGregor, in a research paper accepted by the British Academy of Management, assesses whether female directors’ progress to UK FTSE 100 firms’ boardrooms is associated with their embeddedness within interlocking directorate networks.
What Can I Study at Heriot-Watt

All of our taught programmes and research degrees are grouped into subject tables on the following pages with an indication of the level of award. To get more detailed information on the structure of our programmes including course content, entry requirements, modes of delivery (full-time/part-time/independent distance learning), fees and funding please go to our website: www.hw.ac.uk/postgraduate

The research degrees listed are not exhaustive. If you have an idea around a specific research theme please get in touch. Our contact details are listed on page 40. www.hw.ac.uk/research/phd-opportunities.htm
## Taught Programmes

### Building, Planning and Urban Design

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Services Engineering (By Distance Learning only)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Facilities Management (Dubai Campus)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Sustainable Urban Management (Also by Distance Learning)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Urban and Regional Planning (Also by Distance Learning)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Urban Strategies and Design (Joint programme with the University of Edinburgh)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
</tbody>
</table>

### Research Programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acoustics and Noise Control</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Commercial Property Markets</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Construction Management and Innovation</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Eco-Housing</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Health and Wellbeing in the Built Environment</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Housing Policy, Housing Management and Governance</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Migration and Place</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Sustainability and Carbon Management</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Sustainable Materials</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Sustainable Transport</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Urban Design and Planning</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Urban Energy</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Water Conservation and Drainage</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
</tbody>
</table>

**Programmes you may also be interested in:**
- Interior Architecture and Design MA/Diploma (see page 37)
- Real Estate and Planning MSc/Diploma (see page 31)

## Civil/Safety/Water Engineering

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil Engineering (By Distance Learning only)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Civil Engineering and Construction Management (Also by Distance Learning and in Dubai)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Safety and Risk Management (By Distance Learning only)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Safety, Risk and Reliability Engineering (By Distance Learning only)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Structural and Foundation Engineering (Also by Distance Learning)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Water and Environmental Management (Also by Distance Learning)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Civil Engineering Materials</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Geomechanics</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>High-Speed Railways</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Structures</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Systems, Sustainability and Society</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Water Management</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
</tbody>
</table>

**Programmes you may also be interested in:**
- Petroleum Engineering MSc (see page 31)
- Sustainability Engineering MSc/Diploma (see page 32)
- Water Conservation and Drainage PhD/MPhil/MSc (see above)
## Construction Management and Surveying

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial Management and Quantity Surveying (Also by Distance Learning and in Dubai/Malaysia)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Construction Project Management (Also by Distance Learning and in Dubai/Malaysia)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
</tbody>
</table>

## Energy and Renewables

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renewable Energy Development (Orkney Campus and by Distance Learning)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
</tbody>
</table>

Programmes you may also be interested in (see page 32):
- Energy MSc/Diploma
- Energy with Entrepreneurship MSc
- Oil and Gas Technology MSc
- Renewable Energy Engineering MSc/Diploma

## Food Science, Health and Nutrition

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food and Nutrition</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Health and Exercise</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Microbial Physiology</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Nano-Safety Research</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
</tbody>
</table>

Programmes you may also be interested in:
- Brewing and Distilling MSc/Diploma  (see page 32)
- Health and Wellbeing in the Built Environment PhD/MPhil/MSc  (see page 29)

## Marine, Environment and Climate Change

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Earth System Sciences</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Climate Change: Managing the Marine Environment</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Integrative Marine Data Skills (Orkney Campus)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Marine Biodiversity and Biotecnology</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Marine Planning for Sustainable Development (Orkney Campus)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Marine Renewable Energy (Orkney Campus and by Distance Learning)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Marine Resource Development and Protection</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Marine Science</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Abandonment of Offshore Installations</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Coral Ecosystems</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Coastal Zone Management</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Ecotoxicology and Immunology</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Energy Planning</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Environmental Sciences</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>IT Applications in Peripheral Areas</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Marine Conservation</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Marine Vertebrates</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Marine Microbial Ecology</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Programme</td>
<td>Level</td>
<td>Award</td>
</tr>
<tr>
<td>-----------</td>
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</tr>
<tr>
<td>Marine Biodiversity</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Marine Biotechnology</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Seabed Mapping</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Tidal Current Energy Generation</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
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</tbody>
</table>

Programmes you may also be interested in:
- Oilfield Chemistry PhD/MPhil/MSc  (see below)
- Renewable Energy Development MSc/Diploma  (see page 30)

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**Petroleum Engineering and Geoscience**

Programme | Level | Award       |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Petroleum Geoscience (Also by Distance Learning)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Integrated Mature Field Management</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Petroleum Engineering (Also by Distance Learning and in Dubai/Malaysia)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Reservoir Evaluation and Management</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Applied Geoscience</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Carbon Capture and Storage (CCS)</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Carbonate Reservoirs</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Enhanced Oil Recovery and CO₂ Solutions</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Estuary and Coastal Geosciences</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Flow Assurance and Scale Team (FAST)</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Geomaterials</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Hydrates and PVT</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Oil and Gas Innovation</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Oilfield Chemistry</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Pore-Scale Modelling</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Production Engineering and Technology</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Reservoir Geophysics</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Uncertainty Quantification</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
</tbody>
</table>

You may also be interested in:
- Oil and Gas Technology MSc  (see page 32)

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**Real Estate, Housing and Social Policy**

Programme | Level | Award       |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Real Estate and Planning (Also by Distance Learning)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Real Estate Investment and Finance (Also by Distance Learning and in Dubai)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Real Estate Management and Development (Also by Distance Learning and in Dubai)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Affordability, Housing Markets and Private Renting</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Commercial Property Markets</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Comparative Housing and Urban Research</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Diversity/Black and Minority Ethnic Communities</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Homelessness and Social Exclusion</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Housing Design, Development and Regeneration</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Housing Policy, Housing Management and Governance</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Migration and Place</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
<tr>
<td>Neighbourhoods and Deprivation</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
</tr>
</tbody>
</table>

Programmes you may also be interested in  (see page 29):
- Urban and Regional Planning MSc/Diploma
- Urban Strategies and Design MSc/Diploma
School of Engineering and Physical Sciences

Biological Chemistry, Biophysics and Bioengineering

Programme | Level | Award
---|---|---
Research Institute of Biological Chemistry, Biophysics and Bioengineering | | PhD/MPHIL/MSc

Brewing and Distilling

Programme | Level | Award
---|---|---
Taught Brewing and Distilling (Also by Distance Learning) | | MSc/Diploma
Taught Brewing and Distilling with Entrepreneurship | | MSc
Research International Centre for Brewing and Distilling (ICBD) | | PhD/MPHIL/MSc

Chemical Sciences

Programme | Level | Award
---|---|---
Research Institute of Chemical Sciences | | PhD/MPHIL/MSc

Energy and Renewables

Programme | Level | Award
---|---|---
Taught Energy (Also by Distance Learning and Dubai/Malaysia) | | MSc/Diploma
Taught Energy with Entrepreneurship | | MSc
Taught Oil and Gas Technology | | MSc
Taught Renewable Energy Engineering (Also in Dubai and Malaysia) | | MSc/Diploma
Taught Smart Cities and Communities (Erasmus Mundus) | | MSc

Programmes you may also be interested in (see page 30):
- Renewable Energy Development MSc/Diploma
- Marine Renewable Energy MSc/Diploma

Mechanical, Process and Energy Engineering

Programme | Level | Award
---|---|---
Taught Advanced Mechanical Engineering | | MSc
Taught Sustainability Engineering | | MSc/Diploma
Research Institute of Mechanical, Process and Energy Engineering | | PhD/MPHIL/MSc

Photonics and Quantum Sciences

Programme | Level | Award
---|---|---
Taught Photonics and Optoelectronic Devices | | MSc
Research Institute of Photonics and Quantum Sciences | | PhD/MPHIL/MSc/EngD
### Robotics

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robotics, Autonomous and Interactive Systems</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Vision Image and Robotics (ViBOT)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Robotics</td>
<td>Research</td>
<td>PhD</td>
</tr>
</tbody>
</table>

Programmes you may also be interested in:
- Artificial Intelligence MSc/Diploma  (see below)
- Artificial Intelligence with Speech and Multimodal Interaction MSc/Diploma  (see below)
- Intelligent Systems Laboratory MPhil  (see page 34)

### Sensors, Signals and Systems

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Embedded Systems</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Mobile Communications</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Smart Systems Integration (Erasmus Mundus)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Institute of Sensors, Signals and Systems</td>
<td>Research</td>
<td>PhD/MPhil/MSc</td>
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</table>

### School of Mathematical and Computer Sciences

#### Actuarial Mathematics and Statistics

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
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<tbody>
<tr>
<td>Actuarial Management</td>
<td>Taught</td>
<td>MSc/Diploma/Certificate</td>
</tr>
<tr>
<td>Actuarial Science</td>
<td>Taught</td>
<td>MSc/Diploma/Certificate</td>
</tr>
<tr>
<td>Actuarial Science and Management (Two years)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Financial Mathematics (Joint programme with the University of Edinburgh)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Actuarial Mathematics (Joint programme with the University of Edinburgh)</td>
<td>Research</td>
<td>PhD</td>
</tr>
<tr>
<td>Statistics</td>
<td>Research</td>
<td>PhD</td>
</tr>
</tbody>
</table>

A wide variety of research options are available. Visit our website for more information.

### Computer Science

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Artificial Intelligence</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Artificial Intelligence with Speech and Multimodal Interaction</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Business Information Management</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Computer Systems Management</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Data Science</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Information Technology (Business)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Information Technology (Graduate Diploma)</td>
<td>Taught</td>
<td>Diploma</td>
</tr>
<tr>
<td>Information Technology (Software Systems)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Network Security</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Software Engineering</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Human-Robot Interaction</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Human-Robot Interaction (Two years)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Taught Programme</td>
<td>Research Degree</td>
<td></td>
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<tr>
<td>------------------</td>
<td>-----------------</td>
<td></td>
</tr>
<tr>
<td><strong>Artificial Intelligence (Two years)</strong></td>
<td>Taught MSc/Diploma</td>
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<tr>
<td><strong>Data Science (Two years)</strong></td>
<td>Taught MSc/Diploma</td>
<td></td>
</tr>
<tr>
<td><strong>Computing (Two years)</strong></td>
<td>Taught MSc/Diploma</td>
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<tr>
<td><strong>Computer Science</strong></td>
<td>Research MSc</td>
<td></td>
</tr>
<tr>
<td><strong>Biologically-Inspired Computing</strong></td>
<td>Research MPhil</td>
<td></td>
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<tr>
<td><strong>Computer Games and Interactive Narrative</strong></td>
<td>Research MPhil</td>
<td></td>
</tr>
<tr>
<td><strong>Dependable Computing and Foundations</strong></td>
<td>Research MPhil</td>
<td></td>
</tr>
<tr>
<td><strong>Intelligent Systems Laboratory</strong></td>
<td>Research MPhil</td>
<td></td>
</tr>
<tr>
<td><strong>Parallel and Distributed Systems</strong></td>
<td>Research MPhil</td>
<td></td>
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<tr>
<td><strong>Pervasive and Ubiquitous Computing</strong></td>
<td>Research MPhil</td>
<td></td>
</tr>
<tr>
<td><strong>Computer Science</strong></td>
<td>Research PhD</td>
<td></td>
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</table>

A wide variety of research options are available. Visit our website for more information.

### Mathematics

**Programme**

<table>
<thead>
<tr>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
</tbody>
</table>

**Applied Mathematical Sciences (Two years)** Taught MSc/Diploma

**Applied Mathematical Sciences with Climate Change Modelling** Taught MSc/Diploma

**Applied Mathematical Sciences with Mathematical Biology, Ecology and Medicine** Taught MSc/Diploma

**Computational Mathematics** Taught MSc/Diploma

**Graduate Certificate in the Mathematical Sciences** Taught Diploma/Certificate

**Mathematics** Taught MSc/Diploma

**Quantitative Finance and Mathematics** Taught MSc/Diploma

**Applied Mathematics** Taught MSc/Diploma

**Differential Equations** Research PhD

**Mathematical Biology** Research MPhil

**Mathematical Physics** Research PhD

**Numerical Analysis and Scientific Computation** Research PhD

**Mathematics** Research PhD

A wide variety of research options are available. Visit our website for more information.

### School of Social Sciences

#### Accountancy

**Programme**

<table>
<thead>
<tr>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taught</td>
<td>MSc</td>
</tr>
</tbody>
</table>

**International Accounting and Finance (Also in Dubai)** Taught MSc

**International Accounting and Management** Taught MSc

**Strategy and International Management Accounting** Taught MSc

**Accounting** Research PhD

### Economics

**Programme**

<table>
<thead>
<tr>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taught</td>
<td>MSc</td>
</tr>
</tbody>
</table>

**Economics, Banking and Finance** Taught MSc

**Energy and Economics** Taught MSc

**International Finance and Economic Development** Taught MSc

**Economics** Research PhD

A wide variety of research options are available. Visit our website for more information.

www.hw.ac.uk/pg-mathematics

www.hw.ac.uk/pg-accounting

www.hw.ac.uk/pg-economics
## Finance

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
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<tbody>
<tr>
<td>Taught Programme</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finance (Also in Dubai)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Finance and Management (Also in Dubai)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>International Banking and Finance</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>International Finance and Corporate Accountability</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Investment Management</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Finance</td>
<td>Research</td>
<td>PhD</td>
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</table>

[www.hw.ac.uk/pg-finance](http://www.hw.ac.uk/pg-finance)

## International Business Management

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taught Programme</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Doctor of Business Administration (By Distance Learning)</td>
<td>Taught</td>
<td>DBA</td>
</tr>
<tr>
<td>International Business Management (Also in Dubai)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>International Business Management with Finance (Also in Dubai and Malaysia)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>International Business Management with Human Resource Management (Also in Dubai)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>International Business Management with Logistics (Also in Dubai)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>International Business Management with Marketing (Also in Dubai and Malaysia)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>International Business Management with Performance Management</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>International Business Management with Project Management</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>International Business Management with Sustainability</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>International Business Management with Tourism</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Business Management</td>
<td>Research</td>
<td>PhD</td>
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</table>

[www.hw.ac.uk/pg-business](http://www.hw.ac.uk/pg-business)

## International Marketing

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taught Programme</td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Fashion Marketing (Also in Dubai)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>International Marketing</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>International Marketing with Consumer Psychology</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>International Marketing with Digital Marketing (Also in Dubai)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Marketing</td>
<td>Research</td>
<td>PhD</td>
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</table>

[www.hw.ac.uk/pg-marketing](http://www.hw.ac.uk/pg-marketing)

## Leadership and Organisational Performance

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taught Programme</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Strategy, Leadership and Change (Also in Dubai and Malaysia)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>International Master in Industrial Management (Joint with UPM Madrid and POLIMI Milan)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Lean Six Sigma for Operational Excellence (Also in Dubai)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Management and Leadership in Sports Business</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Management and Leadership in Sports Performance</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Managing Business Performance</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Operations Management (Also in Dubai)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Strategic Project Management (Also in Dubai and Malaysia)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Work and Wellbeing</td>
<td>Research</td>
<td>PhD</td>
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</tbody>
</table>

[www.hw.ac.uk/pg-leadership](http://www.hw.ac.uk/pg-leadership)
### Logistics and Supply Chain Management

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Logistics and Supply Chain Management (Also in Dubai)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Logistics and Supply Chain Management with Business Analytics</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Logistics and Supply Chain Management with Business Performance</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Logistics and Supply Chain Management with Lean Six Sigma (Also in Dubai)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Logistics with Green and Sustainable Supply Chain Management</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Logistics</td>
<td>Research</td>
<td>PhD</td>
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</table>

### Psychology

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Psychology with Human Resource Management</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Business Psychology with Intercultural Communication</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Business Psychology (Also in Dubai and Malaysia)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Applied Psychology Research</td>
<td>Research</td>
<td>PhD</td>
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</table>

### Translation and Interpreting

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinese-English Translating (Two years)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Chinese-English Interpreting and Translating (Two years)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Interpreting</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Interpreting and Translating</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Sign Language Interpreting (EUMASLI)</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Translating</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Translating for Business</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Translating for Business with Entrepreneurship</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Translating with Entrepreneurship</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>Translation and Interpreting</td>
<td>Research</td>
<td>PhD</td>
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### Professional Communication

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Management and Business Communication</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>International Management and Business Communication with Human Resource Management</td>
<td>Taught</td>
<td>MSc</td>
</tr>
<tr>
<td>International Management and Business Communication with Marketing</td>
<td>Taught</td>
<td>MSc</td>
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### Cultural Studies

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
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<tbody>
<tr>
<td>Cultural Heritage Management with Tourism</td>
<td>Taught</td>
<td>MSc/Pg Dip/Pg Cert</td>
</tr>
<tr>
<td>Intercultural Research</td>
<td>Research</td>
<td>PhD</td>
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</tbody>
</table>
# School of Textiles and Design

**Programme**, Textiles and Design

<table>
<thead>
<tr>
<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethics in Fashion (Communication, Consumerism and Sustainability)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>(Scottish Borders Campus)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fashion and Textiles Design (Scottish Borders Campus)</td>
<td>Taught</td>
<td>MA/Diploma</td>
</tr>
<tr>
<td>Fashion and Textiles Management (Scottish Borders Campus)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Interior Architecture and Design (Scottish Borders Campus)</td>
<td>Taught</td>
<td>MA/Diploma</td>
</tr>
<tr>
<td>Knitwear (Design, Heritage and Production) (Scottish Borders Campus)</td>
<td>Taught</td>
<td>MA</td>
</tr>
<tr>
<td>Sustainability and Ethics</td>
<td>Research</td>
<td>PhD/MPhil</td>
</tr>
<tr>
<td>Heritage and Innovation in Design</td>
<td>Research</td>
<td>PhD/MPhil</td>
</tr>
<tr>
<td>Design and Technology</td>
<td>Research</td>
<td>PhD/MPhil</td>
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</tbody>
</table>

# Edinburgh Business School

**Programme**

<table>
<thead>
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<th>Programme</th>
<th>Level</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Business Administration (MBA) (Also in Dubai and Malaysia)</td>
<td>Taught</td>
<td>MBA</td>
</tr>
<tr>
<td>Master of Business Administration (MBA) (By Distance Learning only)</td>
<td>Taught</td>
<td>MBA</td>
</tr>
<tr>
<td>MBA with specialism in Strategic Planning (By Distance Learning only)</td>
<td>Taught</td>
<td>MBA</td>
</tr>
<tr>
<td>MBA with specialism in Marketing (By Distance Learning only)</td>
<td>Taught</td>
<td>MBA</td>
</tr>
<tr>
<td>MBA with specialism in Finance (By Distance Learning only)</td>
<td>Taught</td>
<td>MBA</td>
</tr>
<tr>
<td>MBA with specialism in Human Resource Management (By Distance Learning only)</td>
<td>Taught</td>
<td>MBA</td>
</tr>
<tr>
<td>MBA with specialism in Oil and Gas Management (By Distance Learning only)</td>
<td>Taught</td>
<td>MBA</td>
</tr>
<tr>
<td>MSc in Marketing (By Distance Learning only)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>MSc in Human Resource Management (By Distance Learning only)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>MSc in Financial Management (By Distance Learning only)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>MSc in Strategic Planning (By Distance Learning only)</td>
<td>Taught</td>
<td>MSc/Diploma</td>
</tr>
<tr>
<td>Business Research Methods (Also by Distance Learning)</td>
<td>Taught</td>
<td>Pg Cert</td>
</tr>
<tr>
<td>Business Administration (DBA and PhD)</td>
<td>Research</td>
<td>DBA/PhD</td>
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</tbody>
</table>
Our pioneering research is...

**CREATING NEW SOLUTIONS IN CARBON STORAGE**
Leading research with global industry partners across the entire carbon capture and storage chain. Providing innovative solutions to reduce global carbon dioxide emissions and meet global energy demands.

**DRIVING ARTIFICIAL INTELLIGENCE**
Pioneering robotics research that will revolutionise the global economy over the next 20 years spanning the nuclear, space and offshore industries, transport, healthcare and manufacturing.

**REVOLUTIONISING CELL BIOLOGY**
Spearheading a revolution in cell biology to deepen our knowledge of the causes of a wide range of high-profile diseases, attracting scientific interest worldwide.

**TACKLING GLOBAL ISSUES IN HOUSING AND POVERTY**
Life-changing research tackling global issues in housing and poverty. Heriot-Watt is one of the UK’s top social and urban policy centres creating solutions that make a difference in the real world.

**CHANGING HOW WE SEE THE WORLD**
Ground-breaking technology is creating cameras so fast they can freeze light in motion. Capable of seeing through walls and around corners, they are providing innovative solutions in rescue missions and in the car, aircraft and defence industries worldwide.

**INNOVATING GLOBAL DESIGN PRACTICE**
Exploring how communication works between design professionals and craft practitioners leading to innovating design practice on a global scale.

**DESIGNING NEW SOLUTIONS IN CONDUCTIVE TEXTILES**
Innovating possibilities for new product development in conductive textiles leading to worldwide solutions and practical applications in the medical, defence and sportswear industries.
GENERATING A SAFER ENVIRONMENT
Investigating solutions in phase behaviour and kinetics of gas hydrate to improve performance and create a safer petroleum engineering environment.

BRIDGING GLOBAL LANGUAGE BOUNDARIES
Leading the way on the effects of multilingual and multicultural communication. Educating international language professionals. Bridging language boundaries, creating understanding in the real world.

CHALLENGING GLOBAL OIL INDUSTRY ISSUES
Tackling the global oil industry’s most challenging issues. Forensic geoscience research revealing new understanding of how sedimentary basins develop and evolve. Identifying innovative solutions for safe carbon storage sites.

PROTECTING HUMAN HEALTH
Working with governments and industry worldwide driving innovative research solutions into the safe use of nanotechnology to protect and improve human health.

INNOVATING MEASUREMENT AND ANALYSIS
Challenging the boundaries of automated measurement and analysis systems to drive progress across science, engineering and the world beyond.

SECURING GLOBAL COMMUNICATION
Leading the way in developing practical quantum communication systems and imaging approaches to make data security systems secure from global cyber-attack.

EXPLORING HUMAN IMPACT ON THE DEEP SEA
Examining how human activities are impacting deep-sea ecosystems, from augmenting fisheries to buffering the ocean against pH changes and ocean acidification.

LIGHTING QUANTUM TECHNOLOGIES
Developing quantum light sources for future technologies which exploit the bizarre properties of quantum mechanics.
Heriot-Watt provides an outstanding environment to undertake postgraduate research leading to a PhD or EngD. We currently host around 600 PhD and EngD students. First-class training in both specialist and generic skills is provided that focuses on providing the necessary support for career development.

Research projects are offered with supervisors working at the cutting edge of contemporary topics from the fundamental to the applied in all of our disciplines. Projects often involve working in research teams, with industry involvement, and many with collaborations with other leading research laboratories around the world.

A £7 million Postgraduate Centre provides a hub that combines facilities for training, outreach, and social interaction with other postgraduate students from across the University.

**RESEARCH DEGREES:**
- PhD and EngD
- DBA
- MPhil

**Research opportunities and scholarships**

School, Research Institute, and Research Centre web pages provide detailed information on research and potential research project opportunities for PhD and EngD studies. We offer a number of competitive funded scholarships for research degree studies. Full or partial support may be available for well-qualified candidates from UK research councils, research pools, charities, industry or the University’s own scholarships.

The University offers annual James Watt Scholarships, approximately 80 each year, for well-qualified applicants. Other competitive funding is available such as RCUK funded Doctoral Training Awards.

The research degrees listed are not exhaustive. If you have an idea around a specific research theme please get in touch. Our contact details are listed opposite.

**PhD opportunities in Energy, Geoscience, Infrastructure and Society**
E: egis-pgr-apps@hw.ac.uk
T: +44 (0) 131 451 8363

**PhD opportunities in Engineering and Physical Sciences**
E: pgr.eps@hw.ac.uk
T: +44 (0) 131 451 3027

**PhD opportunities in Social Sciences**
E: pgadmissions.soss@hw.ac.uk
T: +44 (0) 131 451 3284

**PhD opportunities in Mathematical and Computer Sciences**
E: macspgenquiries@hw.ac.uk
T: +44 (0) 131 451 8444/8337

**PhD opportunities in Textiles and Design**
E: enquiries@tex.hw.ac.uk
T: +44 (0) 1896 892156

**PhD opportunities in Edinburgh Business School**
E: oncampusmba@ebs.ac.uk
T: +44 (0) 131 451 3090

**Postgraduate Research Prospectus**
www.hw.ac.uk/research/phd-opportunities.htm
Inter-university doctoral training centre schemes

Heriot-Watt participates in a number of inter-university doctoral training centre schemes:

- EPSRC Centre for Doctoral Training in Applied Photonics
- EPSRC Centre for Doctoral Training in Critical Resource Catalysis (CRITICAT)
- Scottish Doctoral Training Centre in Condensed Matter Physics (EPSRC)
- Scottish Graduate School of Social Sciences (ESRC)
- Continuous Manufacturing and Crystallisation (EPSRC/Heriot-Watt/Industry)
- ETP Energy Industry Doctorate Programme (SFC/Heriot-Watt/Industry)
- Scottish Universities Physics Alliance Prize Studentships (SFC/Heriot-Watt)
- Scottish Informatics and Computer Science Alliance Prize Studentships (SFC/Heriot-Watt)
- Marine Alliance for Science and Technology for Scotland Prize Studentships (SFC/Heriot-Watt)
- Robotics and Autonomous Systems (Heriot-Watt/University of Edinburgh)
- Embedded Intelligence (Heriot-Watt/Loughborough)
- Maxwell Institute Graduate School in Analysis and its Applications (MIGSAA) (Heriot-Watt/University of Edinburgh)
- Centre for Doctoral Training in Oil and Gas (NERC)

www.hw.ac.uk/research/phd-opportunities.htm

Research Futures provides postgraduate research students with a full programme of training and development throughout their PhD, EngD or MPhil studies. The main programme is delivered at the Edinburgh Campus and contains a wide range of courses pitched at various levels of expertise. Course sessions are typically delivered in three-hour sessions facilitated by experts.

Heriot-Watt University is a member of Vitae, an international organisation dedicated to world-class professional and career development of researchers. Vitae offers a wealth of resources and advice designed specifically for researchers.

WORLD-CLASS RESEARCH

The Research Excellence Framework (REF) assesses the quality of research in UK higher education institutions.

In the REF 2014 Heriot-Watt ranked 9th university in the UK and 1st in Scotland for research impact.

RESEARCH-LED EDUCATION

Over 80% of our academic staff are engaged in research at internationally recognised levels, delivering impact across society in areas as diverse as providing greater equality for deaf people, managing risk in the insurance industry and enhancing oil extraction from our seas.

Over 82% of our research is assessed as world-leading or internationally excellent in our core disciplines of science and engineering, business and management, languages and design (REF 2014).

www.hw.ac.uk/research
How to Apply

**APPLYING FOR TAUGHT AND RESEARCH POSTGRADUATE PROGRAMMES**

**Entry requirements**

General rules are:

- For entry to a Postgraduate Diploma programme you need to have completed a first degree.
- For entry to a taught Masters programme you need a minimum of a first degree at Lower Second Class Honours (or the equivalent).
- For entry to a research programme you need to have the equivalent of a first degree at the level of First Class or Upper Second Class Honours (or the equivalent).
- If you have relevant work experience and some academic attainments but no degree it may be possible to be admitted to a postgraduate programme. Please contact us to discuss your background.
- If English is not your first language then an IELTS score of 6.5 (minimum) will be required. You can also study an English programme at Heriot-Watt to fulfil this condition.

**Making your application**

To submit an application online you will need to create an account. You can then use these login details to upload your supporting documents or track the status of your application.

For further details of applying online or to request a paper form, visit: [www.hw.ac.uk/pg-uk-apply](http://www.hw.ac.uk/pg-uk-apply)

**ENGLISH FOR POSTGRADUATE STUDY**

Postgraduate study requires a good level of English language proficiency and academic skills to ensure you can understand lectures, participate in seminars, read and understand academic research papers and use ideas in your writing. There are a range of programmes to help you to reach the level you need to be successful on your degree.

Full details on all our English programmes and equivalent test scores can be found here: [www.hw.ac.uk/foundation](http://www.hw.ac.uk/foundation)

**Pre-Masters English programme**

This is for students who need at least a year of language study before they are ready to start their degree. You will have a minimum of IELTS 4.5 or equivalent. The programme includes 20 hours of taught classes per week over two semesters, supplemented by self-study. If you pass all your courses, you can gain a Certificate in Foundation English.

**Pre-sessional programmes for students still to meet English entrance requirements**

With an IELTS level of 5.5 or equivalent you can join a fourteen-week pre-sessional programme commencing in May, a ten-week programme starting in June, or a six-week programme starting in July. Please refer to the website for required level of individual skills.

Visit the website for more details: [www.hw.ac.uk/foundation](http://www.hw.ac.uk/foundation)

**Please note:** In some circumstances it might be possible for us to issue you with a single Confirmation of Acceptance for Studies (CAS) which you can then use to apply for a student visa to cover both the pre-sessional and degree programme. However you must pass the pre-sessional programme in order to progress to degree study.

**INTERNATIONAL STUDENT ADVISORS OFFICE**

Our International Student Advisors can provide help and support on all issues relating to international students including Tier 4 visa applications (both in the UK and outside of the UK), Academic Technology Approval Scheme (ATAS), living and working in the UK, accommodation, childcare, healthcare and organising your finances. You can find more information online: [www.hw.ac.uk/isaol](http://www.hw.ac.uk/isaol)
Supporting You

As well as supporting your academic career we want to ensure you’re getting all the additional help you need. To help you achieve your goals we have a wide range of high-quality academic and personal support staff who can be contacted whenever you need them.

**ACCOMMODATION**

We have new, state-of-the-art halls of residence on our Edinburgh Campus which provide spacious student accommodation.

Find out more: [www.hw.ac.uk/edin-pg-newhalls](http://www.hw.ac.uk/edin-pg-newhalls)

Postgraduate students are housed in self-catering halls, most with en-suite facilities and internet access, with wi-fi throughout.

Find out more: [www.hw.ac.uk/accommodation-ed](http://www.hw.ac.uk/accommodation-ed)

For help to find suitable accommodation off-campus please contact flats@hw.ac.uk

For information on student accommodation at our Scottish Borders Campus go to: [www.hw.ac.uk/accommodation-sbc](http://www.hw.ac.uk/accommodation-sbc)

**FINANCES**

Effective financial planning is essential for all postgraduate students, whether you are funded or self-financing, a UK national or an international student. We estimate that you will need around £9,700 per annum to meet living costs. Outline student budgets for September 2019 entry will be available from March 2019 at [www.hw.ac.uk/finances](http://www.hw.ac.uk/finances)

The British Council provides extensive information on student funding options at [www.britishcouncil.org/study-work-create/practicalities/funding-studies](http://www.britishcouncil.org/study-work-create/practicalities/funding-studies)

Additional information on potential sources of University funding is available at [www.hw.ac.uk/scholarships](http://www.hw.ac.uk/scholarships)

**ACCOMMODATION GUARANTEE**

New, full-time postgraduate students studying for the full academic year on our Edinburgh Campus are guaranteed accommodation if they have accepted the offer of a place and applied for accommodation before the closing date advertised on our website.
TUITION FEES AND FUNDING

Tuition fees vary, depending on the programme you choose and where you come from. Information on tuition fees and funding can be found online:  
www.hw.ac.uk/fees-pg

You can find out how to pay here:  
www.hw.ac.uk/payment

FUNDING POSSIBILITIES

As a great deal depends on your own circumstances, funding cannot be guaranteed by any particular route. Take a look at the table below for further information. If you are not sure whether you qualify as a European Union or ‘Other Overseas’ student ask for a Fee Status form to complete, also available online.  
www.hw.ac.uk/documents/fee-status-enquiry-form.pdf

- Funding depends on your programme. Some are funded through Local Authorities or have Research Council funding. Very few programmes have funding for all students. If you want funding apply early (by April of the year of entry). It is usually offered on a competitive basis.
- Postgraduate Tuition Fee Loans are available to some Scottish and EU students on selected programmes. Contact SAAS or your local funding body for more information.
- Banks offer Career Development Loans for suitable applicants who are studying in the UK.
- The School where you are to study may nominate you for Research Council funding or a Heriot-Watt scholarship.
- Contact the British Council in your own country to find out more about local scholarships.
- Sometimes employers/government are prepared to sponsor employees through their studies.
- Contact the School to which you are applying for information on any other scholarships that may be available.
- Contact the British Council in your own country.
- Ask the School if you can be considered for a Heriot-Watt scholarship.
- Provide independent funding.
- Often employers are prepared to sponsor employees through their studies.

* A research degree means PhD, EngD, MPhil and MSc by research. All other postgraduate study programmes, including taught MSc degrees, are regarded as being taught programmes.
INTERNATIONAL STUDENT ADVISORS

As a new international student at Heriot-Watt University, you’ll be joining one of the largest international student cohorts at a Scottish university. Our small dedicated team of International Student Advisors are here to help you with your preparation for coming to study and live in the UK. We offer advice and assistance on immigration and tuition fees, and general guidance on living and studying in the UK (council tax, bank accounts, healthcare, etc.).

Find out more: www.hw.ac.uk/isao

STUDENT UNION

There’s more to university life than simply getting your degree, and Heriot-Watt University Student Union is all about helping you to have the best possible experience while you study here. Heriot-Watt University Student Union is run by students, for students. It aims to promote, defend and extend students’ rights, provide advice and support, and empower student social and voluntary activity, as well as providing a range of services in an environment where individuals can feel safe and able to participate.

Find out more: www.hwunion.com

DISABILITY SERVICE

Advice and guidance are just a call or email away. To discuss the support you need please contact the Disability Service on +44 (0) 131 451 3509.

Find out more: www.hw.ac.uk/disability

INFORMATION AND TECHNOLOGY SERVICES

We provide state-of-the-art Library, Information and Technology services to support your research, learning, teaching and administrative activities.

Find out more: www.hw.ac.uk/is

SPORT

In 2016, our Edinburgh Campus became home to Oriam, Scotland’s Sports Performance Centre. Housed in a stunning £33 million purpose-built sports facility, this cutting-edge development transforms Heriot-Watt into the performance training centre for, among others, Scotland’s national football and rugby squads. Our centre was also the catalyst for new postgraduate programmes in management and leadership in sport, courses that combine industry expertise within Oriam with the theoretical underpinning of our world-leading academics. This world-class facility will support you to develop your full potential as an athlete and student, making our Edinburgh Campus a perfect place for you to combine academic and sporting performance. Find out more: www.oriamscotland.com

COUNSELLING AND SUPPORT

We can offer you counselling, support and information to help you deal with any difficulties you may face while studying with us.

Find out more: www.hw.ac.uk/counselling
CHILDCARE
We have a nursery based on our Edinburgh Campus. It provides childcare for children between three months and five years old. It is called Pinocchio’s and is fully registered with the Care Inspectorate.

Find out more:
www.pinocchiosnursery.co.uk
www.hw.ac.uk/childcare

HEALTH AND WELLBEING
Staying healthy, both physically and mentally, ensures you remain focused on your studies, achieve your full potential and enjoy the experience of being a student.

Find out more:
www.hw.ac.uk/support

CHAPLAINCY AND WORSHIP
The Chaplaincy on our Edinburgh Campus exists to promote spiritual and social wellbeing. It is open to everyone – both students and staff – from all backgrounds and cultures. People of all faiths and no religious faith are welcome.

Find out more:
www.hw.ac.uk/chaplaincy
DISCLAIMER OF LIABILITY

Heriot-Watt University will make all reasonable efforts to deliver the programmes described in this prospectus.

Prospective students should be aware that it is occasionally necessary to modify, discontinue or combine programmes and/or make changes to entry requirements. This may be necessary for a number of reasons such as low enrolments, illness or departure of staff, industrial action or reduction of funding. The University does not provide education on a commercial basis, and is dependent on public and charitable funds which require the University to deploy its resources efficiently and rationally. Changes will only be made if the University reasonably considers it to be necessary.

If a programme is discontinued, the University will use reasonable endeavours to provide a suitable alternative and will take all reasonable steps to minimise disruption; allow a student to withdraw without penalty if a programme is cancelled or significantly varied, with an appropriate refund of tuition fees and deposits.

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