



**BE
FUTURE
MADE**

**MALAYSIA
POSTGRADUATE
PROSPECTUS 2023**



UK | DUBAI | MALAYSIA

BECOME A FUTURE MADE LEADER.

JOIN US TO PUSH THE FRONTIERS OF SCIENCE, TECHNOLOGY, ENGINEERING, BUSINESS AND DESIGN.

For 200 years our education and innovative research has had a profound social impact on a world stage. A pioneer in bringing education to working people, Heriot-Watt was founded as the world's first Mechanics Institute and last year we celebrated our 200th Anniversary. Our founding ethos continues to underpin the industry-informed education that gives our postgraduate students the drive to hit the ground running and be Future Made in their career of choice.

University is a life-changing experience and Heriot-Watt is a vibrant academic and employer-connected community. You will find us a place that has a mission to support all our students to truly flourish, both academically and to gain a clear sense of personal purpose for the future. Across all our campuses our focus is to continue to play a leading role in the global pandemic recovery and to lead out in addressing the climate challenge of being globally free of the effects of fossil fuels within a generation.



PROFESSOR RICHARD A. WILLIAMS
OBE, FREng, FRSE, FTSE
Principal and Vice-Chancellor

In particular, we are stepping up our industry collaborations and partnerships; focusing our research strengths and 'in-demand' skills in subjects ranging from Data Science, Healthcare Technologies, Cyber Security and Renewable Energy to Artificial Intelligence, Robotics, Logistics, Business Management and Marketing. Our aim is to connect you to people and career opportunities across the world through our international campus locations and our 152,000 alumni in 190 countries.

When you decide to pursue your postgraduate studies, you are committing to enhancing your future prospects. At Heriot-Watt University, you become part of a community of trailblazers and innovators who utilise knowledge to achieve positive impact.

Our postgraduate degrees strive to provide you with a rich university experience: from teaching excellence, facilities, scholarships, industry partners to arming you with the necessary skills for success in the age of the Fourth Industrial Revolution.

To ensure that you are fit for a rapidly evolving and highly disruptive future, we provide you with unique yet challenging opportunities to broaden your knowledge, sharpen your skills and hone your expertise towards becoming world-class professionals who will go on to make an impact on the world.

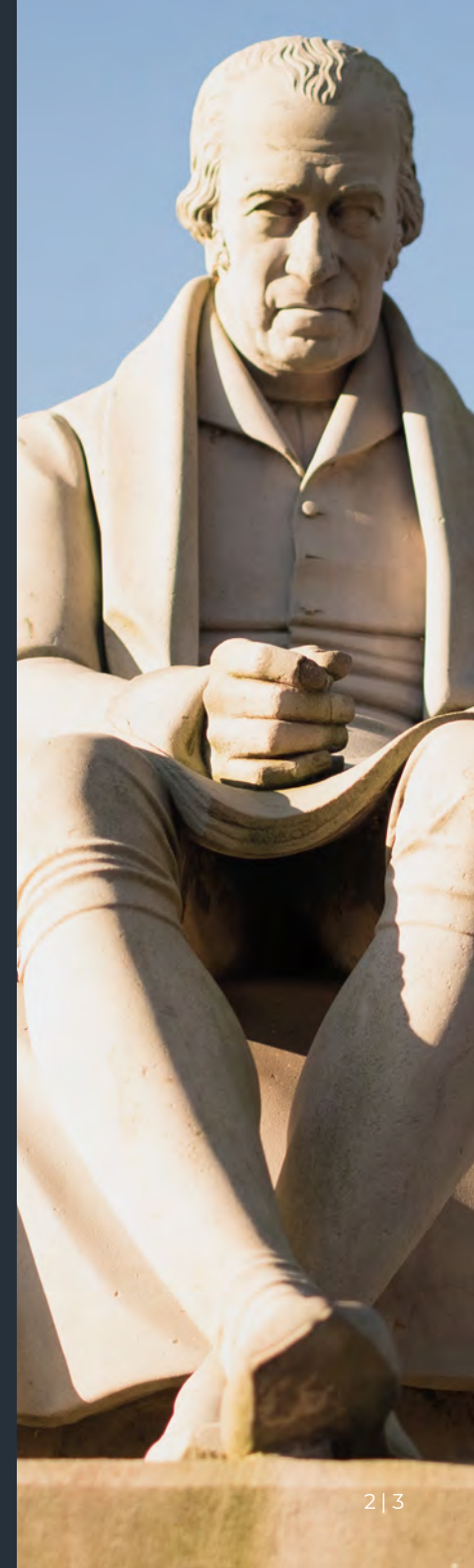
I am confident that Heriot-Watt University is the right choice for you to realise your ambition.

I look forward to welcoming you personally into our global community.



PROFESSOR MUSHTAK AL-ATABI
Provost and Chief Executive Officer
Heriot-Watt University Malaysia

FUTURE MADE



REPUTATION AND RANKINGS

Heriot-Watt is valued 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. 86.8% of our research is classed, in REF21, as world-leading and internationally excellent, delivering impact in areas as diverse as providing greater equality for deaf people and helping to manage risk in the insurance industry.

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.

TIMES/SUNDAY TIMES GOOD UNIVERSITY GUIDE 2022



6TH IN SCOTLAND AND 30TH IN THE UK OUT OF 131 UNIVERSITIES

AWARDED QUEEN'S ANNIVERSARY PRIZE FOR PIONEERING RESEARCH IN PHOTONICS



THE QUEEN'S ANNIVERSARY PRIZES FOR HIGHER AND FURTHER EDUCATION 2021

Heriot-Watt is valued for its pioneering research, informed by the global needs of business and industry.

top 200 WORLDWIDE FOR

Mathematics, Chemical Engineering, Civil Engineering, Electrical Engineering and Petroleum Engineering. (QS Subject Rankings 2022)

top 10 IN THE UK FOR

Computer Science & Information Systems, Construction, Surveying & Planning, and Economics; 1st in Scotland in Construction, Surveying & Planning and 2nd in Scotland in Chemical Engineering. (Guardian University Guide 2023)

no.1 UK PROVIDER

of global postgraduate degrees. (HESA 2020)

top in UK

in Physics for world-leading research outputs and top in Scotland for overall world-leading research with 97% classed as world-leading and internationally excellent. (REF21)

top 10 IN THE UK FOR

Building, General Engineering, Aeronautical & Manufacturing Engineering, Chemical Engineering, Town and Country Planning and Landscape, and Mathematics. (The Times and The Sunday Times Good University Guide 2023)

OUR IMPACT

OUR IMPACT



WORLD-CLASS RESEARCH

86.8%

of the University's research outputs are classed as world-leading and internationally excellent (REF21)

We're proud to be rated in the top 290 universities in the world. (QS World University Rankings 2023).

We will bring you into contact with leading researchers who

are working on some of the most important areas for twenty-first-century society. 86.8% of our research is classed, in REF21, as world-leading and internationally excellent, delivering impact in areas as diverse as robotics and artificial intelligence, decarbonisation to create a carbon neutral future, and finding solutions to global challenges facing our planet from the deep sub-surface of the earth to the polar regions. 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.

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WHAT'S DIFFERENT

Belong to a diverse, inclusive and international community working together across boundaries and cultures. As a pioneer in education and innovative research for 200 years, a Heriot-Watt education is informed by the needs of international business and industry. Our research has had a profound impact on the global challenges faced by society.

In joining us you will become an integral part of that community where we inspire curiosity to learn and find solutions that transform lives. You will be part of a truly global university, with around 27,000 students, five campuses and over 100 learning partners worldwide. You will join scholars who are leaders in ideas and solutions, delivering innovation, educational excellence and ground-breaking research.

5 GLOBAL CAMPUSES

A truly international University with five global campuses, partners in over 100 countries and around 27,000 students studying worldwide.

OUR IMPACT

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

OUR FACILITIES

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.

94% GRADUATE LEVEL JOBS

94% of Heriot-Watt students are in employment or further study within 15 months after graduation and are actively sought by global industry.

RESEARCH WITH IMPACT

Our research makes a real difference to people and the world we live in. From tackling climate change, to pushing the boundaries in artificial intelligence and the future of global business logistics, we are leading the way.

LEARNING THROUGH DOING

Our approach to learning is informed by our research strengths and aligned to the needs of industry and the professions. Our students get real exposure to the industries they want to work in – through hands-on practical learning in our labs, projects, internships and industry case studies – that's why we are No.1 in Scotland for graduate employability.

A TRULY GLOBAL PERSPECTIVE

Some universities claim to be global, but at Heriot-Watt we have both an international reputation and global campuses that provide opportunities like no other. Our perspective on the world and your future career path is truly global and can take you further than you could imagine.

A SPECIALIST IN THE SUBJECTS THAT MATTER

From science and engineering, to all paths of business, mathematics, computer science and design, we strive for academic excellence and real-world relevance in all our subject areas. We offer degree programmes that are valuable to you, potential future employers and society.

ONE HERIOT-WATT

Across our five academic schools, five global campuses, and our Edinburgh Business School, by choosing Heriot-Watt you will join a community of over 27,000 students and an alumni network of over 152,000, who stand shoulder to shoulder with our faculty of leaders in ideas and solutions.

MADE FOR THE WORLD OF WORK

94%

OF POSTGRADUATE STUDENTS ARE IN WORK OR FURTHER STUDY 15 MONTHS AFTER GRADUATING.

Our Careers and Graduate Futures Service can help you to identify your options, provide market intelligence, develop your graduate attributes and offer individual career consultation. It can continue to offer support and guidance for up to two years after you graduate.

For further information please see: www.hw.ac.uk/careers

146

EMPLOYER EVENTS

290

SKILLSWORKSHOPS DELIVERED

138

IN-CLASS CAREERS TALKS

2,000+

INTERNSHIPS AND GRADUATE JOBS ADVERTISED BY THE CAREERS AND GRADUATE FUTURES SERVICE

We can help you to enjoy the same success. 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. 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 FutureMade graduates bring to the workplace. Each School has a dedicated careers consultant 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.

Each year we hold two University-wide recruitment fairs and seven industry-specific recruitment and networking events, along with a range of employer presentations and insight events, giving you the chance to meet with graduate employers and find out about opportunities.

Check our website for up-to-date details: www.hw.ac.uk/uk/business/career-fairs

YOUR FUTURE MADE CAREER AND EMPLOYABILITY

Our links to global business and industry are part of the DNA at Heriot-Watt, which makes our postgraduate students sought after by employers around the world. Your postgraduate education here gives you a unique globally connected perspective and experience, whether that's through specialist guest lectures, industry visits, exhibitions or career events.

You will learn from academics who are leaders in their field, have 'hands-on' industry experience and know exactly what employers are looking for in our postgraduate students.

“As a significant leader in employability, Heriot-Watt produces high-calibre graduates who are fully equipped for future success. A number of these graduates are currently developing successful careers at Cisco, contributing valuable knowledge and expertise while helping to grow our reputation as a worldwide leader in IT, networking and cybersecurity solutions. Our partnership with Heriot-Watt continues to go from strength to strength and we will continue to recruit from Heriot-Watt's elite pool of talented graduates.”

TOM KNEEN
CTO Office, Cisco UKI



94% OF HERIOT-WATT POSTGRADUATE STUDENTS ARE IN EMPLOYMENT OR FURTHER STUDY WITHIN 15 MONTHS OF GRADUATION.

GRADUATE OUTCOMES SURVEY 2019

MADE FOR POSTGRADUATE STUDY

We offer scholarships to assist with the cost of postgraduate study, which includes funding opportunities for all applicants to postgraduate taught Masters programmes at our UK campuses.

We are committed to supporting our students with an attractive and competitive range of scholarships and bursaries.

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.

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

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

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

**£1,500 -
£3,000**

Postgraduate Merit Awards

100s
OF STUDENTS
SUPPORTED

20%
FEES REDUCTION

for Heriot-Watt
University alumni

100%
FEES
SCHOLARSHIPS

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.

BABOUKARR SALLAH FROM THE GAMBIA,
MSc INTERNATIONAL FINANCE AND ECONOMIC
DEVELOPMENT, SCHOOL OF SOCIAL SCIENCES



KUALA LUMPUR

is ranked as Asia's most affordable study destination.
QS BEST STUDENT CITIES RANKING 2023

MALAYSIA

is ranked 5th safest in Asia-Pacific.
2020 GLOBAL PEACE INDEX

4,600km

Home to some of the world's most idyllic beaches and islands, Malaysia has over 4,600km of coastline with over 90 islands to choose from.

MULTI-RACIAL MULTI-ETHNIC

Dubbed "mini Asia", Malaysia is a multi-racial and multi-ethnic country where the majority are Malays, Chinese and Indian.

WHY MALAYSIA

Making the most of both learning and leisure time is second nature to the aspiring Heriot-Watt University student studying at the Malaysia campus.



MADE IN HERIOT-WATT MALAYSIA



www.hw.ac.uk/malaysia

The campus is a state-of-the-art teaching and learning environment, reflecting our status as a leading provider of high-quality, professionally orientated education, knowledge transfer and research.

Whether you are a Malaysian or are travelling from abroad, our purpose-built campus in Putrajaya has something to offer for every aspiring graduate.

A FANTASTIC CENTRAL LOCATION

Heriot-Watt University Malaysia's campus is based in the modern garden-city of Putrajaya just 25km south of Malaysia's capital Kuala Lumpur. Putrajaya is a growing, dynamic city and its proximity allows easy access to the extensive cultural, leisure and retail amenities of the buzzing metropolis.

MALAYSIA'S FIRST GREEN CAMPUS

Heriot-Watt University Malaysia's purpose-built campus opened to students in Putrajaya in September 2014 and the formal launch took place on 12 February 2015. The £35m campus sits on 4.8 acres in a stunning lakeside location providing exceptional educational facilities in an excellent environment, close to the Putrajaya marina and its modern leisure and sports facilities. This is a fantastic green area, part of Putrajaya Lake's 'green continuum', of which building design is a conscious reference.

A GREEN ROOF TO MATCH

The 'green campus' is remarkable for having the first living grass roof of its kind in Malaysia. At 300 metres long and 30 metres wide, it is the most recognisably sustainable feature of the campus. The roof shades the naturally ventilated spaces below, reduces thermal transmittance, and acts as an observation deck, accessible by glass lift. Other environmentally friendly, passive design features include campus lighting 'powered' by the maximum use of natural daylight, a rainwater harvesting system and optimised air-conditioning and thermal control systems.

THE UK'S NEW

NATIONAL ROBOTARIUM

UK'S LEADING INNOVATION
HUB IN ROBOTICS
AND AUTONOMOUS SYSTEMS

"This is an important time in the evolution and application of this most disruptive and ground-breaking of technologies."

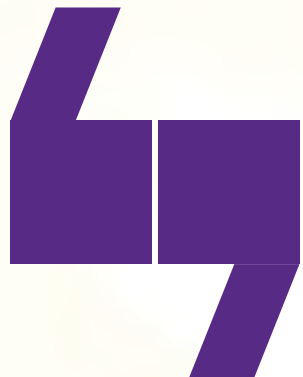
STEWART MILLER
Chief Executive Officer
National Robotarium

Heriot-Watt is home to the UK's new National Robotarium, delivering leading-edge research and support for business creation and growth, as well as data skills, new undergraduate and postgraduate programmes, and continuous professional development. The National Robotarium is a joint partnership with the University of Edinburgh and will be the UK's leading innovation hub for the practical application of robotics and autonomous systems to drive economic growth and transform people's lives worldwide.



www.hw.ac.uk/nationalrobotarium





When joining our School and Heriot-Watt University, you join a network of industry professionals, top academics and people driven to succeed. We are here to prepare you to enter competitive job markets, excel professionally or even start a new business.

PROFESSOR ANGUS LAING
EXECUTIVE DEAN, EDINBURGH BUSINESS SCHOOL



BE FUTURE MADE IN

BUSINES⁺S

Join Scotland's largest Business School: we support over 14,000 students based in more than 150 countries.

Our mission is to create tomorrow's leaders for tomorrow's markets and we specialise in industry-focused business degree programmes which embrace a truly international outlook.

Studying with us will kick-start your business career: we've an established reputation for producing high-calibre, career-ready graduates. Our alumni include FTSE100 CEOs, a Prime Minister, and entrepreneurs behind many successful start-up businesses, to name just a few.

Our work with industry ensures your learning will prepare you for the real world. You'll be taught by experienced professionals, and globally-recognised academics, delivering course content that is cutting-edge and up-to-date.

Many of our programmes are delivered across Heriot-Watt's campuses in Edinburgh, Dubai and Malaysia, offering you an exciting opportunity to transfer between our worldwide locations for one semester or more.

The University's student community is highly international, made up from 158 different countries, so you will have many opportunities to meet and learn with people from all over the world. Coupled with our high quality degree programmes, this dynamic, inter-cultural experience will open your mind and expand your learning to ensure your career is FutureMade.



EDINBURGH
BUSINESS
SCHOOL



www.hw.ac.uk/virtualtours

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.



EDINBURGH

A FESTIVAL CITY WITH AN INTERNATIONAL OUTLOOK



www.hw.ac.uk/edinburgh



www.hw.ac.uk/borders



GALASHIELS

A WORLD LEADING CENTRE
FOR CREATIVITY AND DESIGN

www.hw.ac.uk/orkney



ORKNEY

A 'LIVING LABORATORY'
SUPPORTING THE GLOBAL
MARINE INDUSTRY



www.hw.ac.uk/malaysia

MALAYSIA

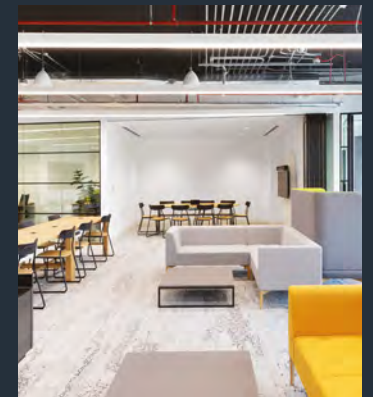
RANKED 12TH IN UNESCO'S
TOP 20 COUNTRIES FOR
STUDENT DESTINATIONS



www.hw.ac.uk/dubai

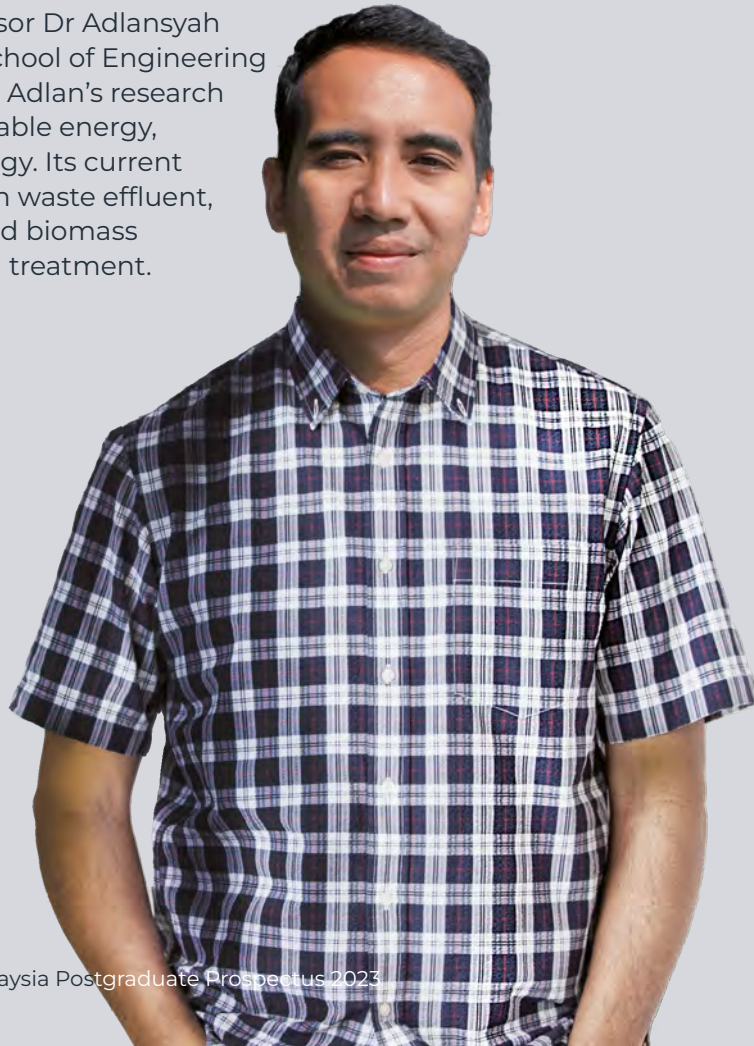
DUBAI

DUBAI IS IN UNESCO'S
TOP 20 DESTINATIONS
FOR GLOBAL STUDENTS



TACKLING CLIMATE CHANGE THROUGH RENEWABLE ENERGY

Meet Associate Professor Dr Adlansyah Abd Rahman of the School of Engineering and Physical Sciences. Adlan's research is in the field of renewable energy, specialising in bioenergy. Its current focus is on biogas from waste effluent, solid biofuel pellets and biomass upgrading via thermal treatment.



www.hw.ac.uk/malaysia



My passion for sustainable development has also led me to actively participate in various renewable energy projects that would benefit communities from micro-hydro power, to off-grid solar photovoltaics, to bio-char from agricultural residues.

Q CAN YOU DESCRIBE WHAT YOUR SPECIALIST RESEARCH FOCUSES ON?

A My research work is in the field of renewable energy, specialising in bioenergy. Currently, I'm focused on biogas from waste effluent, solid biofuel pellets and biomass upgrading via thermal treatment.

I am also involved in projects that integrate other renewable energy solutions – such as solar, wind, hydropower and battery storage – and my passion for renewables has led me to actively participate in community development projects considering micro-hydropower, off-grid solar photovoltaics and biochar from agricultural residues.

Q WHAT ADVICE WOULD YOU GIVE TO A POSTGRADUATE STUDENT CONSIDERING HERIOT-WATT?

A Make use of every opportunity to engage with the industry experts available to you across our globally connected campuses. You will find this is very conducive in preparing you for the challenges ahead and can help you to make an impact. Our approach and ethos can also help you to find ways to make a contribution to achieving the UN Sustainable Development Goals which are crucial to our planet's future.

Q HOW IS YOUR WORK INFLUENCING TOMORROW'S WORLD?

A It is imperative that we build an inclusive sustainable future, and energy transition is hugely important. However, progress towards the UN Sustainable Development goals, and energy transition globally, differs across communities, so we must find ways to boost education and public understanding of the importance of mitigating climate change. Across my work I look to participate in dialogue and knowledge exchange with key stakeholders, such as local authorities, academia and industry, to increase awareness and build understanding. I am a delegate in various national committees, such as Academic Research for Palm Oil Sustainability (ARPOS) network, Malaysian Palm Oil Certification Council (MPOCC), National Technical Committee on Renewable Energy, and Standards Working Group on Solid Biofuel, amongst others. I am also a committee member of the Malaysia Branch of the Energy Institute. The Institute has provided opportunities to work with international partners and build understanding of the nuances of global issues facing the energy sector.

UP-SKILLING THE WORKFORCE TO FORGE A STRONGER FUTURE

Meet Associate Professor Dr Gowrie Vinayan of the School of Social Sciences. Gowrie's research focuses on supply chain and project management. It covers areas such as Total Quality Management, Business Sustainability, Women's Empowerment and Project Management.



www.hw.ac.uk/malaysia



My recent research on up-skilling and re-skilling the workforce via Industry-driven TVET, outlines practical strategies to forge a two-way relationship between the industrial sectors and the institutions in the country.

Q CAN YOU DESCRIBE WHAT YOUR SPECIALIST RESEARCH FOCUSES ON?

A My research is focused on management across operations, production, project and supply chains. I look at varied areas, such as total quality management, business sustainability and women's empowerment.

My recent research on upskilling and reskilling the workforce via industry driven technical and vocational education and training (TVET), outlines practical strategies to forge an effective two-way relationship between the industrial sectors and institutions in Malaysia. A strategic approach is urgently needed to accelerate participation in TVET partnerships. This research will assist the implementation of sustainable educational policies and support the Malaysian Education Blueprint 2013-2025.

Q WHAT ADVICE WOULD YOU GIVE TO A POSTGRADUATE STUDENT CONSIDERING HERIOT-WATT?

A Postgraduate study at Heriot-Watt offers you the opportunity to meet like-minded people, learn from key industry professionals, and gain exposure to new industries through our alumni all around the globe. Our programmes are designed

specifically to develop the skills you need to meet the demands of business and industry, and many are accredited by the relevant governing industry body, helping you to keep up with ever-changing industry standards.

Q WHAT DO YOU THINK GIVES HERIOT-WATT POSTGRADUATES THAT EXTRA EDGE IN THEIR CHOSEN FIELD OF EXPERTISE?

A Postgraduate modules are designed, and frequently revised, with advice from industry players, ensuring that they remain relevant to changing situations and environments in our globalised world. The specialised programmes are geared towards the development of in-depth knowledge and develop students' ability to manage people and processes by improving their competencies, skills and management knowledge required for top level positions. As a globally connected university, Heriot-Watt provides a dynamic environment where students have opportunities to travel and experience life and learning overseas through the Go Global programme. This exposes them to other cultures and facilitates mixing with inspiring academic staff, who are leading experts in their field, located at the University's various campuses.

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/online independent distance learning), fees and funding please go to our website.

Please note there are options to begin your programme in September or January. See our website for the most up-to-date information.

Please note our Programme Portfolio is currently under review and some of the programmes listed in this prospectus may change. Please refer to our website for up-to-date information on the subject area you are interested in.

www.hw.ac.uk/malaysia-pg



Postgraduate Programmes

T Taught Programme **R** Research Degree

www.hw.ac.uk/malaysia

Energy, Geoscience, Infrastructure and Society

	Programme	Intake	Award
T	Construction Project Management (KPT/JPS (R/526/7/0026) (FA2926) 02/23)	FT/PT	MSc
T	Commercial Management and Quantity Surveying (KPT/JPS (R/526/7/0032) (FA3475) 06/23)	FT/PT	MSc
T	Petroleum Engineering (KPT/JPS (R/544/7/0001) (FA3474) 06/23)	FT/PT	MSc
R	Building (KPT/JPS (N/582/8/0033) (PA10717) 12/26)	FT/PT	PhD

Engineering and Physical Sciences

	Programme	Intake	Award
T	Advanced Mechanical Engineering (N/521/7/0182)(PA14181) 01/26	FT/PT	MSc
T	Renewable Energy Engineering (KPT/JPS (R/522/7/0030) (FA2721) 02/23)	FT/PT	MSc
R	Engineering and Engineering Trades (KPT/JPS (N/520/8/0107) (PA10719) 05/26)	FT/PT	PhD

Mathematical and Computer Sciences

	Programme	Intake	Award
R	Statistics (KPT/JPS (N/462/8/0032) (PA10718) 4/26)	FT/PT	PhD

Social Sciences and Edinburgh Business School

	Programme	Intake	Award
T	Business Psychology (KPT/JPS (R/311/7/0028)(FA3653) 06/23)	FT/PT	MSc
T	Business Strategy, Leadership and Change (KPT/JPS (R/345/7/0839) (FA5527) 08/25)	FT/PT	MSc
T	International Business Management with Finance (KPT/JPS (N/340/7/0718) (FA8512) 12/26)	FT/PT	MSc
T	International Business Management with Marketing (KPT/JPS (R/340/7/0351) (FA3830) 10/23)	FT/PT	MSc
T	Strategic Project Management (KPT/JPS (R/345/7/0508) (FA4163) 03/24)	FT/PT	MSc
T	Master of Business Administration (KPT/JPS (R/2/345/7/0228)(FA2182)08/27)	FT/PT	MBA
R	Business and Administration (KPT/JPS (N/340/8/0734) (PA10716) 4/26)	FT/PT	PhD
R	Social and Behavioural Science (KPT/JPS (N/310/8/0038) (PA10715) 2/26)	FT/PT	PhD

HASHWINI LALCHAND THADANI'S STORY

FUTURE MADE IN RENEWABLE ENERGY ENGINEERING



HASHWINI LALCHAND THADANI
MSC RENEWABLE ENERGY ENGINEERING
CLASS OF 2020

My learning experience with Heriot-Watt University was great. The programme was designed to introduce us to various sources of unconventional energy and provide an understanding of the technical applications of these alternative resources. The lecturers and supervisors were engaging and were always ready to lend a helping hand. The knowledge I've gained with this programme has benefitted me and the company I've recently joined. I am able to give insightful solutions and apply my skills here and I hope to keep learning so that I can contribute more to the industry.

www.hw.ac.uk/malaysia



POSTGRADUATE TAUGHT

Many of our programmes offer a September or January start. Check the website for up-to-date information of intake dates for the programme you are interested in.

MOHAN GURUSAMY'S STORY

FUTURE MADE IN BUSINESS PSYCHOLOGY



MOHAN GURUSAMY
MSc BUSINESS PSYCHOLOGY
CLASS OF 2022

I had made the decision to pursue my Master's Degree and I was looking for the best university to do so. An ideal university for me was one that was internationally recognised, offered a part-time programme that fits with my professional schedule, and allowed me to pursue a programme in an interesting field despite coming from a different undergraduate background. Heriot-Watt University Malaysia and the MSc Business Psychology programme offered all of the above.

The quality of the programme exceeded my expectations. I did not expect the high academic standard and focus on student development that I received at Heriot-Watt University Malaysia. The rigorous emphasis on academic thinking and academic process imparted in me the gravity of the work being done at Heriot-Watt University Malaysia. I also truly valued the support that the University extends to its students, and how much positive psychology and coaching are a part of the academic culture.

www.hw.ac.uk/malaysia

Business Psychology

MSc

Intake:	September, January
Duration:	Full-time, 1 year (weekdays and weekends) Part-time, 2 years (evening classes on weekdays and weekends)
Fees:	See website for details: www.hw.edu.my/fees
Programme:	KPT/JPS (R/311/7/0028) (FA3653) 06/23

OVERVIEW

The programme is aimed at people already in, or aspiring towards, a career in any business setting. It provides detailed understanding of many aspects of psychology relevant to the workplace. The programme equips graduates with knowledge and understanding of psychological theory, evidence and methods relevant to business practice in a wide range of organisations and the skills and personal qualities needed to apply their knowledge successfully in the course of their business careers.

ACCREDITATION

In accordance with our normal practice our professionally orientated programmes are designed to meet the educational requirements for membership of relevant professional institutions. In addition to recognition within Malaysia, we seek accreditation by the relevant UK or international professional bodies in accordance with their standard procedures.

CAREER OPPORTUNITIES

The main graduate destinations are business, industry and commerce. The programme is particularly focused on delivering graduates with skills appropriate to marketing and human relations, and to the operations of global businesses. However, it is expected that some graduates will find employment within other business specialisms.

TEACHING AND ASSESSMENT

Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current.

Assessment is through a balance of examinations, coursework and a substantial research project.

CORE COURSES

- Introduction to Human Factors
- Psychology for Marketing
- Coaching Psychology
- Research Methods
- Social and Organisational Change
- Organisational Culture
- Psychology of Leadership
- Diversity
- Research Project for Business Psychology

ENTRY REQUIREMENTS

A first or second class Honours degree in Psychology, or a Bachelor's degree in another subject with the minimum credits of prerequisite modules in Psychology, recognised by the Malaysian Government and acceptable to the University.

Business Strategy, Leadership and Change

MSc

Intake:	September, January
Duration:	Full-time, 1 year (weekdays and weekends) Part-time, 2 years (weekends only)
Fees:	See website for details: www.hw.edu.my/fees
Programme:	KPT/JPS (R/345/7/0839) (FA5527) 08/25

OVERVIEW

This programme has been designed to build student knowledge and understanding of formulating and monitoring business strategies, how to develop change programmes and understand the impact of different leadership styles in particular contexts. This knowledge will enhance students' personal development, so they become more effective when they undertake a managerial role.

The programme offers five taught core courses, four are strategy-oriented with the fifth being a research methods course, which is designed to be of relevance to senior and middle managers, high-potential junior managers, management consultants, entrepreneurs, and directors of small and medium-sized enterprises.

In addition, the programme caters for non-specialists who wish to pursue a more general business/managerial career, but with a business strategy emphasis. There are also opportunities to study three optional strategy-oriented courses (from a choice of six), which allow participants to customise the programme according to their needs and interests. The programme

will be completed by a dissertation that will take a strategy-oriented perspective.

This perspective should emphasise one or a combination of the programme's key subject themes of business strategy, leadership and change.

The MSc Business Strategy, Leadership and Change has been designed to equip the next generation of organisational managers with skills which include business strategy, strategic change, leadership, systems thinking and analysis, project management, business economics and quality management and engineering.

ACCREDITATION

This programme is accredited by the Chartered Management Institute.

CAREER OPPORTUNITIES

This programme is aimed at ambitious professionals and graduate students who wish to move into middle and senior management roles in small, medium and large enterprises, management consultancy or set-up their own business venture. The programme will enable this by providing candidates with tools, frameworks and ideas to help them play a more effective role in strategy formulation and implementation, developing change programmes and understanding the impact of different leadership styles in particular business settings.

TEACHING AND ASSESSMENT

Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current.

Assessment is through a balance of examinations, coursework and a dissertation.

CORE COURSES

- Competitive Strategy
- Strategic Change
- Leadership
- Strategic Innovation Management
- Research Philosophy and Practice
- Strategy Dissertation

OPTIONAL COURSES

(SELECT THREE)

- Systems Thinking and Analysis
- Project Management
- Quality Management and Engineering
- Business Economics
- International Marketing

ENTRY REQUIREMENTS

A relevant first or second class Honours degree or a degree qualification, or equivalent qualification recognised by the Malaysian Government, acceptable to the University.

Accredited by



LAILA SYAHIRA'S STORY

FUTURE MADE IN BUSINESS STRATEGY, LEADERSHIP AND CHANGE



LAILA SYAHIRA BINTI ZULKIFLI
MSC BUSINESS STRATEGY,
LEADERSHIP AND CHANGE

Heriot-Watt University is certainly the right place to do a postgraduate degree. The syllabus and coursework are updated to reflect current global changes. The location of the campus, which is away from the busy city, makes it easier to focus on one's studies. A postgraduate degree here really gives you a glimpse of current trends in the field, and truly prepares you for real-life application.

www.hw.ac.uk/malaysia

Commercial Management and Quantity Surveying

MSc

Intake:	September, January*
Duration:	Full-time, 1 year (weekdays and weekends) Part-time, 2 years (weekends only) *January intake: Full-time - 1 and half years Part time - 2 and half years
Fees:	See website for details: www.hw.edu.my/fees
Programme:	KPT/JPS (R/526/7/0032) (FA3475) 06/23

OVERVIEW

The need for quantity surveyors is vital for the efficient financial management of construction projects. As a partner university of the Royal Institution of Chartered Surveyors (RICS), Heriot-Watt is instrumental in meeting the educational needs of quantity surveying graduates by building on their previous education and experience to prepare them for the demands of this profession.

Successful completion of the programme develops the necessary skills to provide a quality benchmark recognised by prospective employers to enhance an individual's career progression.

ACCREDITATION

This programme is accredited by the Royal Institution of Chartered Surveyors (RICS).

CAREER OPPORTUNITIES

The programme is focused on delivering high quality graduates for quantity surveying and built environment consultancies. Some graduates may find employment with government agencies

or contracting consultancies, or possibly in finance or with the military. Others may pursue research or teaching.

TEACHING AND ASSESSMENT

Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current.

Assessment of the taught component is through a balance of examinations and coursework.

CORE COURSES

- Sustainable Design and Development
- People and Organisation Management in the Built Environment
- Strategic Commercial and Contracts Management
- Value and Risk Management
- Quantity Surveying Financial Management
- Construction Financial Management
- Construction Practice and Information Technology
- Research Dissertation

OPTIONAL COURSES

(SELECT ONE)

- Urban Economy and Property Markets
- Advance Construction Technology

ENTRY REQUIREMENTS

A relevant first or second class Honours degree or equivalent qualification recognised by the Malaysian Government, acceptable to the University.

Accredited by



HYWEL PHILLIPS'S STORY

FUTURE MADE IN PETROLEUM ENGINEERING



HYWEL PHILLIPS
MENG PETROLEUM ENGINEERING
CLASS OF 2018



I was the first international student from the UK to come over for an entire degree, studying 4 years at the beautiful lakeside campus in Putrajaya – I have fond memories of my time in Malaysia (where I met my future wife!) and still keep in touch with my classmates who will remain friends for life.

After being taught by lecturers with many years of industry experience, I secured an internship in Azerbaijan during my 3rd year. After graduating, I returned to the UK to work offshore in the North Sea as an oil field engineer, where Heriot-Watt University's strong reputation helped my interview process out of thousands of applicants. I have recently changed my career to teaching mathematics in secondary schools, and I know Heriot-Watt University will continue to develop the next generation of skilled engineers and scientists.

www.hw.ac.uk/malaysia

Construction Project Management

MSc

Intake:	September, January*
Duration:	Full-time, 1 year (weekdays and weekends) Part-time, 2 years (weekends only) *January intake: Full-time - 1 and half years Part time - 2 and half years
Fees:	See website for details: www.hw.edu.my/fees
Programme:	KPT/JPS (R/526/7/0026) (FA2926) 02/23

OVERVIEW

This discipline has become central to the management approach adopted by numerous international industries in the public and private sectors. It is focused on industrial relevance, ensuring that graduates are quickly able to make a positive and effective contribution to the success of their working environment, and the development of their own professional careers.

ACCREDITATION

This programme is accredited by the Royal Institution of Chartered Surveyors (RICS) and the Chartered Institute of Building (CIOB).

CAREER OPPORTUNITIES

For graduates with a first degree in a built environment subject it can provide a competitive edge in a fierce employment market. For architects, engineers and other professionals it can provide a move into project management. The programme increasingly attracts those whose qualifications and experience lie outside the field of construction, but recognise the career opportunities that exist for suitably qualified Construction Project Management graduates.

TEACHING AND ASSESSMENT

Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current.

Assessment of the taught component is through a balance of examinations and coursework.

CORE COURSES

- Project Management: Theory and Practice
- Project Management: Strategic Issues
- Value and Risk Management
- Construction Financial Management
- Strategic Commercial and Contracts Management
- Construction Practice and Information Technology
- People and Organisation Management in the Built Environment
- Research Dissertation

OPTIONAL COURSES

(SELECT ONE)

- Construction Technology 3
- Urban Economy and Property Markets
- Sustainable Design and Development

ENTRY REQUIREMENTS

A relevant first or second class Honours degree or equivalent qualification recognised by the Malaysian Government, acceptable to the University.

Accredited by



Advanced Mechanical Engineering

MSc

Intake:	September
Duration:	Full-time, 1 year (weekdays and weekends) Part-time, 2 years (weekdays and weekends)
Fees:	See website for details: www.hw.edu.my/fees
Programme:	KPT/JPS (N/521/7/0182) (PA14181) 01/26

OVERVIEW

This programme aims to develop the knowledge and skills through advanced teaching, design work and research. It provides an opportunity for candidates from engineering backgrounds to develop key mechanical engineering knowledge and skills required for their professional development.

This programme has been designed to meet the skills required by industry and to encourage students into further learning. It also provides graduates with additional advanced level knowledge and skills to be eligible as a chartered or a professional engineer.

ACCREDITATION

In accordance with our normal practice our professionally orientated programmes are designed to meet the educational requirements for membership of relevant professional institutions. In addition to accreditation within Malaysia, we seek accreditation by the relevant UK or international professional bodies in accordance with their standard procedures.

CAREER OPPORTUNITIES

The programme aims to equip graduates with the latest and specialist technical knowledge in mechanical engineering through the advanced level courses offered. The courses are taught by collaborative teams across the three international campuses made entirely of PhD holders or registered professional engineers.

TEACHING AND ASSESSMENT

Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current.

Assessment of the taught component is through a balance of examinations and coursework.

CORE COURSES

- Professional and Industrial Studies
- Computational Fluid Dynamics and Heat Transfer
- Failure Accident Analysis
- Master's Dissertation
- Critical Analysis and Research Preparation

OPTIONAL COURSES

- Engineering Design
- Fluids 1 & 2
- Advanced Mechanics of Materials
- Dynamics 1 & 2
- Heat Transfer and Heat Exchangers
- Renewable Energy Technologies
- FLAME Appraisal
- Advanced Thermodynamic Applications
- FLAME Development

ENTRY REQUIREMENTS

A relevant first or second class Honours degree in engineering discipline, or an equivalent qualification recognised by the Malaysian Government, acceptable to the University.

Renewable Energy Engineering

MSc

Intake:	September, January
Duration:	Full-time, 1 year (weekdays and weekends) Part-time, 2 years (weekdays and weekends)
Fees:	See website for details: www.hw.edu.my/fees
Programme:	KPT/JPS (R/522/7/0030) (FA2721) 02/23

OVERVIEW

This is a specialist programme that aims to equip students with a broad, yet detailed overview of renewable energy resources and their exploitation, the socio-economic and environmental impacts of related activities. It provides a broad introduction to current energy issues with specialist knowledge and skills to analyse, appraise or design renewable energy systems or equipment.

This programme is an advanced MSc in the rapidly expanding area of renewable energy engineering. It is aimed at students wishing to develop critical understanding of the changes in the energy industry due to the development and integration of wind, marine, biomass and solar technologies. It enables graduates to develop and implement creative solutions for the renewable energy capture, conversion, storage and management.

ACCREDITATION

The MSc Renewable Energy Engineering is accredited by the professional body, the Energy Institute as Further Learning for a Chartered Engineer (CEng).

CAREER OPPORTUNITIES

Many students studying this programme are already in employment. This MSc can enhance their career prospects, enabling them to contribute more thoroughly by applying the knowledge and skills they have gained. As the importance of the renewable energy sector continues to increase, this programme equips graduates to move into other areas of employment in this exciting field.

TEACHING AND ASSESSMENT

Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current. Assessment of the taught component is through a balance of examinations and coursework.

CORE COURSES

- Foundations of Energy
- Renewable Energy Technologies
- Economics of Renewable Energy
- Advanced Renewable Energy Engineering
- Demand Management and Energy Storage
- Environmental Impact Assessment
- Critical Analysis and Research Preparation
- Master's Dissertation

OPTIONAL COURSES

- Heat Exchangers and Heat Transfer
- Electrical Power Systems

ENTRY REQUIREMENTS

A relevant first or second class Honours degree in a physical science or engineering discipline, or an equivalent qualification recognised by the Malaysian Government, acceptable to the University.

Accredited by



International Business Management with Finance

MSc

Intake:	September, January
Duration:	Full-time, 1 year (weekdays and weekends) Part-time, 2 years (weekends only)
Fees:	See website for details: www.hw.edu.my/fees
Programme:	KPT/JPS (N/340/7/0718) (FA8512) 12/26

OVERVIEW

This Master's degree is aimed at graduates who have little or no business or management background in their first degree and who wish to gain a broad-based business qualification to enhance their future career prospects, or at those looking to develop business management knowledge and skills to allow them to change or further their careers.

The international focus of the programme attracts students from all around the world, giving a rich learning environment where international experience and practice is shared.

ACCREDITATION

In accordance with our normal practice our professionally orientated programmes are designed to meet the educational requirements for membership of relevant professional institutions. In addition to recognition within Malaysia, we seek accreditation by the relevant UK or international professional bodies in accordance with their standard procedures.

CAREER OPPORTUNITIES

The main graduate destinations are business management for industry, commerce and higher education. The programme is focused on delivering graduates with the knowledge and skills appropriate to contemporary, international business environments and positions, with particular relevance to finance. It is also expected that some graduates will find employment within other business or governmental specialisms.

TEACHING AND ASSESSMENT

Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current. Assessment is through a balance of examinations, coursework and a dissertation.

CORE COURSES

- International Business Context
- Competitive Strategy
- Financial Analysis
- Business Economics
- Research Philosophy and Practice
- Finance
- Dissertation

OPTIONAL COURSES

(SELECT TWO)

- Marketing
- Leadership
- Project Management
- Quality Management

ENTRY REQUIREMENTS

A relevant first or second-class Honours degree or a degree qualification, or equivalent qualification recognised by the Malaysian Government, acceptable to the University.

International Business Management with Marketing

MSc

Intake:	September, January
Duration:	Full Time, 1 Year (weekdays and weekends) Part Time, 2 Years (weekends only)
Fees:	See website for details: www.hw.edu.my/fees
Programme:	KPT/JPS (R/340/7/0351) (FA5014) 10/23

OVERVIEW

This Master's degree is aimed at graduates, from varied degree backgrounds, to gain a broad-based business qualification to enhance future career prospects. It is also for those looking to develop business management knowledge and skills to enable them to change or further their careers.

Graduates will typically be able to demonstrate a critical appreciation of core and specialist theories, concepts and applications evident within contemporary business environments.

The programme develops an appreciation of business management within dynamic, international contexts; application of theoretical solutions to business problems to inform effective practice; and engagement in business-relevant decision-making, marketing, leadership and team-working.

ACCREDITATION

In accordance with our normal practice our professionally orientated programmes are designed to meet the educational requirements for membership of relevant professional institutions. In addition to recognition within Malaysia, we seek accreditation by the relevant UK or

international professional bodies in accordance with their standard procedures.

CAREER OPPORTUNITIES

The main graduate destinations are business management for industry, commerce and higher education. The programme is focused on delivering graduates with the knowledge and skills appropriate to contemporary, international business environments and positions, with particular relevance to marketing. It is also expected that some graduates will find employment within other business or governmental specialisms.

TEACHING AND ASSESSMENT

Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current. Assessment is through a balance of examinations, coursework and a dissertation.

CORE COURSES

- International Business Context
- Competitive Strategy
- Marketing
- Business Economics
- Research Philosophy and Practice
- International Marketing
- Dissertation

OPTIONAL COURSES

(SELECT TWO)

- Financial Analysis
- Leadership
- Project Management
- Quality Management

ENTRY REQUIREMENTS

A relevant first or second class Honours degree or a degree qualification, or equivalent qualification recognised by the Malaysian Government, acceptable to the University.

Master of Business Administration

MBA

Intakes will have the option of Full-Time for May 2023 intake onwards. September 2023 continues to be a Full-Time option and January 2023 is a Part-Time option.

Intake:	September, January, May
Duration:	Full-Time: 1 year Part-time: 2 years (intensive weekend seminars)
Fees:	See website for details: www.hw.edu.my/fees
Programme:	KPT/JPS(R2/345/7/0228) (FA2182)08/27

OVERVIEW

Across the globe, students are particularly drawn by the academic rigour of the MBA programme, its intellectual challenge and its ability to greatly enhance their career prospects.

The MBA programme is geared to the needs of business professionals who seek a range of skills and expertise for which the programme is renowned.

Our campus at Putrajaya brings together a powerful combination of our global campus faculty (UK, Dubai and Malaysia) to deliver cutting-edge best practice to our MBA students.

At the campus, we have a dedicated MBA programme director and an administrative assistant who will be happy to answer any queries. We also conduct regular MBA previews for those who want to know more about our School and our programme in Malaysia.

TEACHING AND ASSESSMENT

Teaching is delivered through seminars and classes, which creates a dynamic environment for students with diverse experiences, backgrounds and cultures to share and exchange knowledge in a rich learning environment. These intensive seminars are delivered in English by our global faculty.

Seven core courses and two elective courses are required for the MBA degree. Students will benefit from 48 hours of tutored interaction for each core course. A large amount of time will be spent studying independently (approximately 200 hours per course). Each course is assessed by a 3-hour written examination. Students may also opt to do their examinations by e-assessment.

CORE COURSES

- Delivering Successful Projects
- Developing and Executing Strategy
- Economics for Business
- Financial Decision Making
- Leadership Theory and Practice
- People, Work and Organisations
- Strategic Marketing

ELECTIVE COURSES

(SELECT TWO)

- Entrepreneurial Venturing
- Entrepreneurship and Creativity
- Making Strategies Work
- Negotiation
- Strategic Risk Management

ENTRY REQUIREMENTS

A relevant first or second-class Honours degree or a degree qualification, or equivalent qualification recognised by the Malaysian government, are acceptable to the University. A minimum of two years' post-qualifying full-time work experience of a relevant nature.

Strategic Project Management

MSc

Intake:	September, January
Duration:	Full-time, 1 year (weekdays and weekends) Part-time, 2 years (weekends only)
Fees:	See website for details: www.hw.edu.my/fees
Programme:	KPT/JPS R/345/7/0508 (FA4163) 03/24

OVERVIEW

The MSc in Strategic Project Management is an established and highly regarded programme at Heriot-Watt University. This Master's degree differentiates itself from other project management programmes by providing greater emphasis on strategically managing a portfolio of projects to deliver organisational goals.

The programme has a strong focus on the strategic alignment of projects to ensure that projects deliver organisational values and benefits. This encompasses both project management as a process to deliver end products, and change management as a process of capturing the rational and emotional buy-in of those affected by change to ensure its success.

ACCREDITATION

The programme is accredited by the Project Management Institute (PMI) and the Global Accreditation Center for Project Management Education Programs (GAC), the world's leading specialised accrediting body for project management higher education degree programmes.

CAREER OPPORTUNITIES

The programme is excellent preparation for those looking for roles that have

a strategic focus and defined end goals. Our Strategic Project Management graduates have gone on to successful careers within project management roles across a variety of organisations including management consultancies; energy, construction and engineering firms; financial and banking sector firms; manufacturing and service sector firms.

TEACHING AND ASSESSMENT

Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current. Assessment is through a balance of examinations, coursework and a dissertation.

CORE COURSES

- Strategic Project Management
- Leadership
- Research Philosophy and Practice
- Project Management
- Strategy Dissertation

OPTIONAL COURSE

(SELECT UP TO FOUR)

- Systems Thinking and Analysis
- Strategic Change
- Competitive Strategy
- Strategic Innovation Management
- Quality Management

ENTRY REQUIREMENTS

A relevant first or second class Honours degree or a degree qualification, or equivalent qualification recognised by the Malaysian Government, are acceptable to the University.

Accredited by



Petroleum Engineering

MSc

Intake:	September, January
Duration:	Full-time, 1 year (weekdays and weekends) Part-time, 2 years (weekends only)
Fees:	See website for details: www.hw.edu.my/fees
Programme:	KPT/JPS (R/544/7/0001) (FA3474) 06/23

OVERVIEW

Petroleum Engineering at Heriot-Watt is ranked 13th in the world and 3rd in the UK, and 1st in the UK for employer reputation (QS World University Rankings by subject 2022). The programme consists of lectures and project work, encompassing a wide range of petroleum engineering fundamentals, pertinent to the modern petroleum industry. Project work provides an opportunity for ideas and methods, assimilated through lectures and tutorials, to be applied to real field evaluation and development design problems.

The courses are applied in nature and have been designed so that graduates are technically well prepared for, and have a sound knowledge of the industry. These courses provide specialist education tailored to the requirements of the upstream petroleum industry. The relevance of this education combined with careful selection of candidates has encouraged oil and oilfield service companies to target Heriot-Watt for recruitment of graduates over the years.

ACCREDITATION

In addition to recognition in Malaysia, we seek accreditation by UK and international professional bodies in accordance with their standard procedures.

CAREER OPPORTUNITIES

The main graduate destination is the upstream oil and gas industry as well as low carbon energy industries such as geothermal energy, hydrogen storage and carbon capture and storage (CCS). The programme is recognised by graduate recruiting businesses globally, and many of our graduates are employed at the most senior technical and management levels in international oil and gas companies.

TEACHING AND ASSESSMENT

Our students experience a stimulating teaching environment which blends conventional lectures and tutorials with online material in our Virtual Learning Environment. Programmes are regularly reviewed by research-active staff in Edinburgh, Dubai and Malaysia to ensure that the learning material is relevant and current.

Assessment of the taught component is through a balance of examinations and coursework.

FIELDTRIP AND SITE VISITS

As part of the programme, students are also taken on a number of field trips and site visits in Malaysia. These trips allow students to apply the knowledge from the programme in the real world.



CORE COURSES

- Reservoir Engineering
- Petroleum Geoscience
- Drilling Engineering
- Formation Evaluation
- Reservoir Engineering - Well Test Analysis
- Reservoir Simulation
- Petroleum Economics
- Production Technology

PROJECTS

- Design Project
- Individual Project

ENTRY REQUIREMENTS

- A relevant first or second class Honours degree or a degree qualification, or equivalent qualification recognised by the Malaysian Government, acceptable to the University
- For postgraduate conversion courses, non-related degrees will be considered.
- Corporate (or chartered) membership of relevant professional institutions will also be considered

Applicants will need good mathematical ability to succeed in their programmes i.e. university level mathematics commonly encountered on engineering degrees and be confident in further development of these skills.

Candidates who do not meet the above entry requirements or have no formal academic qualifications will be considered individually based on their CV and possibly interview. Admission via this route will be at the discretion of the Programme Director.

POSTGRADUATE RESEARCH DEGREES

Heriot-Watt Malaysia provides an outstanding environment to undertake postgraduate research leading to a PhD. We offer supervision by leading academics working at the forefront of their discipline and delivering research that helps transform society and drive the economy. We also offer first-class training in both specialist and generic skills 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.

PHD DEGREES OFFERED:

- Social and Behavioural Science
- Business and Administration
- Statistics
- Engineering and Engineering Trades
- Building

Research Opportunities and Scholarships

School, Research Institute, and Research Centre web pages provide detailed information on research and potential research project opportunities for PhD studies.

The University offers annual James Watt Scholarships, approximately 80 each year, for well-qualified applicants.

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 ABOVE.

PHD ENQUIRIES FOR:

MATHEMATICAL AND COMPUTER SCIENCES

ENGINEERING AND PHYSICAL SCIENCES

ENERGY, GEOSCIENCE, INFRASTRUCTURE AND SOCIETY

SOCIAL SCIENCES

EDINBURGH BUSINESS SCHOOL

E: HWUM@hw.ac.uk

POSTGRADUATE RESEARCH PROSPECTUS

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



POSTGRADUATE RESEARCH

Note: Intakes for PhD programmes are: January, May, September

Building

PhD

Intake: January, May, September

Duration: Full time: 3-6 years /
Part-time: 4-8 years

Fees: See website for details:
www.hw.edu.my/fees

Programme: KPT/JPS (N/582/8/0033)
(PA10717) 12/26

OVERVIEW

Our aim is to provide each student with an opportunity to deploy knowledge, understanding, critical thinking and develop an analytical approach in identifying and resolving problems.

The mode of delivery is via supervised research work of typical duration three years and culminating in the submission of a thesis normally within four years from the date of first registration. Students will work under the supervision of an expert academic team; normally comprising staff from both our Malaysia and UK campuses.

Students will also be expected to publish their work in high impact journals (although this is not a pre-requisite for viva and/or graduation).

All students are subject to an annual appraisal to assess progress. Students will not be allowed to progress to the following year of study if this process is not complete.

The language of instruction is English.

Research areas in the field include (but are not limited to):

- Building design
- Building performance
- Green buildings and sustainability
- Construction Management and Economics
- Contacts and Procurement
- Information Technology in Construction
- BIM
- Climate change impacts on buildings
- Smart Construction
- Construction Innovation
- Risk Management
- Value Management

ENTRY REQUIREMENTS:

All applicants should hold an MSc or first class MEng recognised by the Malaysian government and deemed acceptable by the University. Occasionally, candidates holding a first class BEng (Hons) or BSc (Hons) may be admitted if they also have significant research experience.

Business and Administration

PhD

Intake: January, May, September

Duration: Full time: 3-6 years /
Part-time: 4-8 years

Fees: See website for details:
www.hw.edu.my/fees

Programme: KPT/JPS (N/340/8/0734)
(PA10716) 4/26

OVERVIEW

The mode of delivery is via supervised research work of typical duration three years and culminating in the submission of a thesis normally within four years from the date of first registration. Students will work under the supervision of an expert academic team; normally comprising staff from both our Malaysia and UK campuses. Students will also be expected to publish their work in high impact journals (although this is not a pre-requisite for viva and/or graduation).

All students are subject to an annual appraisal to assess progress. Students will not be allowed to progress to the following year of study if this process is not complete. The language of instruction is English.

Research areas in the field include (but are not limited to):

- Business Management and Practice
- Commercial Law
- Business Administration
- Management and Marketing
- TQM and Strategic Management

ENTRY REQUIREMENTS:

All applicants should hold an MSc recognised by the Malaysian Government and deemed acceptable by the University. Occasionally, candidates holding a first class BSc (Hons) or BA (Hons) may be admitted if they also have significant research experience. Candidates may be required to complete our PG Certificate in Research Methods delivered by the Edinburgh Business School.

Engineering and Engineering Trades

PhD

Intake: January, May, September

Duration: Full time: 3-6 years /
Part-time: 4-8 years

Fees: See website for details:
www.hw.edu.my/fees

Programme: KPT/JPS (N/520/8/0107)
(PA10719) 05/26

OVERVIEW

The mode of delivery is via supervised research work of a typical duration of three years and culminating in the submission of a thesis normally within four years from the date of first registration. Students will work under the supervision of an expert academic team; normally comprising staff from both our Malaysia and UK campuses. Students will also be expected to publish their work in high-impact journals (although this is not a pre-requisite for viva and/or graduation).

All students are subject to an annual appraisal to assess progress. Students will not be allowed to progress to the following year of study if this process is not complete. The language of instruction is English.

Research areas in the field include (but are not limited to):

- Chemical Engineering
- Mechanical Engineering
- Computational Mechanics
- Tribology
- Renewable Energy Systems
- Fluid Dynamics
- Multiphase Flow
- Process Engineering
- Electrical and Electronic Engineering
- Signal Processing
- Optical Communication
- Petroleum Engineering
- Civil Engineering
- Highway Engineering
- Hydraulics
- Polymer Engineering
- Additive Manufacturing
- IC Design
- 3D Image Registration
- Structural Engineering
- Water Resources
- Environmental Engineering
- Geotechnical Engineering
- Material Science and Technology

ENTRY REQUIREMENTS:

All applicants should hold an MSc or first-class MEng recognised by the Malaysian Government and deemed acceptable by the University. Occasionally, candidates holding a first class BEng (Hons) or BSc (Hons) may be admitted if they also have significant research experience.

NYAN SHU QI'S STORY

FUTURE MADE IN CHEMICAL ENGINEERING



NYAN SHU QI
MENG CHEMICAL ENGINEERING
WITH OIL AND GAS TECHNOLOGY

Throughout my 5 years here in Heriot-Watt University Malaysia, I have managed to meet amazing people who became my closest friends later. Thank you for sticking by me through it all, for making me feel supported, loved, and cared for. Besides, Heriot-Watt University Malaysia has also given me the opportunity to be part of student clubs, hosting various events to engage with students throughout. Being part of Heriot-Watt University Malaysia has taught me the importance of being an empathetic leader by forming strong bonds with the team, in order to achieve great things as a whole.

Lastly, I would like to extend my eternal gratitude to all the Chemical Engineering lecturers for all you have done. Your efforts, and the time you spent helping me on many occasions are truly appreciated. Thank you for never giving up on me, and shaping me into the strong person I am.

www.hw.ac.uk/malaysia

Social and Behavioural Science

PhD

Intake:	January, May, September
Duration:	Full time: 3-6 years / Part-time: 4-8 years
Fees:	See website for details: www.hw.edu.my/fees
Programme:	KPT/JPS (N/310/8/0038) (PA10715) 2/26

OVERVIEW

The mode of delivery is via supervised research work of typical duration of three years and culminating in the submission of a thesis normally within four years from the date of first registration. Students will work under the supervision of an expert academic team; normally comprising staff from both our Malaysia and UK campuses.

Students will also be expected to publish their work in high-impact journals (although this is not a pre-requisite for viva and/or graduation).

All students are subject to an annual appraisal to assess progress. Students will not be allowed to progress to the following year of study if this process is not complete.

The language of instruction is English.

Research areas in the field include (but are not limited to):

- Business Psychology
- Coaching Psychology
- Educational Psychology
- Positive Psychology and Well-being

ENTRY REQUIREMENTS:

All applicants should hold a Masters Degree in Psychology or a relevant or equivalent qualification as recognised by the Malaysian Government and deemed acceptable by the University. Occasionally, candidates holding a first class BSc (Hons) in Psychology or in a related field, may be admitted if they also have significant research experience.

Candidates are required to complete our PG Certificate in Research Methods delivered by the Edinburgh Business School. This is delivered via self-paced online learning and assessed by examination.

Statistics

PhD

Intake:	January, May, September
Duration:	Full time: 3-6 years / Part-time: 4-8 years
Fees:	See website for details: www.hw.edu.my/fees
Programme:	KPT/JPS (N/462/8/0032) (PA10716) 4/26

OVERVIEW

The mode of delivery is via supervised research work of typical duration three years and culminating in the submission of a thesis normally within four years from the date of first registration. Students will work under the supervision of an expert academic team; normally comprising staff from both our Malaysia and UK campuses.

Students will also be expected to publish their work in high impact journals (although this is not a pre-requisite for viva and/or graduation).

All students are subject to an annual appraisal to assess progress. Students will not be allowed to progress to the following year of study if this process is not complete.

The language of instruction is English.

Research areas in the field include (but are not limited to):

- Statistics
- Actuarial Studies
- Statistical Quality Control
- Queueing Theory
- Financial Modelling
- Risk Theory
- Computational Statistics
- Bayesian Statistics
- Data Assimilation and Predictive Analytics

ENTRY REQUIREMENTS:

All applicants should hold an MSc recognised by the Malaysian Government and deemed acceptable by the University. Occasionally, candidates holding a first class BSc (Hons) may be admitted if they also have significant research experience.

MADE TO MAKE AN IMPACT

“Our strong performance in the REF21 shows that our research, and our shared research, continues to go from strength-to-strength, focusing on major global challenges, interdisciplinarity and collaboration. Physics has done outstandingly well, and is an area of well-established excellence, further recognised in the 2021 Queen’s Anniversary Prize for photonics.”

Professor Steve McLaughlin
Deputy Principal of Research and Impact



Our communities of scholars come from across the world and for a purpose: to transform people and the world. As leaders in ideas and solutions, they deliver innovation and educational excellence in business, engineering, design and the physical, social and life sciences.

OUR PIONEERING RESEARCH IS...

- DRIVING GLOBAL SUSTAINABILITY
- ADVANCING ARTIFICIAL INTELLIGENCE
- INNOVATING GLOBAL DESIGN PRACTICE
- REVOLUTIONISING CELL BIOLOGY
- TACKLING GLOBAL ISSUES IN HOUSING AND POVERTY
- DESIGNING NEW SOLUTIONS IN CONDUCTIVE TEXTILES
- EXPLORING HUMAN IMPACT ON THE DEEP SEA
- BRIDGING GLOBAL LANGUAGE BOUNDARIES
- GENERATING A SAFER ENVIRONMENT
- PROTECTING HUMAN HEALTH
- LEADING QUANTUM TECHNOLOGIES
- CHALLENGING GLOBAL OIL INDUSTRY ISSUES
- PIONEERING DECARBONISATION AND CARBON STORAGE
- SECURING GLOBAL COMMUNICATION



www.hw.ac.uk/research

HOW TO APPLY

Applying for taught and research postgraduate programmes

ENTRY REQUIREMENTS

General rules are:

- 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 a Masters degree in a similar field 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 visit:
www.hw.ac.uk/malaysia/study/apply.htm

You will need to create an account and choose the academic year in which you wish to study. Once you have filled in all the relevant sections please upload the following documents:

- Copy of the photo page of your passport
- English language certificates, e.g. IELTS, from an approved centre.

If you have already created an account for your chosen degree programme(s) you can log back in without the need to create a new login and account.

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/study/entry/english-language-requirements.htm

SUPPORTING INTERNATIONAL STUDENTS

Our Education Consultants and Global Student Office can provide help and support on all issues relating to your student visa to study in Malaysia including accommodation, and medical check-ups. You can find more information online: www.hw.ac.uk/uk/students/international/malaysia-students.htm

SUPPORTING YOU



At Heriot-Watt, we believe that a university education is an investment in your future. In order to help with your finances, we offer a range of scholarships to qualifying students.

TUITION FEES

For full details of current tuition fees for local and international students, please visit:

www.hw.edu.my/fees

SCHOLARSHIPS

Our range of scholarships to qualifying students includes those offered by Heriot-Watt and industry partners.

For full details of all the scholarships and assistance offered, visit:

www.hw.ac.uk/malaysia/study/fees/scholarships.htm

SUPPORTING YOU

HERIOT-WATT CORPORATE PARTNERSHIP POSTGRADUATE BURSARY

The Heriot-Watt Corporate Postgraduate Partnership Bursary is a concession package for students who are applying to our postgraduate taught programmes in a group of more than one from the same company.

This is applicable for local, international, part-time or full-time students.

HOW DOES IT WORK?

- Up to three employees from the same organisation enrolling for any postgraduate taught programme within the same intake will be entitled to a 25% reduction in fees for all.
- Four employees and above from the same organisation enrolling for any postgraduate programme within the same intake will each receive a 30% reduction in fees.



FAMILY DISCOUNT

(For Foundation, Undergraduate and Postgraduate Taught Studies and MBA). A discount of 10% is granted to parents, and siblings and/or a spouse of a Heriot-Watt University alumnus who registers for a programme of study at Heriot-Watt University Malaysia.

HERIOT-WATT ALUMNI DISCOUNT

(For Postgraduate Taught Studies only and MBA). A discount of 20% is granted to Heriot-Watt University alumni who register for postgraduate programmes of study at Heriot-Watt University Malaysia. This is awarded on receipt of documentary evidence of an undergraduate or postgraduate award from Heriot-Watt University.

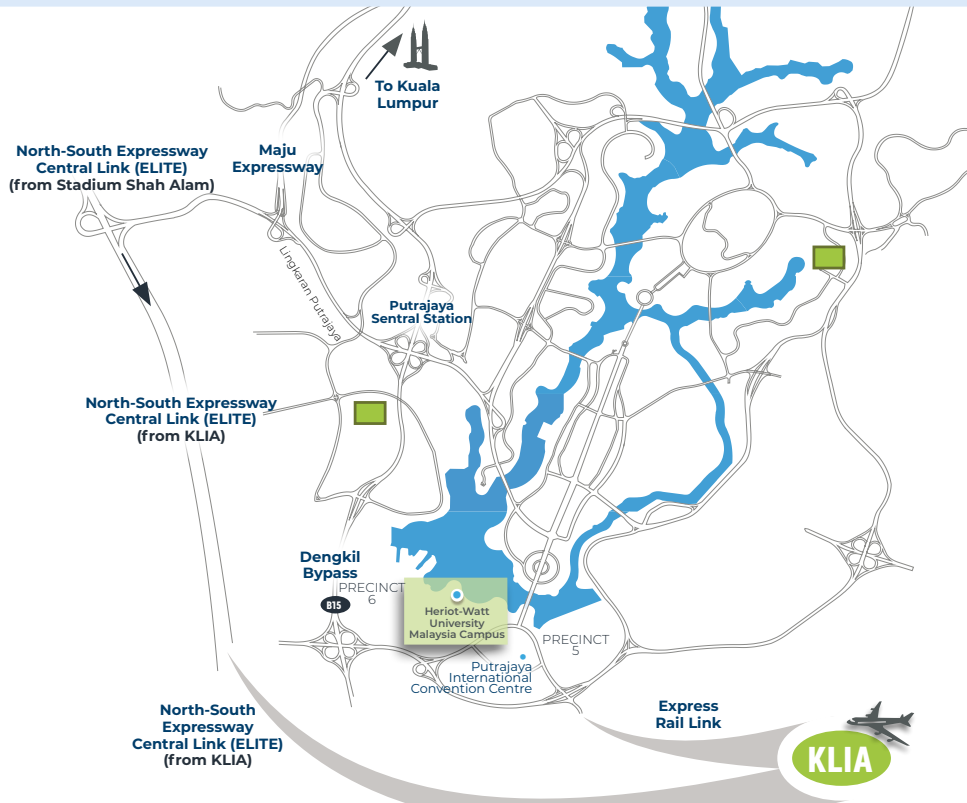
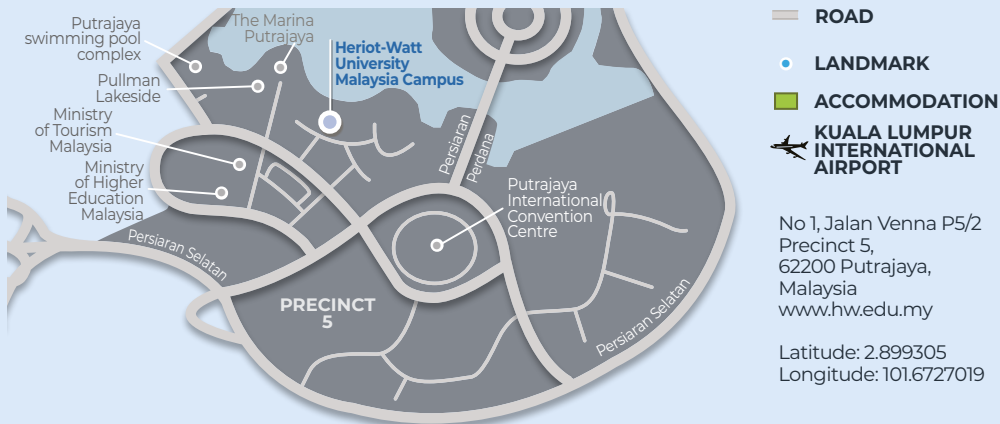
APPLICATION ADVICE

We also support and advise students in the application of loans and grants. The Scholarship and Financial Aid Unit assists in providing certification for documents required for the application for EPF withdrawals, bank loans and more at the University. myScholarship@hw.ac.uk

We provide support and assistance for applications to withdraw from your EPF account to fund your postgraduate studies.



ROUTE MAP TO HERIOT-WATT UNIVERSITY MALAYSIA



Edinburgh Campus

Edinburgh EH14 4AS
T: +44 (0) 131 449 5111
F: +44 (0) 131 449 5153

Dubai Campus

Dubai Knowledge Park
PO Box 38103
Dubai
United Arab Emirates
T: +971 4 571 7000

Malaysia Campus

No 1 Jalan Venna P5/2
Precinct 5
62200 Putrajaya
Malaysia
T: +60 3 8894 3888
F: +60 3 8894 3999

Scottish Borders Campus

Galashiels TD1 3HF
T: +44 (0) 1896 753351
F: +44 (0) 1896 758965

Orkney Campus

Franklin Road
Stromness
Orkney
KW16 3AN
T: +44 (0) 1856 850605

www.hw.ac.uk

**FSC
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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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