



The University of  
**Nottingham**

UNITED KINGDOM • CHINA • MALAYSIA

For general enquiries, please contact:

The Enquiry Centre

t: +6 (03) 8924 8000

f: +6 (03) 8924 8005

e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)

w: [www.nottingham.edu.my/prospectivestudents](http://www.nottingham.edu.my/prospectivestudents)



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**Nottingham**

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## The University of Nottingham Malaysia Campus

### Postgraduate Prospectus 2013/14

[www.nottingham.edu.my](http://www.nottingham.edu.my)

The University of Nottingham Malaysia Campus KPT/JPT/DFT/US/819







## Welcome to The University of Nottingham Malaysia Campus

“The University of Nottingham is often described as one of the world’s truly global universities and we are proud to have established the UK’s first fully fledged international campus here in Malaysia. At our campus on the outskirts of Kuala Lumpur we offer a range of degree programmes from one of the world’s leading research intensive universities. We have had ties with Malaysia for more than six decades and our extensive alumni community includes many prominent representatives of Malaysian society, members of the royal families, senior politicians, and leaders of business and industry. We would be delighted to welcome you to join an international community of teachers and researchers at our Malaysia Campus where you can enjoy a rewarding campus lifestyle while experiencing a British education in a truly Malaysian setting.”

**Professor Christine Ennew**

Provost and Pro Vice Chancellor, The University of Nottingham Malaysia Campus

The University of Nottingham Malaysia Campus (UNMC) is a world-class international institution providing the unique opportunity to gain a top-quality UK degree whilst studying in Malaysia. In 2000 The University of Nottingham became the first British university to set up a branch campus in Malaysia, earning the Queen’s Award for Enterprise 2001 and the Queen’s Award for Industry (International Trade) 2006. Since opening in Malaysia we have also established a thriving campus in Ningbo, China, making us a truly international institution.

After opening our Malaysia Campus in central Kuala Lumpur in 2000, we moved to a beautiful, purpose-built campus in 2005. Situated near Semenyih – about 45 minutes’ drive from Kuala Lumpur City Centre and 30 minutes’ drive from Kuala Lumpur International Airport – our thriving campus is home to over 4,500 students from over 70 countries. Our international student community enriches and enlivens the student experience at UNMC, providing a vibrant and diverse multicultural environment in which to live and study.

The Malaysia Campus is a full and integral part of The University of Nottingham, UK. The campus itself shares design themes that mirror characteristics of our University Park Campus in Nottingham, UK, and provides a complete student experience with first-class facilities for teaching and learning, research and leisure. All teaching, assessments and examinations are carried out in English.

The University of Nottingham is ranked within the top 1% of all universities worldwide and is recognised internationally for its world-leading research. As a research-led university, students studying at UNMC will be connected to leading academics, the latest research and renowned global companies.

Our worldwide network, UK-quality degrees and field-leading academics all combine to offer a life-changing educational experience that will serve to enhance your career prospects and realise your true potential. This prospectus offers an overview of the opportunities available to you as a student at UNMC. If you would like any further information, please do not hesitate to contact us.

We look forward to welcoming you soon.

Take the next step at [www.nottingham.edu.my](http://www.nottingham.edu.my)

One of the first things you see on entering the Malaysia Campus is the beautifully landscaped lake.



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## Key facts

- The University of Nottingham is ranked within the top 1% of all universities worldwide
- The University of Nottingham Malaysia Campus (UNMC) ranks among the country's elite with a Tier 5 'Excellent' rating in the Malaysian national assessment of teaching and learning - SETARA
- The quality of teaching at Nottingham was given the highest possible rating in the UK's independent audit of teaching quality by the Quality Assurance Agency for Higher Education (QAA)
- The University of Nottingham Malaysia Campus enables you to gain a UK degree while studying in Malaysia
- The campus has over 4,500 students coming from over 70 countries around the world
- Student life at UNMC is packed full of extra curricular opportunities and chances to meet people from all over the world, learn new skills and enhance your employability potential
- Many of our courses could provide you with an opportunity to study for part of your degree in another country, in the UK or one of our partner institutions across the globe
- The University of Nottingham is a truly international institution and all of our students develop a global perspective that is attractive to employers



# World-class education

## Global top 75

At The University of Nottingham we are proud to be considered one of the best universities in the world and provide an internationally-leading education. We are consistently rated as amongst the top universities in the UK and Malaysia, and are ranked in the top 1% of all universities across the globe.

In the latest global tables we are firmly established amongst the world's elite higher education institutions.

## QS World University Rankings

- Top 1% of universities worldwide
- 72nd in the world
- World top-25 choice for employers (by employer reputation)

## UK top ten

### Academic Ranking of World Universities 2012

- 9th in the UK

We sit firmly amongst the top ten universities in the UK and are ranked alongside the best institutions in the UK league tables.

## National excellence

The 2011 SETARA rating system for Malaysian higher education institutions saw us again rank amongst the best universities in Malaysia with a Tier 5 'Excellent' rating. There are currently no universities in Malaysia rated as Tier 6.

Postgraduate engineering student working on a furnace used for carbonisation.



# Teaching excellence

At Nottingham, we have an outstanding reputation for teaching quality. Our commitment to maintaining excellence in the provision of learning and teaching ensures that the University is consistently among the highest ranking performers in independent teaching assessments.

## The Nottingham teaching model

The University of Nottingham model shapes the approach to teaching at UNMC. Our degrees are University of Nottingham degrees, and are subject to the same quality assurance processes.

Students graduate with a degree from The University of Nottingham, whether they complete their programmes at our campuses in the UK, China or Malaysia and irrespective of which campuses they visited during their programme.

## Our courses and accreditations

We offer a comprehensive and varied choice of courses, catering to students at all levels, through foundation, undergraduate and postgraduate to PhD. Our degrees are accredited by international professional bodies such as the Association of MBAs, the UK Engineering Council and General Pharmaceutical Council (UK), proving that our programmes are internationally tested for quality.

## Studying in English in Malaysia

All our degree programmes are taught using English language, and you will receive a British-style education. All coursework materials are in English, all examinations and assignments are submitted in English.

All of our courses are taught using a variety of teaching and assessment methods. This can include lectures, workshops, seminars and smaller study groups. The relatively small size of our student body allows for a more intimate teaching and learning experience, with academics readily approachable to provide further one-to-one support where needed. In addition, our personal tutorial system gives you access to an academic member of staff to assist you in any non-academic issues that you might face during your time at University. Our student-centred style of learning equips you with the skills and analytical abilities necessary to thrive in business and industry. As an international university we pride ourselves on generating graduates with global attributes for the global workplace.

## Academic excellence

Our academic staff members are selected on the basis of their excellence in teaching and research. While some come straight from The University of Nottingham, UK, others are appointed in open international competition to work at The University of Nottingham Malaysia Campus, and we apply the same high standards that we require of staff appointed to work at our UK campus.

## Taught courses

Taught courses for undergraduate and postgraduate students provide a structured framework for study. They are based upon a programme of lectures, seminars and tutorials and normally include compulsory core modules and the opportunity to select a number of optional modules.

We offer dozens of taught courses, spanning a range of disciplines and subjects across engineering, science and the arts and social sciences. These courses aim to equip you with a curiosity-driven and deep understanding of your subject, as well as a critical approach and skills relevant to your future career.

Our teaching is informed by the very latest research findings. Our taught courses constantly evolve to incorporate new research developments and many are delivered by research scholars, passionate about their subjects. We also regularly consult with businesses and employers to ensure our programmes provide you with the opportunity to develop key transferable skills for employment.

[www.nottingham.edu.my/teachingandlearning](http://www.nottingham.edu.my/teachingandlearning)

“Students at UNMC benefit from a world-class UK education delivered locally. Our teaching is directly informed by our internationally renowned research, ensuring our courses are always relevant and up-to-date. This equips our graduates with the knowledge and skills needed to thrive in their future careers, making them an attractive prospect to any employer in an increasingly competitive global employment market.”

**Professor Stephen Doughty**

Vice-Provost for Teaching and Learning



Students enjoy their graduation - a proud and happy day for all at UNMC.



“Malaysia is operating within an emerging economy, backed by a government with a desire to translate high-quality research into real, long lasting benefits for the society and the economy. At UNMC we aim to play our full part in this economic transformation.

Working with our colleagues in the UK and China, we welcome the challenge of making a major and lasting impact on the social, political and cultural developments in Malaysia, as well as Asia.”

**Professor Graham Kendall**  
Vice-Provost for Research and Knowledge Transfer

**Nottingham is internationally renowned for its world-changing and award-winning research. In Malaysia, the University is utilising the unique environment to undertake internationally leading research that will not only have an impact nationally but will influence and inform many disciplines globally.**

For our students this means that teaching and learning opportunities are directly informed by cutting-edge research. Course activities are enriched by guest lectures from visiting scholars, research seminars, workshops and student conferences. Classes are led by tutors who are actively involved in extending the boundaries of our knowledge, and who seek to promote a community of learning in which undergraduate and graduate teaching feeds directly into a collective and collaborative intellectual endeavour. This is particularly important in the final years of undergraduate study, when students often undertake their own research projects and dissertations under the supervision of individual members of staff. Many use this experience as a springboard for further study and research at The University of Nottingham and other world-leading research universities. Still more find this leads directly into career and employment opportunities.

At The University of Nottingham Malaysia Campus the scope of research projects taking place is impressive and spans all our faculties and disciplines. We have an interest in undertaking research that is relevant to our host country, Malaysia, and our research priority areas cover aerospace, autism, business innovation and productivity, communications and cultures, cross-cultural occupational health, drug discovery and delivery, food and bioproduct processing, green technologies, intelligent computation, nanotechnology and advanced materials, post-harvest biotechnology, renewable energy and sustainable crops.

Our particular strength in sustainable crops is highlighted by the establishment of the Crops for the Future Research Centre, a joint venture hosted by The University of Nottingham Malaysia Campus and Bioversity International.

[www.nottingham.ac.uk/globalfoodsecurity/cropsforthefuture](http://www.nottingham.ac.uk/globalfoodsecurity/cropsforthefuture)

Our position amongst other UK institutions is unique. We are able to call upon a very strong research base in UK and China but we also have the opportunity to carry out leading-edge research which is simply not possible in the UK. The University is dedicated to attracting and retaining the highest calibre of staff, and maintain the high quality of its facilities and resources – all the attributes which have placed Nottingham as one of the world's top ranking universities.

#### Engaging with business

To foster and encourage business and industry access to University of Nottingham knowledge and research expertise we have formed two companies, MyRIAD (Malaysia Research Innovation and Development Solutions) and MyResearch. These companies focus on training, commercialisation and consultancy with an objective of exploiting the world leading research that is carried out at UNMC, as well as providing training to a wide range of stakeholders. Through our extensive national and international networks and with our range of advanced specialist knowledge in a large number of fields, MyRIAD and MyResearch have the ability to capitalise on a unique combination of business acumen and technical expertise that is unavailable to any other university in Malaysia.

[www.nottingham.edu.my/research](http://www.nottingham.edu.my/research)

#### Our research students

As a PhD student or postdoctoral fellow, you will play a key role in the University's research community. You will share in the exciting opportunities to tackle global issues in collaboration with some of the world's foremost academics and leading industrial partners and have access to the latest in advanced research facilities. You can also take advantage of the services offered by our Graduate School. Find out more on page 16.

[www.nottingham.edu.my/research](http://www.nottingham.edu.my/research)

# World-changing research

Laboratory technician working on concrete beam testing equipment.



**Combining beautiful gardens, striking architecture and state-of-the-art learning and research facilities, our University is an inspirational place to live, work and study.**

“Nottingham is the nearest Britain has to a truly global university, with campuses in China and Malaysia modelled on a headquarters that is among the most attractive in Britain.”

*The Times Good University Guide 2013*

# On campus

## **A strong sense of community**

Each University of Nottingham campus has a distinct style and personality. Common to all is a strong sense of community, created by approachable staff, a welcoming student body, excellent support services and a wide range of activities to help you meet new people and feel at home.

## **A truly Malaysian setting**

The University of Nottingham Malaysia Campus is based on a self-contained site near Semenyih in the state of Selangor, 30 kilometers from Malaysia's capital city, Kuala Lumpur. Rolling hills and lake views provide a stunning backdrop to our green and tranquil campus. The beautiful setting and state-of-the-art teaching, learning, research and leisure facilities combine to make an inspirational environment for studying and student life.

Transport is available from the campus to the nearest bus and rail stations providing easy access to Kuala Lumpur and the surrounding region. Kuala Lumpur International Airport is just a 30 minute drive away, making it an ideal base from which to explore locally and further afield.

## **Amenities for your convenience**

Our self-sufficient campus provides students and staff with a range of amenities. Facilities include 24-hour computer access, convenience stores, a book shop, ATMs, an extensive library, a sports complex, an Islamic Centre and a health centre.

## **Eat, drink and socialise**

The campus has an indoor and outdoor food court with a wide choice of food for all tastes, including Malay, Chinese, Indian and Western. A recent addition to our campus is the Central Cafe, offering a range of sandwiches, snacks and hot and cold beverages. It is the perfect place to relax and catch up with friends.

The campus offers many areas for outdoor study and relaxation.



**You will find our campus vibrant and welcoming with lots of events and activities to interest you. The Student Association provides many opportunities to enhance your university life, and our facilities enable you to socialise, participate in many activities and take a break from academic life.**

#### Sports facilities

We have a range of sports facilities on campus that are open to all students, from serious athletes to casual competitors. Our outdoor facilities include a swimming pool, courts for tennis, netball, basketball and futsal, jogging tracks and a multi-purpose pitch for sports such as football, frisbee, hockey and rugby.

Indoor facilities include a fully-equipped gym, squash courts, table tennis, and multi-purpose halls for many sports including badminton, basketball, futsal and volleyball.

If you want to get involved in competitive sport, there are lots of opportunities. There are numerous sports clubs to get involved with, including basketball, chess, dance, dodgeball, football, frisbee, futsal, netball and scrabble. Students can also get involved with The University of Nottingham's annual Tri-Campus Games where students from our campuses in China, Malaysia and the UK compete for the title.

[www.nottingham.edu.my/sport](http://www.nottingham.edu.my/sport)

#### Student clubs and societies

In addition to our sports clubs there are over 40 clubs and societies to get involved with, providing students at The University of Nottingham Malaysia Campus plenty of opportunity to participate in year-round events.

You can choose to get involved in a range of activities through the Student Association, including art, charity, cultural societies, motor, music, nature, photography, robotics and science. Our clubs and societies contribute to the lively atmosphere of the campus, with student events and performances providing additional entertainment on campus.

#### Health and wellbeing

In addition to the many opportunities available to students to enhance their life on campus we also hold the health and wellbeing of our students in high regard. The campus houses the University Health Centre where students and staff can seek medical advice and consultation. Highly trained staff at the centre can also dispense medicines and arrange for laboratory tests and referrals where necessary.

We also provide support for students through the University Wellbeing and Learning Support, a free and confidential service which provides emotional support for any students who may be experiencing difficulties or worries. Our professionally qualified counsellors and psychologists can help you cope with a range of issues, counselling you through personal problems, mental health concerns, relationship circumstances and academic or work-related situations.

#### Student Association

Our Student Association (SA) plays an important role in building a student's character and leadership qualities. Each year we hold an election to select Student Association committee members and office bearers. Becoming involved with the SA is a great opportunity to get more involved in student life at UNMC. It will give you the opportunity to directly contribute to the student voice and is a great way to enhance your CV.

The SA facilitates the many societies and associations which cater for the diverse background of students at UNMC. The activities undertaken by these societies and associations are fully supported by the University.  
<http://sa.nottingham.edu.my>

# Student life

The open-air pool is a popular facility on campus.



# Student support



The campus architecture echoes Nottingham's heritage as well as looking to the future.

**At The University of Nottingham Malaysia Campus we understand it can take time to adjust to living and studying in a new environment. We provide a number of dedicated services designed to help you with the transition to university life and beyond.**

## English language support

We believe that all students have the potential to complete their studies speaking excellent English. Having a good grasp of the English language will not only compliment and enhance your learning experience, it will also provide you with the skills needed to prosper in an increasingly globalised workplace.

We provide English language support for all students who need it through our in-session classes, which are free of charge. These may be aimed at generally improving your English, or they may be subject specific, helping you improve your proficiency in your area of study. If you take our three semester foundation programme you must take at least one module of academic English. This will teach you how to express yourself in the style and format expected by a world-class international university.

Our tutors specialise in the area of English for Academic Purposes and help you to hone your skills in the areas of reading, writing and speaking. We use up to date teaching methodology in order to equip you with the skills that you will need to prosper in an English Language academic environment. [www.nottingham.edu.my/cele](http://www.nottingham.edu.my/cele)

## Careers Service

The Careers Advisory Service (CAS) can play an important role in your development. Our services will provide you with essential resources and guidance in finding employment after your graduation and also help you to develop the skills needed to plan and manage your future. We provide practical advice on aspects such as writing a resume, interview skills and job hunting and through us you can also attend a number of careers events and fairs, providing the invaluable opportunity to meet potential employers from a large number of companies. [www.nottingham.edu.my/careers](http://www.nottingham.edu.my/careers)

## Academic and personal tutoring system

To help you in your academic studies we provide each student with a personal tutor, who is usually a member of the academic staff involved in the teaching of your course. At the start of each semester you will meet with your personal tutor and may turn to them for advice and help on all academic related matters.

## Student Association

As a student at the University, you are automatically a member of the Student Association (SA). The SA is run by an Executive Committee of 10 elected full-time student volunteers holding various portfolios to serve the student community. Being new students once themselves, they understand that being away from home can be quite daunting, no matter where you come from. That is why the SA Executives take care of the needs of the student community to ensure a good student experience from the time you arrive until you graduate.

The SA encourages you to get to know your peers and get involved with the wide range of events and activities organised by the SA Executives and its clubs and societies, beginning with the Fresher's Week for new students. (See student life page 14).

The SA has Networks, managed and run by students, to make sure your opinions and interests are represented to the University. By bringing matters concerning the improvement of student life to the university management, these Networks ensure that your voices are heard. <http://sa.nottingham.edu.my>

## Disability support

At The University of Nottingham Malaysia Campus we are strongly committed to the equality of opportunity in our provisions for all of our students. Our campus has been designed so that is accessible to all students and we offer support and assistance to ensure that you have access to all the facilities, services and alternative learning formats that you will need to complete your course as independently as possible.

If you are a student with a physical disability, dyslexia or a long term medical condition our disability service, offered through the University Counselling Service, offers support, advice and assistance on a range of matters. These include queries regarding admissions and registration, residential accommodation, assessments and adjustments to the learning, teaching and assessment environment, and access to alternative formats. [www.nottingham.edu.my/wellbeing](http://www.nottingham.edu.my/wellbeing)

## International Office

The International Office is responsible for directing UNMC's relations with foreign institutions and international students. As a prospective or current international student at UNMC, you can obtain support and advice from our dedicated International Office staff. This includes student welfare and non-academic matters such as medical insurance, banking and the management of student exchange and inter-campus transfer programmes. The International Office is also responsible for conducting the international student induction programme to help you adapt to a new environment and university life. [www.nottingham.edu.my/international](http://www.nottingham.edu.my/international)

## The Graduate School

The Graduate School promotes research and training on a campus-wide scale while creating links with the University's UK and China campuses and building and strengthening ties with the business and training community in Malaysia. Staff in the Graduate School offer support and guidance to all postgraduate students and are committed to working with you to ensure you receive all the relevant support and skills training you need to fulfil your potential. [www.nottingham.edu.my/gradschool](http://www.nottingham.edu.my/gradschool)

## Alumni

Graduates of The University of Nottingham remain part of our global community which currently numbers 200,000 worldwide. The Malaysian association, with some 5,000 members, plays a particularly important role for students at the Malaysia Campus. The University's Alumni office ensures that this invaluable resource remains relevant to you throughout your career and later life, wherever you may live, and acts as the focal point for your ongoing relations with the University. [www.nottingham.edu.my/alumni](http://www.nottingham.edu.my/alumni)



# Overseas opportunities

Students enjoy some tasty treats at the street market across the road from the China Campus.

Nottingham has an extensive network of exciting exchange links. We offer life-enhancing opportunities to study abroad at our campuses in the UK and China as well the chance to study for a period of time at partner universities across the globe.

Likewise, if you are registered for your degree programme at UNMC, you can access opportunities to study for a period outside of Malaysia.

Some of our courses include compulsory periods at our UK campus.

#### Inter-campus exchange programmes

We offer a number of exchange opportunities for students to spend either one or two semesters of their studies at our UK or China campuses or at one of our partner universities across the globe.

Students on an exchange programme continue to pay their tuition fees to UNMC and pay no tuition fees to the partner institution. Students are responsible for the air tickets, accommodation and living expenses at the host institution.

#### Inter-campus transfer programme

Students registered at The Malaysia Campus are also eligible to transfer to The University of Nottingham, UK or China after at least one year at The Malaysia Campus, provided there is space at the appropriate school.

Transfer under this scheme is not available to students on the Student Exchange Scheme and is restricted by a fixed quota system set in the UK.

The normal fee chargeable for international students at UK or Ningbo is applicable to the time spent at the campus, China according to the country's currency exchange.

#### Study abroad programmes

In addition to exchange programmes where no additional tuition fee is required, the University may also offer opportunities to study at the UK campus or at one of the approved study abroad partners elsewhere in the world for an additional fee. For details, please check with the International Office.

For further information about individual courses please visit [www.nottingham.edu.my/courses](http://www.nottingham.edu.my/courses)

#### Summer Institute at Nottingham, UK

We organise a Summer Institute at our UK Campus for a number of undergraduate students at the end of their third year.

Postgraduates can also go to our UK campus for two to three weeks of study in the summer. This is of particular value to them in their dissertation preparation.

These are optional periods of study abroad, with costs covered by students.

#### International Summer Schools

Two-week courses, based at our campuses in China and Malaysia, will provide you with the opportunity to study a new area while meeting people from all over the world and learning about a different culture. You will study with world-class academics, take part in exciting cultural and social activities and make friends who will stay with you for life.

The Summer Schools are open to anyone in the world who fulfils the academic entry requirements.

For further information on studying abroad in Malaysia, China or the UK:  
e: [international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my)  
[www.nottingham.edu.my/international/studyabroad](http://www.nottingham.edu.my/international/studyabroad)



### University Park Campus, UK

Set around a lake with beautifully kept gardens and pastures, the 330-acre University Park Campus is the University's principal campus. Often regarded as one of the most attractive campuses in the UK, University Park features a mixture of period buildings and modern teaching and research facilities, with 12 halls of residence, a conference and exhibition centre, sports facilities and the Lakeside Arts Centre. All this is just a short bus ride from the city centre on the dedicated Unilink bus service.

### Jubilee Campus, UK

Just over two miles from Nottingham city centre, Jubilee Campus, opened in 1999, is an exemplar in sustainable brownfield regeneration and has won numerous awards for its environmentally friendly design. The modern, purpose built buildings include teaching and research facilities, residences, retail, social and support amenities, libraries and a sports hall.

Aspire, the country's tallest free-standing work of public art, soars to 60 metres above the Campus. The adjoining Innovation Park was launched in 2008 and continues to evolve – the latest addition being the Nottingham Geospatial Building, which houses a world-class centre of excellence in global navigation satellite systems.

### Sutton Bonington Campus, UK

Located in the beautiful countryside of south Nottinghamshire, the Sutton Bonington Campus is set within a 1000-acre farmland site with its own teaching and learning facilities, sports centre, student guild, social amenities and halls of residence. Ten miles south of University Park, the campus benefits from state-of-the-art teaching and research facilities including purpose-built plant and food science buildings, specialised laboratories, a 24-hour learning resource centre, extensive library, University farm and a dairy centre with 180 robotically milked cows. The campus also houses the School of Veterinary Medicine and Science which opened in 2006 – the first in Britain for over 50 years.

### Medical School, UK

The Medical School is adjacent to University Park and, together with the University Hospital, forms the Queen's Medical Centre. The nearby Nottingham City Hospital houses the University's Clinical Sciences and Institute of Population Health buildings. Entrants to the Graduate Entry Medicine course are based at the University's Medical School in Derby, a purpose-built facility based at the Royal Derby Hospital.

### China Campus

In 2004, Nottingham was the first foreign university to establish a campus in China. On the south shore of the Hangzhou Bay in the prosperous Zhejiang Province, Ningbo is a busy port with a modern airport and direct connections to Beijing, Shanghai (30 minutes by air and two-and-a-half hours by road), Hong Kong and Guangzhou. In Ningbo itself, an extensive bus service makes it easy to get around.

The University of Nottingham Ningbo China (UNNC) offers the same high standard of teaching as the UK campuses. Modern and spacious, the campus has high-quality teaching facilities, including a library and IT facilities. There are also restaurants, shops, a Students' Union, the Student Society Centre, the Art Troupe and other amenities. An on-campus sports complex includes basketball, badminton, tennis and volleyball courts, a football pitch and running track and much more.

Read more about our campuses at:  
[www.nottingham.edu.my/campuses](http://www.nottingham.edu.my/campuses)

During your time at UNMC, you might have the chance to study at one of our campuses in the UK or China. All our campuses offer a warm and friendly environment, interesting landscapes and first rate facilities.

# International campuses

The University Park campus in the UK is a truly stunning place to live and study.





Students enjoying studying in the tropical climate at UNMC.

# Preparatory English

The Centre for English Language Education (CELE) is part of the School of Education in the Faculty of Arts and Social Sciences. It provides essential English language support for students who need it through preparatory and in-session classes. Our tutors specialise in the area of English for Academic Purposes and will help you to hone your reading, writing and speaking skills.

## Preparatory English courses

As a UK educational institution, all our programmes and assessments are conducted in English. Our preparatory English courses are specifically designed for students who need to raise their standard of English before moving on to their degree programmes. These courses will enable you to improve your ability to take part in formal discussions and make presentations. They will improve the accuracy and range of your written English and give you the ability to write using academic conventions, such as writing bibliographies.

## Assessment

At various time during the course you will be assessed on listening, speaking, reading and writing. You will need to pass these in order to progress onto the next stage of the course. At the end of the course you will write an academic project, make a presentation and undertake reading and listening exams.

## Course structure

During your course you will be required to write short essays and longer academic assignments, read academic articles and books, show an understanding of lectures and note taking, participate in seminars and oral presentations, expand your range of grammatical structures and vocabulary. You will also develop an understanding of the study skills required for study at university level.

## Preparatory English courses

### Fact file

Entry requirements	English language requirements
A conditional offer from the University for a foundation, undergraduate, or postgraduate programme where the student has not met the English language requirements	Please contact the Centre for English Language Education for specific requirements or visit our website: <a href="http://www.nottingham.edu.my/academic-english">www.nottingham.edu.my/academic-english</a>

Other equivalent qualifications will be considered on a case-by-case basis

**Fees:**  
RM 5,515 per 10 weeks

**Mode of study:**  
10 weeks – students who need to improve their IELTS score by 0.5

20 weeks – for students who need to improve their IELTS score by 1.0

30 weeks – for students who need to improve their IELTS score by 1.5

**Intakes:**  
February – 30 weeks  
April – 20 weeks  
July – 10 weeks

## In-session support

At CELE we also run free in-session classes throughout your degree course. These classes may be aimed at general improvement of English, or they may be subject specific, helping you improve your proficiency in your area of study.

If you take our three semester foundation programme you must take at least one module of academic English. This will teach you how express yourself in the style and format expected by a world-class international university.

## Find out more

**Centre for English Language Education**  
t: +6 (03) 8294 8000  
e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)  
w: [www.nottingham.edu.my/cele](http://www.nottingham.edu.my/cele)



# Faculty of Arts and Social Sciences

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The Faculty of Arts and Social Sciences is the site of some of the most exciting developments on campus. With a host of new schools arriving in the last couple of years, and more set to come in the near future, the faculty is attracting internationally-qualified academics and rapidly establishing itself as the region's leading research and teaching centre in the arts and social sciences. With students from across the globe, and access to Nottingham's global network of research facilities and resources, the faculty offers graduate students a unique environment to study and explore the kind of contentious issues that shape daily lives in the 21st century.



Students working through their latest class discussion in small groups at the centre of campus.



“I always wanted to work in the business side of engineering, with UNMC’s professional staff, support systems and resources I have achieved degrees in mechanical engineering and am completing my MBA.”

Arsalan Khan / MBA



Arsalan walking across campus after an MBA tutorial.

# Nottingham University Business School

Nottingham University Business School (NUBS) at the Malaysia Campus is an integral part of Nottingham University Business School established in the UK. The school aims to enhance business and management knowledge and practice in a responsible and sustainable way using our global presence. NUBS was established on the Malaysia Campus in 2000, and our presence here provides students with unique insights into Asian business growth and development.

We are a large and culturally diverse school, with over 30 full-time academic staff, from countries such as Malaysia, Indonesia, South Korea, Australia, India and the United Kingdom and over 1,000 foundation, undergraduate, and postgraduate students.

The school is accredited by the European Quality Improvement System (EQUIS) and the Association of MBAs (AMBA). These endorsements signify that the School has met the stringent standards for business education.

The school's rankings include the following.

- The 2011 Academic Ranking of World Universities (ARWU) ranks The University of Nottingham in the world top 100 for economics/business
- In 2010, the Times Higher Education named us among the UK's top ten for the impact of our publications in economics and business
- The UK's 2008 Research Assessment Exercise rated 70% of our research as either internationally excellent or world-leading, ranking us 6th
- The Economist's 2012 MBA Top 100 ranks us 86th in the world
- The QS 2010/11 Global 200 Top Business Schools Report rates us in the top 100 business schools in Europe and in the top 100 for MBA Finance - this report is based on the views of MBS recruiters and employers
- We rank 1st in the UK and 45th globally in the Aspen Institute's 2011-12 Beyond Grey Pinstripes Top 100 business schools and MBA programmes that integrate ethical, social and environmental issues into teaching and faculty research

## Research

The school recognises that the continued intellectual development of our staff is the foundation of excellence in teaching and for the creation of leaders who are able to compete with knowledge, creativity and integrity in a globally-competitive environment.

Research and teaching at the Malaysia Campus is organised within the following academic divisions.

- Accounting, Finance and Law
- Business Economics and Quantitative Methods
- Management and Organisational Behaviour
- Strategy and Marketing

## Research clusters

Our research clusters at the Malaysia Campus were established to facilitate the exchange of ideas and to explore emerging research issues and areas, as well as to work effectively with industry counterparts and other research organisations. Besides enhancing research networking and collaboration, the clusters better integrate and highlight niche areas and strengths of expertise within the school.

There are presently five research clusters within NUBS at the Malaysia Campus:

- consumer marketing and behavioural science
- studies in innovation and productivity
- accountability and governance
- tourism
- innovation policy and management

## Research centres

Many members of our academic staff are also members of research centres affiliated with the Business School, including the Leverhulme Centre for Research on Globalisation and Economic Policy (GEP), and the International Centre for Behavioural Business Research (ICBBR).

## International Centre for Behavioural Business Research (ICBBR)

The ICBBR, established in 2008, brings together researchers from a range of disciplines who share an interest in studying decision making in economic and business contexts, in particular using theories and methods from management, economics and psychology.





# PhD programme in business and management

KPT/JPS(F3-103)1/16

The school welcomes applications from suitably qualified students to undertake research leading to a PhD, available on either a full-time or part-time basis.

When you are admitted to the University to study for a doctorate, you would normally be registered at PhD level. At the end of Year 1, subject to the satisfactory completion of the annual review, your PhD status will be confirmed. If your progress is unsatisfactory, you may be downgraded to MPhil status. Completion of all doctoral research training modules is a necessary prerequisite for confirming your PhD status.

## PhD structure

An overview of the structure of a typical full-time doctoral timetable is as follows.

### Year 1

- Attend appropriate taught modules both within NUBS Malaysia and the Graduate School
- Define the nature of the research problem, identify appropriate analytic frameworks, and expect to have completed a first draft of Literature Review chapters
- Year 1 annual review (June)

### Year 2

- Expect to complete empirical work. If data collection is likely to be a lengthy process, eg due to issues related to gaining access to companies or because the study is longitudinal in nature, then the empirical work may start quite early in the student's second year, or even at the end of the first year
- Year 2 annual review (June)

### Year 3

- Commence formal writing-up
- Expect to complete empirical work and produce draft write-up of results
- Submit completed thesis
- Year 3 annual review (June)

## Writing up

Although a fourth year writing-up period is available, the expectation is that you will submit your thesis within three years. It is important that your research is written up on a continual basis during the three years of registration. Continual writing-up means that you should expect to prepare chapters to be read and commented on by your supervisors on a regular basis. This should help to ensure that when the formal writing-up period begins, you have a first draft of a thesis ready for modification.

## Annual review

For your Year 1 annual review, you will submit a draft literature chapter (8,000 words) and make a short presentation about your research to a review panel of assessors, which will include a clear summary of what you have achieved over the previous year, and a timeline for the completion of your PhD.

You will also undergo a similar annual review at the end of Year 2 and Year 3. As part of the Year 2 annual review, you will submit a revised literature chapter and a sample chapter, which is likely to be a methods or empirical chapter. You will also be required to present your work to a review panel of assessors.

Within your Year 3 annual review, you will submit a commentary that details how you have addressed the feedback received from the Year 2 annual review, and one or more empirical research chapters. You will also be required to present your work to a review panel of assessors.

## PhD modules

To aid you in the transition to independent research and to help you acquire the necessary skills, you will complete a number of assessed taught modules during your first year of study. All full-time students normally complete these modules during their first year of study, while part-time students complete them within two years. An exception to this is the module The Context of Management Research, which is scheduled for the second year of PhD study. The school's research training programme is outlined below.

### Year 1

#### Semester 1

##### All streams

- Research Design and Philosophy
- Introduction to Research Design and Data Analysis
- Developing Management Research

#### Semester 2

##### General management stream

- Advanced Quantitative Research Methods OR Advanced Qualitative Research Methods

##### Finance stream

- Econometrics
- Advanced Theory of Finance
- Advanced Corporate Finance

##### Economics stream

- Econometrics
- Advanced Micro-economics OR Advanced Macro-economics

### Year 2

#### All streams

- The Context of Management Research

## Supervision

You will be assigned two academic supervisors who will provide guidance on the formal specification of your topic, the structure and organisation of your thesis and the general direction of the research. Regular supervision will help to ensure that your research progresses in the appropriate way. As a full-time doctoral student, you will meet with your supervisors on at least 10 occasions during the year. If you are a part-time student, at least six meetings take place during the year.

Please refer to the research interests of our academic staff to determine if your research interests coincide with those of a potential supervisor. You can also refer to our website to determine if your research interests correspond with the wider research agenda within the school.

## How to apply for a PhD

If you are interested in applying to do a PhD in the Nottingham University Business School Malaysia, we would recommend that you contact us and discuss your research project proposal with the relevant supervisor in the first instance. You can then visit our applications pages to find out how to apply:  
[www.nottingham.edu.my/applications](http://www.nottingham.edu.my/applications)

## Fact file

Entry requirements	English language requirements
A masters degree in relevant subject (normally with an average over 65% in the taught modules and normally 65% in the dissertation, or its equivalent).	IELTS: 7.0 (no elements below 6.0)
An upper second class honours degree (or equivalent) in a relevant subject can also be considered.	TOEFL (iBT): 100 (minimum 19 with 20 in speaking)
Professional, business or industrial qualifications are also valued for some research areas. Other equivalent qualifications will be considered on a case-by-case basis.	PTE (Academic):67 (minimum 67)
<b>Applicants must have graduated from an approved university</b>	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

## Fees:

Malaysian – RM33,000 per year  
Non-Malaysian – RM35,175 per year

*All fees quoted are for one-year of full-time study. Part-time students pay half the full-time fee for each year.*

## Mode of study:

Full-time, 3-4 years  
Part-time, 6-8 years

## Intake:

September

## Find out more

**Nottingham University Business School**

t: +6 (03) 8924 8000

e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or

[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)

w: [www.nottingham.edu.my/business/phd](http://www.nottingham.edu.my/business/phd)



# MBA

## KPT/JPS(F3-K079)6/14

Nottingham University Business School (NUBS) is a leading centre for management education and its mission is to be a top-ranked international business school, excellent in both teaching and research. We offer a top quality, AMBA-accredited MBA programme which is highly valued by corporations worldwide and widely recognised as an ideal preparation for senior positions in both the public and private sectors. Our graduates are highly sought after in the job market, with many alumni holding senior management positions both in Malaysia and internationally.

At the Malaysia Campus, NUBS is providing Asia with its first experience of a world-class business school on a purpose built campus and with highly-qualified faculty drawn from Nottingham, Malaysia and internationally. The School will provide you with a stimulating, challenging and continuously improving learning environment. Well-known researchers within NUBS at the University's campuses in China, Malaysia and the UK, and faculty members with international consulting experience combine the application of academic theory with good business practice.

The MBA programme offered at the Malaysia Campus provides the means for accelerating your progression and promotion, as well as for a strategic direction change in your career path. The MBA will add value to your first degree by developing an integrated and critically aware understanding of management and organisations in an international context, and assisting you to take a more effective role within your organisation. The overall objective of the NUBS MBA is to educate individuals as managers and business specialists, and thus to improve the quality of management as a profession.

### MBA programme

The MBA programme provides a course in general, financial and corporate management for individuals seeking career advancement or diversification. The MBA course follows a core programme whilst allowing the following specialisations.

- Master of Business Administration
- Master of Business Administration Finance
- Master of Business Administration Entrepreneurship

You will need to undertake the relevant specialist modules, and your specialisation will be shown on your degree award. The syllabus is similar to that of the UK campus, with very slight variations incorporating local elements.

Our MBA programme aims to develop knowledge and skills in fundamental management disciplines, while also including specialist modules in various areas of management. The core modules are aimed at developing knowledge of the fundamental management disciplines, along with the ability to apply this knowledge to business issues in an integrated fashion. The elective modules allow you to concentrate in-depth on more specific subjects according to your individual interests and career requirements. You may use the management project to concentrate in-depth on a management topic specific to your individual interests and career requirements.

In addition to lecture delivery, your classes for each module will also consist of case studies, group breakout discussions, and group presentations, depending on module subject matter.

Most modules will involve group work with participants from many different industrial, commercial, geographical and cultural backgrounds. You will develop the skills to implement agreed solutions effectively and efficiently, along with interpersonal skills to enable you to interact effectively across a wide range of business stakeholders. Many modules will also include guest sessions with industry practitioners – from multinational corporations, Malaysian companies, entrepreneurs, government-linked organisations, and MBA alumni. You will also have the opportunity of attending study skills sessions and additional workshops and seminars on research methods relevant to management projects.

### Course structure

You must complete a total of 12 taught modules and a management project totalling 180 credits. Each module is worth 10 credits and the Management Project is worth 60 credits. These programmes offer a flexible mode of study that allows part-time students to take modules at their own pace.

### Overseas study

Individuals wishing to study overseas can take up to two approved modules delivered by our UK campus, or our overseas partner institution in Singapore (subject to the availability of modules).

### Assessment

Depending on the module, you may be assessed by examination, group or individual coursework, group or individual presentations, or a combination of assessment methods.

The marking and grading criteria are the same as the UK campus. Assessment questions are different from the UK (set by module convenors at our Malaysia Campus) and are moderated by the UK campus and External Examiners.

### Modules

#### Compulsory modules

- Accounting and Finance
- Business Economics
- Entrepreneurship and Creativity
- Marketing
- Managing People
- Operations Management
- Strategic Management
- Sustainable Decisions and Organisations

#### Electives

##### Master of Business Administration

- Any four modules from the electives and the additional electives below.

##### Master of Business Administration Finance

- Corporate Finance
- Financial and Monetary Economics
- International Finance

Students must select one additional elective from the electives in this section or from the additional electives below.

#### Master of Business Administration Entrepreneurship

- Entrepreneurship in Practice
- Innovation Management

Students must select two additional electives from the electives in this section and/or from the additional electives below.

#### Additional electives\*

- Business and Commercial Law
- Games and Strategies for Business
- Managing the Human Resource
- Business Ethics

\*Additional electives are subject to change

### Management Project

Students must undertake either a management project, or a group management project. The management project is an individual project of 15,000–20,000 words on an approved subject relevant to the student's chosen specialisation (weight 100%). The group management project (available to full-time students only) comprises a group project of 15,000 words on an approved subject relevant to the student's chosen specialisation (weight 60%) and an individual project of 5,000 words (weight 40%) reviewing conceptual issues relevant to the group management project.

## Fact file

Entry requirements	English language requirements
A relevant second class honours degree or a relevant professional qualification deemed equivalent to a first degree with honours.	IELTS: 7.0 (no element below 6.0)
At least 3 or more years of full-time management or leadership work experience, normally gained since graduating from the first degree.	TOEFL (iBT): 100 (no element below 21) together with a Graduate Management Admission Test (GMAT) score of at least 630 and an Analytical Writing Assessment (AWA) score of at least 5.0.
Other equivalent qualifications will be considered on a case-by-case basis.	
<b>Applicants must have graduated from an approved university</b>	PTE (Academic): 68 (minimum 55)
	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

#### Fees:

Malaysian – RM58,000  
Non-Malaysian – RM58,000

*All fees quoted are per course. The payment installment scheme will differ for full-time and part-time students.*

#### Mode of study:

Full-time, 1 year  
Part-time, 2-4 years

#### Intakes:

September – full-time  
February and September – part-time

#### Find out more

##### Nottingham University Business School

t: +6 (03) 8924 8000

e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or

[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)

w: [www.nottingham.edu.my/business](http://www.nottingham.edu.my/business)



# MSc Finance and Investment

KPT/JPS(F3-K070)/(A4349)3/16

The MSc Finance and Investment degree provides a structured programme for those seeking positions in finance and investment. The programme is based around the three main classes of capital investment activity: equity markets, fixed interest markets, and derivative markets. It will allow you to focus upon advanced developments in finance and investment to meet your specific interests and career aspirations.

The course will increase your knowledge and skills in fundamental management disciplines, while also including specialist modules in specific areas of finance. It will increase your capability to undertake critical evaluation of core business and finance disciplines, developing your ability to examine and assess different aspects of the financial environment, and to provide insights into the operation of finance and financial services.

## Career prospects

Completing this course will provide you with opportunities in a variety of careers in accountancy, auditing, business development, financial advice, investment management, marketing, mergers and acquisitions, procurement, research, risk assurance, tax consultancy, and trading.

## Course structure

You must complete a total of eight taught modules and an individual dissertation on an approved subject relevant to your field of study. By studying the MSc Finance and Investment programme you can also use the dissertation component to concentrate in-depth on a finance and investment topic according to your individual interests and career requirements.

## Modules

### Semester 1

#### Core modules

- Corporate Finance
- Capital Market Analysis
- Research Methods for Finance and Investment
- Quantitative Techniques in Finance

### Semester 2

#### Core modules

- Derivative Investment
- Fixed Interest Investment

#### Plus two modules from:

- Financial Reporting
- International Finance
- International Marketing
- Consumer Behaviour
- Corporate Governance
- Corporate Strategy

Plus no more than one further additional module from the relevant list of NUBS optional modules (subject to meeting any pre requisites and timetabling constraints)

## Dissertation

*Not all optional modules will necessarily run each session.*

# MSc International Business

KPT/JPS(F3-K078)(N102)6/14

The MSc International Business degree is designed for non-business background students, acting as a 'conversion' masters programme for students without a basic degree in business, management or related areas. With the global economy increasingly influencing the business world, this MSc programme will provide non-business school graduates with a solid foundation in international business theory and practice.

The course is designed to provide a structured programme that allows you to focus upon advanced developments in international business management to meet your specific interests and career aspirations. It will enable you to engage in a study of organisations, their management, and the changing international external environment in which they operate. You will learn to examine and assess different aspects of the international business environment, gain cross-disciplinary insights into the operation of international business, and develop your capability to undertake critical evaluation of core business disciplines.

## Career prospects

The course will prepare you to develop a career in international business and management, and offers opportunities for careers in a variety of areas, such as accountancy, consultancy, business development, human resources, IT, logistics, marketing, private banking, project management, market research and sales and distribution.

## Course structure

You must complete a total of eight taught modules and an individual dissertation on an approved subject relevant to your field of study. You will be able to use the dissertation element to concentrate in-depth on an international business topic that meets your own individual interests and career requirements.

## Modules

### Semester 1

#### Core modules

- Business Economics
- International Business Environment
- International Accounting
- Managing Organisations

### Semester 2

#### Core modules

- International Business Strategy
- Essentials of International Marketing
- Research Methods

#### Optional modules

Students may choose one module from this list.

- E-Business
- Supply Chain Management in Practice
- International Human Resource Management

## Dissertation

*Not all optional modules will necessarily run each session.*



# MSc Investment and Islamic Finance

KPT/JPS(N/343/7/0069)1/18

The MSc Investment and Islamic Finance will equip you with an in depth knowledge of Islamic finance and investment whilst also incorporating advanced level study in management studies. The course provides and examines insights into different aspects of the Islamic financial environment. It will enable you to focus upon advanced developments, not only in Islamic finance but also conventional finance. You will develop a specialised understanding of the techniques particular to Islamic and conventional finance, and develop the tools necessary to investigate relevant financial management issues. You will also develop a critical awareness of ethical and corporate social responsibility issues in Islamic and conventional finance.

This is a one-year full-time time course for those seeking positions in Islamic finance, banking and investment. It aims to develop graduates who can critically evaluate, have knowledge and skills in fundamental Islamic management disciplines, while also including specialist modules in various areas of Islamic finance and investment. According to your interests and career requirements, you will also be able to use the dissertation to concentrate in-depth on an approved topic in the general area of investment and Islamic finance.

## Career prospects

This course will prepare you to manage and advise on various value-added financial products and services to customers in accordance with Syariah principles. The range of careers encompassing Islamic based financial management include accountancy, auditing, business development, financial advice, investment management, mergers and acquisitions, procurement, research, risk assurance, tax consultancy, and trading.

## Course structure

You will be required to complete eight taught modules and prepare a dissertation. The structure of the programme is modular, with individual modules each having weighting of 15 credits. One credit represents 10 hours of student work, meaning that a 15 credit module represents 150 hours of study including formal teaching, independent study, revision, and the preparation of assessments. The degree requires the successful completion of 180 credits, 120 of which are taught modules, and 60 credits an Investment and Islamic Finance related dissertation.

Classes are in the form of thirty contact hours in three hour blocks comprising lectures, labs, group exercises forming part of the 30 contact hours.

## Modules

### Autumn semester

#### Compulsory

- Corporate Finance
- Research Methods for Finance and Investment
- Quantitative Techniques for Finance
- Islamic Economics and Banking

### Spring Semester

#### Compulsory

- Islamic Capital Markets and Instruments

#### Optional

- Derivative Investment\*
- Fixed Interest Investment\*
- International Finance\*
- Islamic Commercial Law\*\*
- Islamic Wealth and Management\*\*
- Islamic Accounting and Reporting\*\*

\* Students must choose two of these modules.

\*\* Students must choose one of these modules (not all modules will be offered).

### Summer period

#### Dissertation

# MSc Management

KPT/JPS(F3-K075)4/14

The MSc Management programme allows you to focus upon advanced developments and cross-disciplinary insights into management. You will engage in the study of organisations, their management, and the changing external environment in which they operate. It will develop your capability for critical evaluation of the core business disciplines.

The programme is a full-time course suitable for those seeking positions in a variety of management fields. It provides theoretically-grounded coverage of key conceptual and practical developments across a wide range of management disciplines including marketing, human resource management, finance and accounting, and corporate strategy.

## Career prospects

The course acts as a sound basis for a variety of management or management-related careers. It offers opportunities for career in a variety of areas, such as accountancy, business analysis, business development, consultancy, credit advice, economic development, financial consultancy, investor relations, general management, marketing, operations management, and tax consultancy.

## Course structure

You must complete a total of eight taught modules and an individual dissertation on an approved subject relevant to your field of study. You can use the dissertation component to concentrate in-depth on management topics according to your own individual interests and career requirements.

## Modules

### Semester 1

#### Core modules

- Introduction to Research Methods

#### One module from:

- Further Quantitative Research Methods
- Further Qualitative Research Methods

#### Two modules from:

- Corporate Finance
- Managing People and Organisations
- Managerial Economics

### Semester 2

#### Four modules from this group, subject to meeting any prerequisites:

- Financial Reporting
- International Finance
- International Marketing
- Consumer Behaviour
- Corporate Governance
- Corporate Strategy

Plus no more than one further additional module from the relevant list of NUBS optional modules (subject to meeting any prerequisites and timetabling constraints)

## Dissertation

*Not all optional modules will necessarily run each session.*



## Fact file

Entry requirements	English language requirements
<b>Applicants must have graduated from an approved university</b>	IELTS: 7.0 (no element below 6.0)
<b>MSc Finance and Investment</b>	TOEFL (iBT): 100 (no element below 21)
An upper second class honours degree (or its international equivalent).  Applicants for this MSc must have a first degree in business/economics, containing substantial components of finance. Students with an outstanding first degree in a quantitative subject will be considered.	PTE (Academic):67 (minimum 67)  <i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>
<b>MSc International Business</b>	
An upper second class honours degree (or its international equivalent).  Applicants' first degree can be of any discipline; however, the course is not designed for candidates with a first degree in business	
<b>MSc Investment and Islamic Finance</b>	
An upper second class honours degree (or its international equivalent).	
<b>MSc Management</b>	
An upper second class honours degree (or its international equivalent).  Applicants for this MSc must have a first degree containing modules in management, economics or business studies.	

Other equivalent qualifications will be considered on a case-by-case basis.

**Fees:**  
Malaysian – RM42,500  
Non-Malaysian – RM46,300

**Mode of study:**  
Full-time, 1 year

**Intake:**  
September

**Find out more**  
**Nottingham University Business School**  
t: +6 (03) 8924 8000  
e: enquiries@nottingham.edu.my (Malaysian) or  
international.enquiries@nottingham.edu.my (non-Malaysian)  
w: [www.nottingham.edu.my/business](http://www.nottingham.edu.my/business)

## Scholarships

Applicants for the School's MSc degrees may also apply for the Faculty of Arts and Social Sciences Postgraduate Scholarship. Further information can be found online: [www.nottingham.edu.my/artsandsocialsciencesscholarships](http://www.nottingham.edu.my/artsandsocialsciencesscholarships)

# Executive education programme

Nottingham University Business School's executive education aims to work with organisations to motivate, retain and develop their human capital in a changing economic environment. Through these working relationships, the school aspires to be industry-relevant with a sound understanding of the industry requirements of graduates today.

### Scheduled workshops

The calendar of executive education workshops for the current year is as follows.

- Investments and Portfolio Management
- Green Supply Chain Management
- Corporate Governance in Malaysia
- Business Model Innovation
- Business Driven Innovation and Commercialisation Strategies: Learning from the USD4.0 Billion Indian Biotechnology Industry Experience
- Islamic Banking and Finance
- Performance Management for Organisational Success
- Accounting and Finance for Senior Personnel and Board Members
- Electronic Transactions: Navigating the Regulatory Landscape
- Out Thinking The Competition
- Trade and Investment Strategies in the Middle East
- Entry into an Untapped Rural Market: Learning from the USD1.8 Trillion Indian Market Opportunity
- Application of Strategic Management Accounting Techniques: Enhancing Patient Care Support System
- Bringing Creativity and Innovation to Generation y at the workplace

### Customised training programmes

Another feature of our executive education programme is the customisation of content to make it specific to the needs of organisations. We ensure these are delivered with an equal emphasis on lectures and the application of theories through relevant individual and teamwork activities amongst participants.

Organisations which have engaged our executive education programme include:

- HSBC Bank Malaysia Berhad, United Overseas Bank Malaysia Berhad and Affin Holdings - finance and investment
- The Public Service Department of Malaysia (JPA), British-Malaysian Chamber of Commerce, and the Ministry of Human Resources Malaysia - public sector and human resource management
- Jagannath International Management School, Kalkaji, New Delhi - Asian business environment

Our customised programmes are in areas relating to:

- doing business in Asia
- creating and managing new ventures in a new global environment
- advanced management
- leadership development
- marketing and sales
- organisational behaviour
- strategies for innovation
- training needs analysis
- accounting and finance
- operations management

### Contact details:

Director of Executive Education,  
Nottingham University Business School  
e: [NUBS.EDP@nottingham.edu.my](mailto:NUBS.EDP@nottingham.edu.my)  
w: [www.nottingham.edu.my/business](http://www.nottingham.edu.my/business)

Details of these workshops can be found on our website: [www.nottingham.edu.my/business/courses](http://www.nottingham.edu.my/business/courses)

Nottingham University Business School has an excellent reputation and offers a top-quality executive education programme that can really make an impact on both individual employees and organisations as a whole.



“Studying my economics PhD with The University of Nottingham has provided me with the opportunity to study both in the UK and Malaysia campuses. My initial studies in the UK enabled me to gain a strong foundation in international trade, my specific field of interest.”

Kong Yoke Fong / PhD



Yoke Fong analyses information on the United Nations Commodity Trade Statistics Database.

# School of Economics

## About the School

Nottingham's School of Economics celebrates its 100th anniversary this year. It is highly regarded and established as one of the best economics schools in the world. The School of Economics was established in 2010 at Malaysia and in 2011 in the Ningbo Campus in China, confirming our position as truly global.

The School of Economics has an enviable reputation and a strong commitment to teaching and research of the highest quality. We consistently rank amongst the top 10 in the UK's higher education league tables and were awarded top marks by the UK Quality Assurance Agency for our teaching quality. The quality of our research is nationally and internationally recognised. We ranked third for research power in the latest UK Research Assessment Exercise and were placed 32nd in the world, eighth in Europe and fourth in the UK in the prestigious Tilburg University Top 100 Worldwide Economics Schools Research Ranking.

## Research in economics

As one of the premier economics departments for research we enjoy an international reputation for research and scholarship of the highest quality. The School promotes an active research environment which fosters collaborative research links, both within and external to the University.

In the most recent Research Assessment Exercise (RAE), the School was ranked 3rd in the UK, behind only Oxford and Warwick, on the 'research power' measure – which takes into account both quality of research and the number of research-active staff who were returned in the RAE. On the 'grade point average' measure we were ranked sixth in the UK.

## Leverhulme Centre for Research in Globalisation and Economic Policy

The Globalisation and Economic Policy Centre (GEP) is a major research centre studying the impact of globalisation and economic policy. GEP is funded primarily by the Leverhulme Trust and has built an international reputation. The Centre's academics have advised the UK Treasury, the World Bank and World Trade Organisation. The Malaysia branch runs regular events including an annual international conference, seminars, workshops and public lectures.

We enjoy an international reputation for research and scholarship of the highest quality, and rank as one of the world's premier economics departments.



# MPhil/PhD programmes in economics

MPhil: KPT/JPS(F3-102)1/16 PhD: KPT/JPS(F3-103)1/16

We offer a full-time PhD, although Malaysian students can follow the programme on a part-time basis if they wish. We are particularly interested in hearing from postgraduates who wish to undertake research projects in:

- international trade and development
- microeconomics
- macroeconomics

If you register for your PhD with The University of Nottingham Malaysia Campus your fees will be lower than those for international students registered in the UK. By registering for your PhD at the Malaysia Campus you will benefit from dual project supervision by academics based in Malaysia and the UK.

This programme is part of a 2+1 split scheme, where you will spend all, or a substantial part, of your first year at the UK Campus to take advantage of the taught modules offered. The rest of your programme will then be completed at the Malaysia Campus.

### How to apply for MPhil/PhD

If you are interested in applying to do an MPhil or PhD in the School of Economics we would recommend that you contact us and discuss your research project proposal with the relevant supervisor in the first instance. You can then visit our applications pages to find out how to apply:

[www.nottingham.edu.my/applications](http://www.nottingham.edu.my/applications)

## Fact file

Entry requirements	English language requirements
An upper second class honours degree (MPhil). First or upper second class honours and a higher degree, eg a masters or PhD.	IELTS: 7.0 (no elements below 6.0)
Other equivalent qualifications will be considered on a case-by-case basis.	TOEFL (iBT): 100 (no elements below 21)
<b>Applicants must have graduated from an approved university</b>	PTE (Academic): 67 (minimum 67)
	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

**Fees:**  
Malaysian – RM33,000 per year  
Non-Malaysian – RM35,175 per year

*All fees quoted are for one-year of full-time study. Part-time students pay half the full-time fee for each year.*

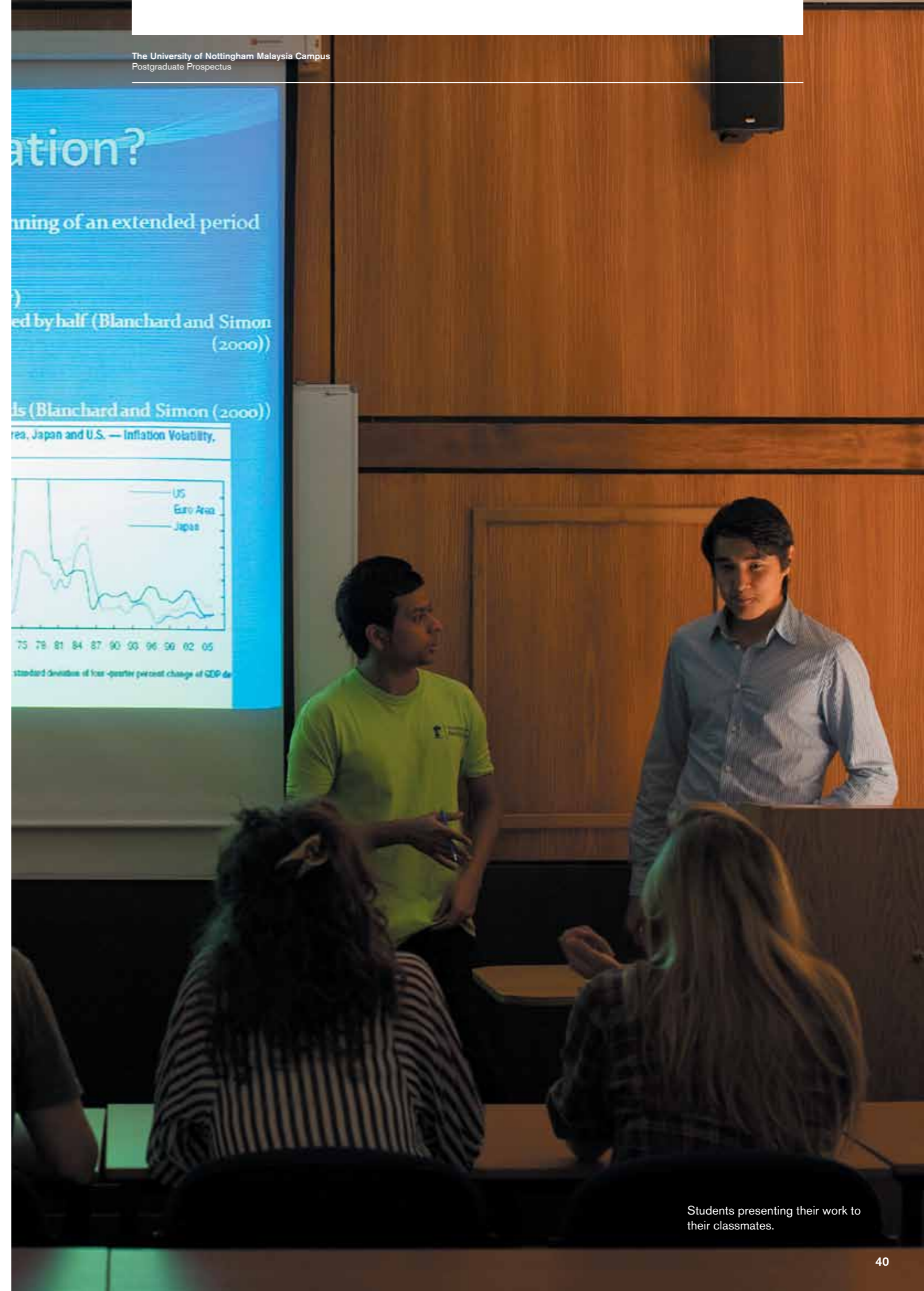
**Mode of study:**  
**MPhil**  
Full-time, 1-2 years  
Part-time, 2-3 years  
**PhD**  
Full-time, 1-3 years  
Part-time, 4-6 years

**Intakes:**  
September

**Find out more**  
**School of Economics**  
t: +6 (03) 8924 8000  
e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)  
w: [www.nottingham.edu.my/economics](http://www.nottingham.edu.my/economics)

## Scholarships

Applicants for the School's postgraduate degrees may also apply for the Faculty of Arts and Social Sciences Postgraduate Scholarship. Further information can be found online: [www.nottingham.edu.my/artsandsocialsciencesscholarships](http://www.nottingham.edu.my/artsandsocialsciencesscholarships)



Students presenting their work to their classmates.



**“I really like the style of teaching on my course, it’s discussion based and it’s all about sharing ideas with each other.”**

**Michele Maryann Peter / MA Special Needs**



Find out more about Michele’s experience at  
[www.nottingham.edu.my/education/studentexperience](http://www.nottingham.edu.my/education/studentexperience)

Michele, centre, discusses work with her friends.



Scan it! To find out how to watch this video on your smartphone see page 130.



# School of Education

## About the School

The School of Education provides an exciting and rewarding learning experience with a global view. We are committed to providing a quality education to students from around the world. As one of the leading centres for research in education, we have contributed to the improvement of social justice and equality in education.

The University of Nottingham has one of the largest and most established education departments in the UK. The University of Nottingham Malaysia Campus follows in these footsteps and you will benefit from the innovative teaching and learning methods and high-quality research this provides across our PhD, MPhil and masters programmes.

As a leading research-intensive institution, we believe that postgraduates are central to our research mission. At Nottingham we are committed to working with you to ensure you receive all the support and skills training you need to fulfil your full potential.

The school currently offers doctoral and masters programmes aimed at experienced professionals in the fields of education, training and other related areas. The flexible mode of learning offered by our school for the MA programmes provides a wonderful opportunity for students worldwide to undergo their programme in a Malaysian study environment, rich with the many cultural essences of the world.

## Research in education

The School of Education at Nottingham is a leading centre for research in education, with a broad commitment to improving and investigating social justice and equality in education. In the latest Research Assessment Exercise (RAE) we were ranked sixth out of 82 education departments in the UK.

We aspire to the very highest levels of research performance and are systematically building on our existing strengths to further increase the impact, capacity and productivity of our research.

## Areas of research

We have developed three major research agendas that build not only on the strengths of key researchers, but also the research activities of the academic staff as a whole. These overlapping research agendas cover research for and about:

- knowledge society
- changing education profession
- global and local educational cultures and contexts

Working within this, interests amongst our academic staff include:

- interdisciplinary research
- international and comparative education and development
- special needs
- teacher education and teacher development
- language and literacy education

As one of the leading centres for research in education, we have contributed to the improvement of social justice and equality in education.



# MPhil/PhD programmes in education

MPhil: KPT/JPS(F3-102)1/16 PhD: KPT/JPS(F3-103)1/16

The PhD is a two-year, full-time programme or four-year, part-time programme. However, these are minimum periods of study, and it usually takes the equivalent of at least 36 months full-time research to complete the PhD degree.

The MPhil is a one year full-time or two-year part-time programme, but students usually require the equivalent of at least 24 months full-time research for the MPhil degree.

Research supervision is offered across the breadth of the research expertise in the school, namely in:

- interdisciplinary research
- international and comparative education and development
- special needs
- teacher education and teacher development
- language and literacy education

## Assessment

MPhil students must present a thesis of up to 60,000 words, embodying the results of their advanced study and research. The thesis must satisfy the examiners regarding knowledge of the general field of scholarship to which the subject belongs. An oral examination occurs at the discretion of the examiners.

PhD students must present a thesis, maximum 100,000 words, demonstrating originality and innovation on the subject of their advanced study and research. The thesis must satisfy examiners regarding knowledge of the general field of scholarship to which the subject belongs. They must also present themselves for an oral examination on the subject of their thesis and its general field of scholarship.

## How to apply for MPhil/PhD

If you are interested in applying to do an MPhil or PhD in the School of Education we would recommend that you contact us and discuss your research project proposal with the relevant supervisor in the first instance. You can then visit our applications pages to find out how to apply:

[www.nottingham.edu.my/applications](http://www.nottingham.edu.my/applications)

## Fact file

Entry requirements	English language requirements
An upper second class honours degree (MPhil). First or upper second class honours and a higher degree, eg masters (PhD).	IELTS: 7.0 (no elements below 6.0)
Other equivalent qualifications will be considered on a case-by-case basis.	TOEFL (iBT): 100 (no elements below 21) with no less than 21 in listening and writing, 22 in reading, 23 in speaking.
<b>Applicants must have graduated from an approved university</b>	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

## Fees:

Malaysian – RM33,000 per year  
Non-Malaysian – RM35,175 per year

*All fees quoted are for one-year of full-time study. Part-time students pay half the full-time fee for each year.*

## Mode of study:

**MPhil**  
Full-time, 1 year  
Part-time, 2 years

## PhD

Full-time, 3 years  
Part-time, 6 years

## Intakes:

June and December

## Find out more

### School of Education

t: +6 (03) 8924 8000

e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)

w: [www.nottingham.edu.my/education](http://www.nottingham.edu.my/education)

# MA Education

KPT/JPS(F3-K024)2/16

The MA Education is a unique modular and flexible programme designed to reflect the needs of individuals or organisational cohorts. While each module has its own particular focus, all are concerned with investigating contemporary educational issues in the light of economic and social contexts, appropriate literature and the shared experience of course members.

The overall purpose of the MA Education is to deepen and refine your capacity for critical reflection on your practice as well as on the mental models which inform your work. Systematic inquiry is therefore an organising principle that underpins all modules on the programme, and you will be encouraged to identify issues that are significant to you and your organisation.

A hallmark of the MA Education is its commitment to equity and diversity, and its flexibility to meet the needs of individuals and organisations.

## Course structure

The MA requires candidates to complete five-six taught modules (120 credits) and a dissertation (60 credits). Those with approved credits (APL) may study fewer.

Each 30-credit module is assessed by a written assignment of 5,000-6,000 words (or equivalent) and each 15 – 20 credit module is assessed by a written assignment of 3,500-4,500 words. To complete the Masters programme successfully, a pass of 50 must be achieved on each assignment.

The dissertation is an original piece of work and should be of 12,000-15,000 words (or their equivalent) related to one of the selected modules on an approved topic.

You can study for the MA Education as an individual or part of an organised and negotiated cohort.

There are currently two core modules (90 credits in total) and an extensive selection of elective modules (accumulating to 90 credits or more). Modules can range from 15 – 30 credits.

## Modules

### Core modules

- Planning Practice Based Inquiry (offered with a leadership focus)
- Dissertation

### Elective modules

- Understanding Individual and Organisational Development
- Issues in Educational Leadership
- Behaviour/Relationship Management
- Personal, Social and Emotional Development
- Debating Special Education and Inclusive Education
- Specific Reading Difficulties/Dyslexia
- Developments in Language Teaching Methodology
- Applied Linguistics for TESOL
- The Language Learner and Language Learning
- Current Issues in TESOL
- Materials Evaluation and Design
- English for Specific Purposes
- Grammar and the Language Classroom
- Learner Autonomy
- Learning to Train
- The Management of TESOL
- Literature and Language Education
- Technology Enhanced Language Learning (TELL)



# MA/PGDip/PGCert Educational Leadership and Management

MA: KPT/JPS( F3-K017)/(A7263)2/16 PGDip: KPT/JPS( F3-K030)/(A8397)2/16  
PGCert: KPT/JPS( F3-K031)2/16

The Masters in Educational and Leadership Management is a core programme of study for leaders and managers in education. It is designed to meet the interests of leaders at all levels who are keen to improve their leadership and management understanding and practices.

The course aims to strengthen your leadership and management skills, and to enable you to apply theory and ideas within your workplace and utilise existing and emerging research-informed knowledge of educational leadership internationally. It will enable you to develop, broaden and deepen your critical understanding of your organisation and the environment in which you operate, manage change and promote the development of yourself, your colleagues and your organisation.

The programme is vitally relevant for middle and senior managers and leaders in schools and post-compulsory educational organisations in the UK and overseas, as well as those who advise these managers and leaders – for example local authority staff, educational consultants, and policy advisors.

Throughout the course, you will develop your skills in critical reflection, critical reading and critical writing; practice-relevant research skills; research design; literature searches; and ethics in educational research. You will carry out independent study in an area relevant to your needs and/or those of your organisation.

## Course structure

You can study for an MA in Educational Leadership and Management or a Postgraduate Diploma or Certificate. For the MA in Educational Leadership and Management, you will need to successfully complete 180 credits. This will be composed of four core modules, including written work, of thirty credits each. In addition, you will need to submit a dissertation (or equivalent), worth sixty credits, in a subject related to one of the modules and approved by your tutor.

For the Postgraduate Diploma in Educational Leadership and Management, you will need to successfully complete all modules and associated assignments to the value of 120 credits. There is no dissertation requirement. For the Postgraduate Certificate in Educational Leadership and Management you will need to successfully complete modules and associated assignments to the value of 60 credits.

Modules are taught within a block over four days. At the end of each face-to-face teaching period, students are provided opportunities for tutorials, individual study in groups and/or using other means of communication such as emails, telephone and video conference.

## Assessment

Each of the modules has a contact time of 30 hours. In addition, you will be expected to undertake 270 hours of private study, assignment preparation and tutorial support. The module assignments have been designed to incrementally increase your skills and criticality.

Each 30-credit module will usually be assessed by a written assignment of 5,000–6,000 words. Your dissertation is an original piece of work and should be of 12,000–15,000 words (or their equivalent) related to an approved topic on one of the selected modules.

## Modules

### Core modules

- Planning Practice Based Enquiry
- Understanding Individual and Organisational Development
- Effective Leadership and Change in Education
- Issues in Educational Leadership

### Dissertation

### Cohort applications

We welcome approaches from educational organisations who may wish to develop a bespoke cohort programme. The programme is taught by experienced specialist staff with outstanding national and international reputations and teaching is informed by current research.

# MA/PGDip/PGCert Education: Special Needs

MA: KPT/JPS( F3-K022)/(A7269)2/16 PGDip: KPT/JPS(F3-K049)3/16  
PGCert: KPT/JPS(F3-K050)/(A9392)3/16

This programme is designed for teachers or other professionals who have an interest in increasing their knowledge and skills in the field of special needs.

The Masters in Special Needs covers four main areas:

- understanding and supporting students with reading difficulties/dyslexia
- personal, social and emotional developments
- behaviour and relationship management: from theory to practice
- debating special education and inclusive education

The course contains both taught and experiential elements, and you will cover the theoretical aspects of each area, as well as practical strategies and aspects of self-development. Your learning will be supplemented by seminars and workshops about study and research skills.

## Course structure

You can study for an MA in Education: Special Needs, or a Postgraduate Diploma or Certificate. For the MA in Education: Special Needs, you will need to successfully complete 180 credits. This will be composed of four core modules, including written work, of 30 credits each. In addition, you will need to submit a dissertation, worth 60 credits, in a subject related to one of the modules and approved by your tutor.

For the Postgraduate Diploma in Special Needs you will need to successfully complete four modules and associated assignments to the value of 120 credits. There is no dissertation requirement. For the Postgraduate Certificate in Special Needs you will need to successfully complete two modules and associated assignments to the value of 60 credits.

Modules are taught within a block of four days over two consecutive weekends. At the end of each face-to-face teaching period, you are provided opportunities for tutorials individually, in groups and/or using other means of communication such as email, telephone or video conference.

## Assessment

Each module will usually be assessed by a written assignment of 5,000–6,000 words. Your dissertation is an original piece of work and should be approximately 12,000–15,000 words related to an appropriate topic.

## Modules

### Core modules

- Understanding and Supporting Students with Reading Difficulties/Dyslexia
- Personal, Social and Emotional Developments
- Behaviour and Relationship Management: from Theory to Practice
- Debating Special Education and Inclusive Education

### Dissertation



# MA/PGDip/PGCert Education: Teaching English to Speakers of Other Languages

MA: KPT/JPS(F3-K046)/(A9688)3/16 PGDip: KPT/JPS(R/145/7/0028)10/17

PGCert: KPT/JPS(F3-K048)/(A9690)3/16

This course is designed for professionals who wish to develop their critical understanding of recent developments in teaching English to speakers of other languages (TESOL). You will cover theory and practice, reflect on your own teaching, and conduct independent research into teaching and learning.

If you are a teacher of English to speakers of other languages (TESOL) or working in a related profession, this course can help you build on your existing knowledge and experience, improve your career prospects, take up a more senior position within your institution. It will also prepare you for researching your own teaching or applying for a research degree (MPhil/PhD/EdD).

Our TESOL programme offers a range of modules which provide you with considerable freedom in selecting course components to suit your individual needs and interests. We also encourage you to develop your own areas of interest through your dissertation research.

## Course structure

You can study for an MA, postgraduate diploma or postgraduate certificate. For the MA in TESOL you will need to successfully complete 180 credits. Core and elective modules, including written work, will make up 120 credits. In addition, you will need to submit a dissertation worth 60 credits in a subject related to one of the modules and approved by your tutor.

For the Postgraduate Diploma in TESOL you will need to successfully complete core and elective modules and associated assignments to the value of 120 credits. There is no dissertation requirement. For the Postgraduate Certificate in TESOL you will need to successfully complete three core modules, one elective module and associated assignments to the value of 60 credits.

Modules are taught within a block of three days over extended weekends. At the end of each face-to-face teaching period, you are provided opportunities for tutorials individually, in groups and/or using other means of communication such as email, telephone or video conference.

## Assessment

Modules are assessed by a 3,500-4,000 word assignment or equivalent. The dissertation is an original piece of work and should be approximately 12,000-15,000 words on an approved topic.

## Modules

### Core modules

- The Language Learner and Language Learning
- Applied Linguistics for TESOL
- Developments in Language Teaching Methodology

### Elective modules\*

- Current Issues in TESOL
- English for Specific Purposes
- Grammar and the Language Classroom
- Learner Autonomy
- Learning to Train
- Materials Evaluation and Design
- Technology Enhanced Language Learning
- The Management of TESOL
- Literature and Language Education

## Dissertation

## Fact file

Entry requirements	English language requirements
Other equivalent qualifications will be considered on a case-by-case basis	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>
<b>Applicants must have graduated from an approved university</b>	
<b>MA Education</b>	
An honours degree at 2:2 level or above, or its international equivalent and a teaching qualification (eg PGCE, PGCEi, PGCCE, PGCHE). Relevant experience may be required for some of the modules in this course and you should have access to an educational setting.	IELTS: 6.5 (no element below 6.0) TOEFL (iBT): 87 (minimum of 21 in speaking and writing, 22 in reading, 23 in speaking)
<b>PGCE/PGCEi applicants</b>	
If you are a University of Nottingham PGCE/PGCEi student and started your course on or after September 2006 and have masters credits with marks of 53 or above, you are entitled to apply to APL these to the MA Education.	
If you hold a PGCE (post 2006) from another institution and/or have appropriate experience, you may be able to apply for AP(E)L of up to 80 credits into the full MA.	
<b>PGCert/PGDip/MA Educational Leadership and Management; Education: Special Needs; Education: TESOL</b>	
A holder of an approved professional qualification equivalent to a first degree	IELTS: 6.5 (no element below 6.0) TOEFL (iBT): 100 (minimum of 20 in speaking and 19 in all other elements)

## Fees:

### MA

Malaysian – RM42,500  
Non-Malaysian – RM46,300

### PGDip

Malaysian – RM28,332  
Non-Malaysian – RM30,870

### PGCert

Malaysian – RM14,166  
Non-Malaysian – RM15,435

*All fees quoted are per course. The payment installment scheme will differ for full-time and part-time students.*

## Mode of study:

Full-time, 1-2 years  
Part-time, 2-4 years

## Intakes:

June and December

## Find out more

### School of Education

t: +6 (03) 8924 8000  
e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)  
w: [www.nottingham.edu.my/education](http://www.nottingham.edu.my/education)

## Scholarships

Applicants for the School's postgraduate degrees may also apply for the Faculty of Arts and Social Sciences Postgraduate Scholarship. Further information can be found online:

[www.nottingham.edu.my/artsandsocialsciencesscholarships](http://www.nottingham.edu.my/artsandsocialsciencesscholarships)



# School of English

## About the School

The University of Nottingham's School of English is one of the oldest and most successful departments in the University, and is known globally for its international-quality teaching and research. With a division of English already operating at the University's campus in Ningbo, it was a natural step to open a school at UNMC in 2013.

Nottingham's School of English is staffed by vibrant, international academics with a wide range of teaching and research experience. Our staff and students work side-by-side to investigate a wide range of topics around the use of English, both in literature and in everyday language. Students investigate how language shapes, and is shaped by, the dynamic environments in which it is used.

The School's global footprint allows you to draw on the supervisory expertise of over eighty staff specialising in aspects of English studies across the three campuses, and to spend periods of time in the UK and China. You can also enjoy access to dedicated funds to cover research and resources costs and to help disseminate your findings at local and international conferences.

The School features a world-class network of researchers and academics, which offers a wide range of research opportunities. It equips you with the skills to succeed in a variety of careers, including broadcasting, publishing, teaching, advertising, marketing, publishing, journalism, communications, business, banking, law, human resources, and public relations, just to name a few. Former research students hold senior posts in top-tier universities across the world and prominent positions in government and the private sector.

## Staff expertise

The University employs the best educators to its schools and departments, and the school of English at UNMC is no exception. We have ambitious expansion plans to meet our teaching and research needs. Our academic staff come from across the globe, including the UK, Canada and the US, and bring with them a wealth of experience and expertise. Research expertise within the School includes systemic functional linguistics, 19th century socialist literature, British and American literature, computer-mediated communication, and the use of metaphor in inter-religious dialogue.

As well as collaborating with their counterparts in the UK and China, the School staff also work closely with colleagues based elsewhere in the faculty, especially specialists in English language and literary, film, TV and cultural studies in the School of Education and the School of Modern Languages and Cultures.

## Research in English

The School of English at UNMC offers research opportunities across a wide variety of topics related to English Studies, and draws on the resources of Nottingham's renowned Centre for Research in Applied Linguistics (CRAL) – [www.nottingham.ac.uk/cral](http://www.nottingham.ac.uk/cral), an interdisciplinary research centre devoted to describing and understanding language as it is acquired and used in the real world. Research students work closely with two allocated supervisors who assist them in planning, executing and writing up of their research.

Student of English, Chalani Ranwala, studying in Central Café.



# MRes/MPhil/PhD programmes in English

MRes: KPT/JPS(F3-K028)/(A7510)2/16 MPhil: KPT/JPS(F3-102)1/16 PhD: KPT/JPS(F3-103)1/16

The Masters of Research (MRes) serves as an entry point for researchers who may not have sufficient experience to begin a PhD. The MRes lasts for one year and results in a 15,000 word dissertation, based on an original research project, conducted under the supervision of academic staff.

PhD students are registered for a minimum of two years and produce a thesis of up to 100,000 words. Progress is assessed annually and failure to pass the annual review will result in termination of the degree, or down-grading to an MPhil.

Students may also pursue an MPhil, resulting in a 60,000 word thesis. The MPhil is usually completed in two years.

The School also offers research training seminars and students also have access to training programmes offered by the graduate school. The University also has an early-career researchers' network which provides peer-support for students.

Exceptional candidates working in areas of research deemed priority areas for the school may also be eligible to partial fee waiver scholarships at the discretion of the Programme Director.

## Areas of research expertise

We encourage applications in any topic related to English Studies. Our current research topics include:

- Systemic Functional Linguistics
- Canadian Literature
- World Englishes
- Stylistics
- 19th Century British and American literature
- Discourse Analysis
- Socialist Literature
- Computer-mediated communication
- Grammar
- Language in the Classroom
- Metaphor Studies

## How to apply

If you are interested in applying for an MRes/MPhil or PhD in the School of English, please contact the Programme Director, Derek Irwin, to discuss your research proposal before making a formal application: [derek.irwin@nottingham.edu.my](mailto:derek.irwin@nottingham.edu.my)

Visit our applications pages to find out how to apply:  
[www.nottingham.edu.my/applications](http://www.nottingham.edu.my/applications)

## Fact file

Entry requirements	English language requirements
A masters degree in relevant subject (typically 65% in taught modules and 68% in the dissertation or its equivalent), or substantial relevant work experience.	IELTS: 7.0 (no elements below 6.0) TOEFL: (iBT) 100 (no elements below 21)
Other equivalent qualifications will be considered on a case-by-case basis.	PTE (Academic): 67 (minimum 67) <i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

### Fees:

MRes  
Malaysian: RM42,500  
Non-Malaysian: RM46,300

MPhil/PhD  
Malaysian: RM31,500 per year  
Non-Malaysian: RM35,175 per year

### Mode of study:

MRes  
Full-time: 1 year  
Part-time: 2 years

MPhil  
Full-time: 1-2 years  
Part-time: 2-3 years

PhD  
Full-time: 2-3 years  
Part-time: 3-6 years

### Intakes:

February and September

### Find out more

#### School of English

t: +6 (03) 8924 8000  
e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)  
w: [www.nottingham.edu.my/english](http://www.nottingham.edu.my/english)

## Scholarships

Applicants for the School's postgraduate degrees may also apply for the Faculty of Arts and Social Sciences Postgraduate Scholarship. Further information can be found online:

[www.nottingham.edu.my/artsandsocialsciencesscholarships](http://www.nottingham.edu.my/artsandsocialsciencesscholarships)



“I like the structure of the course. It’s very well planned out and all the classes that I’m taking are well designed with great lecturers who have a lot of applicable work experience. My course is so diverse, after university I can use management practice pretty much anywhere.”

Caroline Ndalama / MSc Management Psychology



Find out more about Caroline's experience at  
[www.nottingham.edu.my/iwho/studentexperience](http://www.nottingham.edu.my/iwho/studentexperience)

Caroline is catching up on her studies in the library.



Scan it! To find out how to watch this video on your smartphone see page 130.

# Institute of Work, Health and Organisations

## About the School

The Institute of Work, Health and Organisations (IWHO), a school of applied psychology, enjoys a strong reputation for teaching and research. It is a world-class centre of excellence in research in applied psychology, and a leading provider of education and training in areas of applied psychology and related subjects. Our international team of highly-qualified staff have expertise in a range of areas and enable the Institute to be a centre for the collection, evaluation and dissemination of information on research, education, practice and policy in its core areas.

In the latest Research Assessment Exercise, the Institute received a Grade 5 (international) rating. We are committed to an international approach, our staff and students come from over 40 different countries and we are involved in research collaborations with colleagues across the globe.

The IWHO at The University of Nottingham Malaysia Campus (UNMC) was launched in December 2006, and is a fully-fledged academic department within the Faculty of Arts and Social Sciences. The Institute was designed to promote the contribution of applied psychology to occupational and public health and safety, and to the management of related health services.

There is great potential for growth and development in applied psychology in Asia, and as part of the University's internationalisation plan it is envisaged that the Institute at UNMC will become a Southeast Asian leader for research and teaching.

## Research

Research is one of the defining activities of the Institute. There is a close and mutually beneficial relationship between the Institute's research and postgraduate teaching as each contributes to the other. The Institute's research is in applied psychology and grounded in real world issues. This research contributes directly or indirectly to its main objective of promoting 'healthy people, healthy organisations and healthy communities'.

The Institute's activities are managed through three clusters:

- Occupational health and wellbeing
- Learning and development
- Culture and social cognition in organisations

## Occupational health and wellbeing

This cluster is concerned with contemporary issues in occupational health and wellbeing, with an emphasis on cross-cultural contexts. Areas of interest include:

- work-related violence and occupational stress
- impact of environmental design on health and wellbeing
- health and safety cultures
- HR best practise in health services
- reproductive health and public health services
- resiliency and work-life balance
- burnout and work engagement

## Learning and development

The learning and development cluster is concerned with individual and organisational level processes and issues that impact on people's growth in organisations and communities. Areas of interest include:

- career decision making
- emotional intelligence
- performance management

## Culture and social cognition in organisations

This cluster is concerned with the impact of culture and group level processes on work and organisational outcomes. Areas of interest include:

- organisational culture and positive work outcomes
- research culture and productivity
- multicultural contexts and work outcomes
- social identity perspectives in organisations
- cross-cultural management
- individual and organisational values
- cross-cultural adaptation



# MPhil/PhD programmes in applied psychology

MPhil: KPT/JPS(F3-102)1/16 PhD: KPT/JPS(F3-103)1/16

The Institute of Work, Health and Organisations offers both PhD and MPhil degrees in applied psychology related to our core areas of interest.

You will be registered for an MPhil for the first year of your studies unless you hold a masters degree in an approved discipline. You will then continue to the PhD programme on satisfactory completion of the course requirements for the first year. The minimum period required for an MPhil is one year full-time or two years part-time.

The minimum period required for a PhD is two years full-time, or three years for research staff. Most PhD students register for three years and you will be expected to complete all experimental and research work and to have written up all or most of the thesis by the end of the three years.

The final assessment of your degree will be via the written thesis and a viva voce (oral) examination. However, progression through the programme also involves satisfactory completion of research training. The training element is designed to equip you with the necessary research, communication, information technology, personal development and employment skills. This training will be tailored to your individual needs as a student.

Postgraduate research training also includes Faculty Research Seminars and activities within the University's Graduate School, and will help you to develop practical skills important for your career development.

Research projects are usually placed within the relevant research cluster or managed as a collaboration across clusters. You will undertake research with two members of the academic staff as supervisors (primary and supporting), becoming a member of one of the Institute's research groups. We would welcome applications on areas covered by our research groups, which include:

- risk assessment and work stress
- work-related violence, bullying and harassment
- individual differences, coping and work performance
- work-life balance
- occupational health and migrant workers
- career decision making
- organisational culture/climate
- work engagement
- expatriate adjustment
- chronic illness at work

## How to apply for MPhil/PhD

If you are interested in applying to do an MPhil or PhD in Institute of Work, Health and Organisations we would recommend that you contact us and discuss your research project proposal with the relevant supervisor in the first instance. You can then visit our applications pages to find out how to apply: [www.nottingham.edu.my/applications](http://www.nottingham.edu.my/applications)

## Fact file

Entry requirements	English language requirements
An upper second class honours degree (or equivalent) in relevant discipline which contains psychology. A masters degree either in psychology or with an element of psychology is highly advantageous.	IELTS: 6.5 (no elements below 6.0)
Other equivalent qualifications will be considered on a case-by-case basis.	TOEFL (iBT): 88 (no elements below 19)
<b>Applicants must have graduated from an approved university</b>	PTE (Academic): 62 (minimum 55)
	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

**Fees:**  
Malaysian – RM33,000 per year  
Non-Malaysian – RM35,175 per year

*All fees quoted are for one-year of full-time study. Part-time students pay half the full-time fee for each year.*

**Mode of study:**  
**MPhil**  
Full-time, 1 year  
Part-time, 2 years

**PhD**  
Full-time, 2 years  
Part-time, 4 years

**Intakes:**  
All year round

**Find out more**  
**Institute of Work, Health and Organisations**  
t: +6 (03) 8924 8000  
e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)  
w: [www.nottingham.edu.my/iwho](http://www.nottingham.edu.my/iwho)

# MSc Management Psychology

KPT/JPS(F3-K013)/(A7262)3/16

Management psychology uses psychological principles and theory to solve practical problems of business, organisations and management.

The MSc Management Psychology programme at IWHO is designed around three critical management activities:

- developing and motivating effective workers
- managing productive and healthy organisations
- identifying and selecting competent workers

The three activities cover important aspects of individual management and their relationship with the management of organisations. All three are underpinned by evidence-based applied psychology. As you work through the course modules, you will learn how psychology makes an impact in the three activities, and how it can help to improve them. You will also learn about the scientific foundations of psychology and how to use practical psychological theories and methods in organisations.

## Course structure

You will complete 120 credits of taught modules plus an empirical research project worth 60 credits on topics relevant to your specialist area of interest.

The programme is organised in workshop-based executive modules. 20-credit modules will be organised over two weeks with face-to-face teaching taking place during two consecutive weekends and three evenings during the week in between. The schedule for the different modules will be published in advance so that you can plan your schedule accordingly. The timetable for taught modules for the year ahead will be published each July. Your empirical project will be planned in the final semester of study.

	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
20 credit modules	Full day	Full day	Evening	Free day	Evening	Free day	Evening	Full day	Full day
10 credit modules	Full day	Full day	Evening	Free day	Evening	–	Evening	–	–
5 credit modules	Full day	Full day	–	–	–	–	–	–	–

## Modules

### Core modules

- The Psychology of Work, Management and Organisations
- Organisational Selection and Assessment
- Performance Management, Training, and Learning
- Coaching and Mentoring
- Strategic and Human Resource Management
- Organisational Development and Change
- Psychological Assessment
- Research Methods in Organisations

### Applied Research Project

### Flexible learning

The MSc Management Psychology course is offered on a part-time, flexible learning basis over 24 or 36 months. The Institute has adopted a blended learning approach, so the programme is built around three learning modes. Local face-to-face teaching and tutorials, and workshop-based teaching with 'fly-in experts' from Nottingham, are both supported and enhanced by an e-learning environment that allows you to access your studies anywhere in the world.

To participate in the MSc courses you will require:

- access to a personal computer with a word-processing programme, email and internet capabilities, a CD-drive and a printer
- willingness to engage in team-working and online discussions with fellow students
- commitment, determination, enthusiasm and the ability to be organised and work independently



# MSc Occupational Health and Safety Leadership

KPT/JPS(F3-K002)/(A7261)3/16

The MSc in Occupational Health and Safety Leadership programme focuses on the psychology of management and leadership in the promotion of occupational health and safety at work. The course is an executive programme for senior managers, applied psychologists, human factors specialists, occupational health and safety managers or practitioners, and those who have an active interest in issues of management of health and safety at work.

The MSc in Occupational Health and Safety Leadership programme presents health and safety leadership within a problem-solving framework, and is designed around two central activities:

- identifying and managing contemporary risks to health and safety
- developing effective leadership strategies, ultimately leading to the creation and promotion of healthy and productive workers, and healthy, safe and productive organisations

These activities are underpinned by evidence-based applied psychological science exemplified through sound methodology and applied research. All three ultimately lead to the promotion of healthy, productive employees and the creation of healthy, safe and productive organisations.

## Accreditation

The MSc in Occupational Health and Safety Leadership is accredited by the Institution of Occupational Safety and Health (IOSH), Europe's professional body for leading health and safety professionals. This confers eligibility for graduate membership leading to chartership with the Institution of Occupational Safety and Health.

## Course structure

You will complete 120 credits of taught modules plus an empirical research project worth 60 credits, or one major (40 credits) and one minor (20 credits) dissertation, on topics relevant to your area of interest in occupational health and safety.

The programme is organised in workshop-based executive modules. 20-credit modules will be organised over two weeks with face-to-face teaching taking place during weekends and three evenings.

The schedule for the different modules will be published in advance so that you can plan your schedule accordingly. The timetable for taught modules for the year ahead will be published each July. The empirical project will be planned in the final semester of study.

## Modules

### Core modules

- Overview of Contemporary Challenges to Safety and Health
- Occupational Health and Safety Law, Policies and Compliance: International Perspectives
- Occupational Hazards and Risk Management Strategies
- Organisations, Management and Leadership
- Specialist Issues in Contemporary Safety and Health
- Research Methods and Evidence-based Problem Solving in Occupational Safety and Health

### Applied Research Project or Major and Minor Dissertation

## Flexible learning

The MSc Management Psychology course is offered on a part-time, flexible learning basis over 24 or 36 months. The Institute has adopted a blended learning approach, so the programme is built around three learning modes. Local face-to-face teaching and tutorials, and workshop-based teaching with 'fly-in experts' from Nottingham, are both supported and enhanced by an e-learning environment that allows you to access your studies anywhere in the world.

To participate in the MSc courses you will require:

- access to a personal computer with a word-processing programme, email and Internet capabilities, a CD-drive and a printer
- willingness to engage in team-working and online discussions with fellow students
- commitment, determination, enthusiasm and the ability to be organised and work independently

	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
20 credit modules	Full day	Full day	Evening	Free day	Evening	Free day	Evening	Full day	Full day

## Fact file

Entry requirements	English language requirements
<b>MSc Management Psychology</b>  An upper second class honours degree (or equivalent) in a relevant discipline.  Students will be considered if they have first degree in a relevant discipline such as psychology, management or other related disciplines.	IELTS: 6.5 (no element below 6.0)  TOEFL (iBT): 88 (no element below 19)  PTE (Academic): 62 (minimum 55)
<b>MSc Occupational Health and Safety Leadership</b>  An upper second class honours degree (or equivalent) in a relevant discipline.  Students with a first degree in psychology, safety science, ergonomics, engineering, nursing, medicine, public health and other subjects allied to medicine are also eligible to apply.	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

Other equivalent qualifications will be considered on a case-by-case basis. Applicants must have graduated from an approved university.

### Fees:

Malaysian – RM46,300  
Non-Malaysian – RM46,300

*The fees quoted are per course.*

### Mode of study:

Part-time, 2-3 years

### Intakes:

February and September – MSc Management Psychology  
September – MSc Occupational Health and Safety Leadership

### Find out more

**Institute of Work, Health and Organisations**

t: +6 (03) 8924 8000

e: enquiries@nottingham.edu.my (Malaysian) or

international.enquiries@nottingham.edu.my (non-Malaysian)

w: [www.nottingham.edu.my/iwho](http://www.nottingham.edu.my/iwho)



# School of Law

## About the School

Law permeates almost every conceivable aspect of modern life. It is as vital for the functioning of individuals and family firms as it is for states and multinationals. An understanding of how Law operates is becoming increasingly key to a successful career, whether in business, government or the professions.

The School of Law was rated 'internationally outstanding', achieving a 5A grade in the most recent Research Assessment Exercise. Staff have high international reputations and are all active scholars and teachers, helping the school to be consistently ranked amongst the top law schools in the UK and among the leading centres for legal research and teaching in the world. We are:

- equal 4th in the latest UK Research Assessment Exercise
- 4th in The Times Good University Guide
- 5th in the Complete University Guide 2011

## Research-led teaching

We recognise the importance of the relationship between high-quality research and teaching, especially at postgraduate level. Teaching is undertaken by academic staff who are informed and enthused by the latest research advances in their subject. The popularity of The University of Nottingham's LLM degrees has been growing steadily since their introduction in 1987, and they are an essential part of the portfolio of courses offered by the School of Law.

The University of Nottingham has offered a Masters of Law (LLM) in International Legal Studies from its Malaysia Campus for over half a decade, and the School of Law has a long and proud tradition of training Malaysian lawyers and educating some of the country's most prominent political and commercial elite. The school has been responsible for delivering courses for the Malaysian Attorney General's department since 2005. Distinguished alumni include:

- The Sultan of Perak, DYMM Padukan Seri Sultan Azlan Muhibuddin Shah ibni Almarhum Sultan Ysusf Izzuddin GhafarallahuLahu Shah
- TYBM Tengku Ahmad Rithauddeen bin Tengku Ismail, the former Defence Minister
- Mr Christopher Leong, Managing Partner of Messrs. Chooi & Company
- Honourable Justice Dr. Prasad Sandosham Abraham, High Court Judge,
- Ms Ruth Yeo, YTL Corporation Bhd's Director of Investment

The LLM International Legal Studies is designed to provide a high-quality programme of legal education at postgraduate level whilst giving you maximum flexibility in both the subjects studied and method of delivery.

A student makes the most of the law section in the library.



# LLM International Legal Studies

KPT/JPS(KA5782)/(A5782)3/16

The LLM International Legal Studies is designed to provide a high-quality programme of legal education at postgraduate level whilst giving you maximum flexibility in both the subjects studied and method of delivery.

The course is offered as a series of week-long 'block' modules. Each module begins with an intensive six-hour session on the Sunday, followed by five three-hour long evening sessions over the week and a final six-hour class on the following Saturday. Our LLM teaching is conducted in small groups so you can have effective interaction with your teachers and be directly assisted in your learning.

A unique feature of Nottingham's postgraduate taught courses is that they are designed to appeal to graduates from a variety of disciplines – not just holders of LLB degrees. Applications from students holding degrees in related disciplines such as politics, economics, media, business studies, and so on, are encouraged. Places are awarded solely on merit.

## Course structure

The LLM is rigorous and interesting and covers a diverse range of subjects within the broad area of international law. The course is delivered in English and takes between 24 and 48 months to complete. You will be required to complete 180 credits of work: six 20-credit modules (at least one, but no more than three, per year) and a 60-credit dissertation, based on your own original research.

## Assessment

Your assessment will take various forms, but deadlines for the submission of course work are typically several months after the teaching week. During this time you may consult with the module convenor for advice and feedback. This approach is therefore ideally suited to those already in employment who wish to either up-skill or change their career direction.

## Modules

### Compulsory

- Public International Law

### Restricted

Students must take a minimum of five modules from this list.

- International Human Rights Law
- Intellectual Property – TRIPS
- WTO Law
- International and Comparative Penal Law and Human Rights
- Law of the Sea
- Commercial Conflict of Laws
- Comparative Corporate Governance

## Dissertation

## Career prospects

A high proportion of the School's students choose a legal career and progress into training for the professional qualifications. In the UK this involves taking the College of Law's Legal Practice Course (for solicitors) or the Bar Professional Training Course (for barristers).

Many other students use their undergraduate or graduate degrees as a springboard into other careers such as accountancy, investment banking, public relations, general management, civil service, local government, and management consultancy.

## Facilities

The LLM is taught at the University of Nottingham's Teaching Centre which is conveniently situated at the Chulan Tower, Jalan Conlay, in down town Kuala Lumpur.

You will also have access to the facilities at the University's main campus at Semenyih, which combines a high-quality environment with state-of-the-art facilities. Residential accommodation is available on campus and in the neighbouring vicinity, and excellent transport links provide access to KL and the surrounding region.

The outstanding teaching, learning and research facilities include:

- computer and language laboratories
- superbly well-equipped four storey library
- health centre
- dedicated study areas
- purpose-built sports complex comprising of gym, basketball, squash and tennis courts, jogging tracks and an outdoor swimming pool

## Fact file

Entry requirements	English language requirements
A first or good second class honours degree (or its international equivalent) in law or related discipline (such as International Relations).	IELTS: an overall average of 7.0 with 7.0 in writing, 6.5 in reading and 6.0 in speaking and listening
Other equivalent qualifications will be considered on a case-by-case basis.	TOEFL (iBT): 100 (no element below 21)
<b>Applicants must have graduated from an approved university</b>	PTE (Academic): 67 (minimum 67)
	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

Other equivalent qualifications will be considered on a case-by-case basis

### Fees:

Malaysian – RM46,300  
Non-Malaysian – RM46,300

*The fees quoted are per course.*

### Mode of study:

Part-time, 2-4 years

### Intakes:

February and September

### Find out more

#### School of Law

t: +6 (03) 8924 8000

e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or

[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)

w: [www.nottingham.edu.my/law](http://www.nottingham.edu.my/law)

## Scholarships

Applicants for the School's postgraduate degrees may also apply for the Faculty of Arts and Social Sciences Postgraduate Scholarship. Further information can be found online:

[www.nottingham.edu.my/artsandsocialsciencesscholarships](http://www.nottingham.edu.my/artsandsocialsciencesscholarships)





Kamilla Tleuzhanova and friend studying together in the Student Association Cafe.

# School of Modern Languages and Cultures

## About the School

The School of Modern Languages and Cultures engages with the most up-to-date, dynamic, and forward-looking studies of the workings of global, regional and local societies. Our community of researchers and teachers are of international standing and our degree programmes are renowned all over the world. The school received the top rating in the UK for teaching in an independent review of teaching quality, and we are internationally recognised for the standard of our research.

The School of Modern Languages and Cultures consists of a diverse and international body of staff. Each staff member brings their own unique set of cultural and research specialisations and experiences to the delivery of a contemporary programme with wide-ranging significance to the modern environment.

Our work explores communication in all its forms, and includes modules in Modern Languages, Cultural Studies, Media Studies (including Film, Television and Journalism), and Critical Theory. You will engage with the most up-to-date, dynamic, and forward-looking studies of the workings of global, regional and local societies.

## Research in modern languages and cultures

As convergence and digitalisation now form part of the much bigger multimedia industry, there is an increased need to make sense of the implications for society by conducting more research into the areas of communications and culture. Our research is conducted at the crossroads of media and culture, communication technology, and social change. The emerging digital and globalised world provides a focus for research, which considers a variety of media and cultural forms, ranging from the printed to the digital, from popular to high arts, from multinational to local producers, and from mainstream to alternative media and cultures.

Research in the School of Modern Languages and Cultures is directed through the centre for the Study of Communications and Cultures (CSCC). The centre enables substantive, focused research of this nature to be carried out, yielding results which will be of great benefit and consequence to academia, policy makers, and the wider society.

## Centre for the Study of Communications and Culture

The first of its kind in Malaysia, the centre aims to bring together local and international scholars to produce results that will inform wider policies. The centre was also established to fill a research void in the country and regionally in the area of communications and culture, especially at a time when the promises of information and communication technologies (ICTs), digitalisation and globalisation need to be addressed side-by-side with their inherent impacts on local cultural practices.

Researchers at the centre are dedicated to carrying out interdisciplinary research into the role and politics of communication and culture in this era of globalisation. The centre operates as an international, regional and national centre of expertise for high-quality research, and provides an intellectual network for researchers, postgraduate students and professionals in the fields of media, communication and culture. It is currently carrying out a range of collaborative research projects with scholars from a wide spectrum of countries in and around the region, including those from Australia, India, the Philippines, Singapore, Vietnam, Cambodia and Thailand.

Work within the centre addresses transformations in media and culture – as well as their transformational power in society. We seek to elucidate current developments and changes in the media and cultural industries as well as the changes in how individuals, groups, organisations and institutions use media and culture to express their identities and ideas and to advance their positions. We study these transformations in relation to a range of wider societal forces and developments. These include: the rise of the internet and other new communication technologies; the shifting relations between the global, the national and the local; and increased social diversity and individualisation.



# MPhil/PhD programmes in modern languages and cultures

MPhil: KPT/JPS(F3-102)1/16 PhD: KPT/JPS(F3-103)1/16

Our doctoral programme is offered through the Centre for the Study of Communications and Culture, providing high-quality training to postgraduate students. In-house and collaborative seminars held in co-operation with The University of Nottingham's campuses in Ningbo and the UK, and visits to the centre by eminent scholars, policy-makers and industry representatives ensure that postgraduates interact in a stimulating and supportive environment.

The centre invites applications from potential doctoral students, and as a first step, you should acquaint yourself with the expertise of our staff as outlined in this brochure and in more detail on our web site. This should give some indication of whether or not the topic you intend to propose falls within the range of interests and capacities of the centre. Please contact potential supervisors for further information or to discuss specific project topics.

## Our research covers areas including:

- the history, policies and structures of the culture industries – these encompass structural analysis, political economy and post-colonial development studies
- cultural production – identifying and evaluating what has been produced, when, by whom, and for whom
- products, formats, genres and patterns – where analyses look into imported/indigenous forms, and local/global cultures
- media and human rights – these include media and gender relations, media and minority groups, and communication rights
- international information flows – questions of imbalance, cultural and media imperialism and dependency
- comparative literature, Japanese literature, literary translation

## How to apply for MPhil/PhD

If you are interested in applying to do an MPhil or PhD in the School of Modern Languages and Cultures we would recommend that you contact us and discuss your research project proposal with the relevant supervisor in the first instance. You can then visit our applications pages to find out how to apply: [www.nottingham.edu.my/applications](http://www.nottingham.edu.my/applications)

## Fact file

Entry requirements	English language requirements
Entry requirements are at the discretion of the School but would normally be masters degree or equivalent professional experience/prior learning.	IELTS: 7.0 (no elements below 6.0)
Other equivalent qualifications will be considered on a case-by-case basis.	TOEFL (iBT): 100 (no elements below 21)
<b>Applicants must have graduated from an approved university</b>	PTE (Academic): 67 (minimum 67)
	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

**Fees:**  
Malaysian – RM33,000 per year  
Non-Malaysian – RM35,175 per year

*All fees quoted are for one-year of full-time study. Part-time students pay half the full-time fee for each year.*

**Mode of study:**  
**MPhil**  
Full-time, 1-2 years  
Part-time, 2-3 years

**PhD**  
Full-time, 2-3 years  
Part-time, 3-6 years

**Intakes:**  
All year round

**Find out more**  
**School of Modern Languages and Cultures**  
t: +6 (03) 8924 8000  
e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or [international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)  
w: [www.nottingham.edu.my/modern-languages](http://www.nottingham.edu.my/modern-languages)

# MA Cultural Studies

KPT/JPS(F3-K073)3/14

The MA in Cultural Studies provides you with an opportunity for advanced study in contemporary cultural theory, policy and practice. It will provide you with the theoretical and analytical training required to continue to a research degree or to develop professional skills relevant to working at management level in the fields of cultural policy and industry.

The course will develop your specialist knowledge of research methods and cultural policies to give you a strong methodological underpinning. This will be supplemented by specific empirical examples to increase your understanding, and will enable you to make the transition from undergraduate study to the higher level required during your masters studies. Using a thoroughly interdisciplinary approach, the course then aims to equip you with theoretical knowledge and understanding whilst developing the practical skills required by the contemporary culture industry. You will cover the range of theoretical approaches making up the contemporary intellectual vocabulary of cultural studies.

The course will also develop your awareness of the practices of cultural policy and their application to the culture industry. The course will focus on developing your ability to engage in critical evaluations of current research. It will also develop your ability to problem-solve in respect to real-world projects and case studies.

## Course structure

The full-time MA Cultural Studies course lasts 12 months and is divided into two semesters and a summer period, and you will take two modules per semester. You will then complete a dissertation over the summer to be submitted in September. If you are studying the course part-time, you can complete this within 24 or 36 months, depending on your circumstances.

## Assessment

Taught modules are assessed by a 5,000-word assignment and you must also submit a 20,000-word dissertation. To help guide you through your coursework, you will be assigned a personal tutor as well as a dissertation tutor. There are no examinations.

## Modules

**Modules available to study on this course may include:**

- Mass Media
- Cultural Policy
- Working in the Culture Industry
- Material Cultures
- Research Methods in Cultural Studies
- Postcolonialisms
- Narratives of Conflict and Resolution
- Visual Culture
- Critiques of War
- Post-structuralism and Writing

## Fact file

Entry requirements	English language requirements
A single or joint honours degree at upper second class or above (or its international equivalent) in a relevant discipline.	IELTS: 7.0 (no element below 6.0)
Other equivalent qualifications will be considered on a case-by-case basis.	TOEFL (iBT): 100 (no element below 21)
<b>Applicants must have graduated from an approved university</b>	PTE (Academic): 67 (minimum 67)
	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

**Fees:**  
Malaysian – RM42,500  
Non-Malaysian – RM46,300

**Mode of study:**  
Full-time, 1 year

**Intake:**  
September

**Find out more**  
**School of Modern Languages and Cultures**  
t: +6 (03) 8924 8000  
e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or [international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)  
w: [www.nottingham.edu.my/modern-languages](http://www.nottingham.edu.my/modern-languages)



“My course has given me the opportunity to study international politics in a truly global setting. Studying in Malaysia has really added a valuable understanding of a multicultural environment that complements my academic degree.”

Eric Silfversten / MA International Relations cohort, 2011-2012

# School of Politics, History and International Relations

## About the School

Opened in September 2010, the School of Politics, History and International Relations (PHIR) provides the University with a unique research-hub in the fields of politics, international development, international relations (IR) and history, located in one of the politically most dynamic regions of the world. The principal focus of our activity lies in the provision of graduate-level teaching, doctoral and post-doctoral research and interacting with governments, civil society bodies and international organisations located in Malaysia and the region.

In keeping with the nature of our discipline, we recruit staff from across the world. All members of staff are active researchers, pursuing cutting-edge, policy-relevant and curiosity-driven research across a broad spectrum of 'IR', politics and international history. The results of their findings are published in some of the leading journals and academic presses, and frequently help shape national debates and policy decision-making.

In our research and teaching activities we routinely draw on the resources of our associated schools in the UK, the School of Politics and International Relations and the School of History, and the Division of International Studies at The University of Nottingham Ningbo, China. This global network gives our staff and graduate students access to a team of researchers that forms one of the largest concentrations of IR and politics scholarship in the world.

The School hosts its own 'Nottingham International Affairs' seminar series in which academics and practitioners share their research findings and work experience in the areas of IR, development, politics and foreign relations. The series culminates in a prestigious annual lecture: last year delivered by the EU Ambassador to Malaysia. The school's student society, PHIR-NOTT, supplements these formal activities with its own round-table discussions, study-trips and social events. Our graduate students frequently take advantage of the range of intellectual opportunities made available in the various research institutes, embassies and international organisations located in Kuala Lumpur and the region. Many of these institutions contribute to the school's internship programmes, which provide students with real-work experience in areas of international affairs, media, politics and development.

The school has established itself as one of the premier centres for the study of politics, international relations and development in South East Asia. We provide a dynamic learning environment that offers you the opportunity to stretch and test yourself, to question assumptions and contribute to the way we understand, conceptualise and engage with global political phenomena.

## Research in politics, history and international relations

Research collaboration is promoted through The University of Nottingham's Research Priority Groups - principally the Integrating Global Society and the Science, Technology and Society groups - and through staff and student membership of our sub-discipline, tri-campus research centres:

- Institute for Asia Pacific Studies
- Centre for Conflict, Security and Terrorism
- Centre for the Study of Social and Global Justice
- Centre for the Study of European Governance

Academics and research staff in the School of Politics, History and International Relations are currently conducting research in the following areas.

- global economic integration
- terrorism and extremism in South East Asia
- global environmental policy formation
- contemporary international history
- diplomatic studies and mediation
- the politics of life
- humanitarian diplomacy
- Southeast Asia: politics, society and international relations

Research students are eligible to apply for funding to attend national and international conferences and to cover research costs, travel and other incidentals.

Eric on his laptop in the Malaysia Campus amphitheatre.



# MRes/MPhil/PhD programmes in politics, history development and international relations

MRes: KPT/JPS(F3-K028)2/16 MPhil: KPT/JPS(F3-102)1/16 PhD: KPT/JPS(F3-103)1/16

As a research student you will work under a supervisor who will assist you in your research and thesis design. Principal supervisors will normally be members of the School but secondary supervisors may be drawn from other schools in the Faculty, from staff in the School of Politics and International Relations in the UK, or the Division of International Studies in Ningbo, China.

PhD students may apply to study at one of the University's other campuses for periods of between 3-12 months. You are typically required to take a module in Research Methods and Design, and either audit or sit modules which complement your particular research interest. You are also encouraged to take courses offered by the Graduate School, and are required to attend faculty and school research seminars and the fortnightly meetings of the Early Career Research Network.

You will normally be enrolled on the MPhil degree first and then progress on to the PhD. The minimum registration period for a PhD is two years full-time, though students invariably take three years research with a further year to write up the 100,000 word thesis. Final assessment is via the written thesis and a viva voce (oral) examination. Progress is assessed on an annual basis: failure to pass the annual review will result in either a termination of the degree, or its down-grading from PhD to MPhil. MRes degrees last one year and are assessed through course work and a dissertation.

From Year 2, you may be allowed to undertake a small amount of paid work in the school, typically as a research or teaching assistant. You are also allocated funds for research, dissemination and resources costs.

## Research projects

We will encourage you to pursue your own intellectual agenda: our research activity is clustered under the following headings.

- Security and conflict resolution
- SE Asia: politics, society and IR
- Development
- Europe and the wider world
- International governance
- Global resistance

## How to apply for MRes/MPhil/PhD

Only applicants with strong academic records and a proven aptitude for research will be considered. Applicants may be invited to take the MRes first, particularly if they have no graduate qualifications in politics or a related discipline.

If you are interested in applying please contact the Director of Postgraduate Research – Associate Professor Howard Loewen – to discuss your application. He will make a preliminary judgement on whether your interests complement the school's research agenda, and then allocate a potential supervisor for your research and work with you to refine a full research proposal. This process can take up to several months.

A final decision will only be made after a full application has been received. Visit our applications pages to find out how to apply: [www.nottingham.edu.my/applications](http://www.nottingham.edu.my/applications)

## Fact file

Entry requirements	English language requirements
A masters degree in relevant subject (normally with an average over 65% in the taught modules and normally 68% in the dissertation, or its equivalent), or substantial relevant work experience.	IELTS: 7.0 (no elements below 6.0)
Other equivalent qualifications will be considered on a case-by-case basis.	TOEFL (iBT): 100 (no elements below 21)
<b>Applicants must have graduated from an approved university</b>	PTE (Academic): 67 (minimum 67)
	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

**Fees:**  
Malaysian – RM33,000 per year  
Non-Malaysian – RM35,175 per year

*All fees quoted are for one-year of full-time study. Part-time students pay half the full-time fee for each year.*

**Mode of study:**  
MRes – Full-time, 1 year; Part-time, 2 years  
MPhil – Full-time, 1-2 years; Part-time, 2-3 years  
PhD – Full-time, 2-3 years; Part-time, 3-6 years

**Intakes:**  
February and September

**Find out more**  
**School of Politics, History and International Relations**  
t: +6 (03) 8924 8000  
e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or [international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)  
w: [www.nottingham.edu.my/politics](http://www.nottingham.edu.my/politics)

# MSc International Development Management

KPT/JPS(N/313/7/0004)5/17

The MSc degree in International Development Management investigates the practical and theoretical issues around the promotion of international development. It provides the practical skills required for employment in the development sector, including how to design, implement and manage development projects.

International Development is the multidisciplinary study of how communities and states attain the economic, socio-political and other characteristics associated with development. This programme is designed to give you the opportunity to:

- develop a comprehensive multidisciplinary understanding of international development
- examine the possibilities for development in a globalising world
- understand the reasons for the persistence of global poverty and inequality and how current development paradigms contribute to poverty reduction and human development
- apply development theory to enhance development practice at the grassroots
- identify, design and implement appropriate interventions to improve development outcomes

## Career Prospects

The degree is open to applicants from any background. It equips you with the transferable skills required by most agencies working in the development sector, and therefore provides an excellent springboard if you wish to further or pursue your professional career in development agencies, aid and relief organisations, charities and NGOs, international organisations, local and national government, think-tanks, policy advice and lobbying.

## Course Structure

The course is delivered in English and is delivered in either full-time (12 months) or part-time formats. You will be required to complete 180 credit points of work over the period of your studies: 120 credit points of taught modules and a 60 credit point dissertation, based on your own original research.

A part-time, evening-class variant of the degree is taught at Nottingham's city-centre facility at the Chulan Tower, Jalan Conlay. The degree can therefore be taken by people based in KL, in full-time employment.

## Modules

### Compulsory modules

- Introduction to International Development
- Field Technologies
- Research Methods and Design
- Dissertation: International Development

### Elective modules

- Civil Society and Global Development
- Global Political Economy
- Development and Governance: Building Democracy in the Developing World
- Global Perspectives on International Relations
- The International Relations of South East Asia
- Contemporary Diplomacy
- War and Resistance in the Contemporary World
- Politics by other means: Terrorism in Contemporary South and Southeast Asia
- International Business
- Modern Languages (currently French, German, Spanish, Mandarin, Japanese, Korean)



# MA International Relations

## KPT/JPS(L250)4/16

The MA in International Relations is a well-established and internationally-recognised degree that examines new developments in international politics and international relations theory. It is The University of Nottingham's most popular postgraduate degree in the field of politics and has been run from the UK campus for two decades.

International relations (IR) studies the complex relations between and among states, societies, individuals, identities and cultures theoretically and empirically. The discipline of IR covers such areas as politics, security, economics and law. It considers some of the most burning questions of the day:

- How power and resources are allocated on the international stage?
- How, where and when is power exercised and justified, who is it exercised for, and why is it exercised in the way it is?
- And deeper questions relating to how we understand and conceptualise contemporary global transformations?

These issues are critical at the international level where the apparent monopoly of the nation state is increasingly being challenged by other actors such as international organisations, social movements, terrorist groups and multinational corporations.

Throughout the MA in International Relations you will approach the subject from a number of different perspectives: from a state-centric approach, exploring the strategic interaction of states on issues such as war, peace, conflict and cooperation; from the perspective of complex interdependence, which considers the totality of cross-border transactions; and from a 'globalisation' perspective, which focuses attention on the increasingly integrated global system of economic, social, technological and political processes.

The degree is open to students of any discipline or career Background, but is particularly popular for people working in or wishing to work in government or diplomatic service, international organisations and the media. You will benefit from the diversity of our students' experience and education, which adds to the breadth of our classroom discussions. This degree has always attracted applicants from across the world – and this has helped ensure that the issues debated are rarely arid or inconsequential, but bear directly on the lives of those in the class.

### Career prospects

Postgraduate study in international relations will equip you for careers in a wide range of fields. We currently have graduates working in:

- foreign ministries
- international organisations
- international businesses and finance
- non-governmental and aid sectors
- international media and journalism
- local and national government
- think-tanks, policy advice, lobbying
- teaching and academic research

### Course structure

The course is delivered in English and is delivered in either full-time (12 months) or part-time formats. You will be required to complete 180 credit points of work over the period of your studies: 120 credit points of taught modules and a 60 credit point dissertation, based on your own original research.

A part-time, evening-class variant of the degree is taught at Nottingham's city-centre teaching facilities at the Chulan Tower, Jalan Conlay. The degree can therefore be taken by people based in KL, in full-time employment.

### Modules

#### Compulsory modules

- Global Perspectives on International Relations
- Research Methods and Design
- Dissertation

#### Elective modules include:

- Contemporary Diplomacy
- Terrorism in South and South East Asia
- The International Relations of South East Asia
- War and Resistance in the Contemporary World
- Global Political Economy
- International Development
- Civil Society and Global Development
- Development and Governance: Building Democracy in the Developing World
- Field Technologies
- International Business
- Modern Languages (currently French, German, Japanese, Korea, Mandarin, Spanish)

## Fact file

Entry requirements	English language requirements
An upper second class honours degree (or its international equivalent); CGPA of 3.0+/4.0; 65%. Mature applicants without any standard entry requirements but with substantial and relevant experience may be considered.	IELTS: 6.5 (no element below 6.0) TOEFL (iBT): 88 (no element below 19) PTE (Academic): 62 (minimum 55)
Other equivalent qualifications will be considered on a case-by-case basis.	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>
<b>Applicants must have graduated from an approved university</b>	

#### Fees:

Malaysian – RM42,500 per year  
Non-Malaysian – RM46,300 per year

*All fees quoted are per course. The payment installment scheme will differ for full-time and part-time students.*

#### Mode of study:

Full-time, 1 year  
Part-time, 2 years

#### Intakes:

September

#### Find out more

**School of Politics, History and International Relations**  
t: +6 (03) 8924 8000  
e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)  
w: [www.nottingham.edu.my/politics](http://www.nottingham.edu.my/politics)

## Scholarships

The School is occasionally able to offer discretionary partial fee-waiver scholarships for exceptionally strong applicants whose research is considered a strategic priority for the school and university.

Applicants for the School's postgraduate taught degrees may apply for the Faculty of Arts and Social Sciences Postgraduate Scholarship. Further information can be found online: [www.nottingham.edu.my/artsandsocialsciencesscholarships](http://www.nottingham.edu.my/artsandsocialsciencesscholarships)



# Faculty of Engineering

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Department of Mechanical, Materials and Manufacturing Engineering	91

The Faculty of Engineering is recognised as being amongst the best in global higher education. We continually expand our programmes both in response to changes in society and to integrate the very latest research findings. By studying at postgraduate level with us you will not only benefit from being taught the very latest knowledge by researchers at the leading edge of their field, you will also further develop the essential skills necessary to embark on a fulfilling career as an engineer.

Laboratory technician working on concrete beam testing equipment, Malaysia Campus.



“By being able to opt from a range of modules spanning a number of civil engineering fields I can tailor my degree to suit my chosen engineering discipline.”

Nuhaa Tegally / MSc Civil Engineering

Nuhaa puts the engineering equipment to good use within our specialist facilities at the Malaysia Campus.

# Faculty of Engineering

## About the Faculty

The Faculty of Engineering offers a wide range of high-quality programmes which are well resourced both in terms of facilities and quality of the programmes offered. Taught masters programmes are available in:

- Chemical Engineering
- Electronic Communications and Computer Engineering
- Environmental Engineering
- Civil Engineering
- Mechanical Engineering

Engineering is one of the strongest faculties in The University of Nottingham with all engineering departments recognised as being amongst the best in higher education. Here at the Malaysia Campus all of our courses are taught in English and the degrees awarded are exactly the same as those in the UK.

We are committed to giving our students an unrivalled combination of quality and excellence, strength and pragmatism, enabled learning, boldness and innovation, respect and tolerance. Graduates with an engineering degree can expect to take up leading roles in well-known global companies and leading-edge organisations the world over.

It is difficult to overstate the importance of engineering in our rapidly evolving world. Engineering solutions are all around us – portable devices, clean water and healthcare products that enable us to live longer and, arguably, better lives. If we are to continue to innovate then we need the right people. People who can challenge, people who can create and most of all, people who can apply new knowledge in new products and new processes. These are just some of the things you will learn on one of our many engineering courses.

## Research in engineering

Research excellence lies at the core of the mission of The University of Nottingham, and the Malaysia Campus is strongly maintaining this mission by conducting world-changing research that is of national importance and international academic interest.

The University of Nottingham is one of the top five research-led universities in engineering in the United Kingdom (UK) and the Malaysia Campus takes an integral part in the research activities of the University. The Malaysia Campus has a significant number of research awards, intellectual property rights, technology transfers projects, and consultancy projects with the community. Many of our researchers are internationally-renowned leaders in their respective areas.

## Research divisions

Following the strategies of the UK Campus, research is organised cross-disciplinary across the various academic departments. We broke down traditional academic 'walls' to enhance multidisciplinary research and the results are the five main research divisions:

- Electrical Systems and Applied Mathematics
- Energy, Fuel and Power Technology
- Environment
- Manufacturing and Industrial Process
- Materials, Mechanics and Structures.

Each division comprises staff members from different academic departments and this creates an exciting synergy from various expertise, experience, knowledge and perspectives. This approach enables a move away from traditional demarcation and reflects modern perspective on research areas, industry needs and societal concerns.



# Electrical Systems and Applied Mathematics Division

A wide range of research is carried out in the Electrical Systems and Applied Mathematics Research Division, covering various areas including electrics, communications, machines and applied mathematics. One of our main focuses is to invent and apply state of the art technologies, intelligence, computational and mathematical algorithms to various domains to improve current systems and processes for the benefit of mankind.

The domains we are currently pursuing are in the areas of renewable energy and automotive systems. We have in-depth technical expertise and conduct research in the areas of audio-visual systems, wireless communications, optical communications, antennas, power electronics, machines and embedded systems.

Our main research groups in the division are:

- Applied Electromagnetics and Communications
- Applied Mathematics
- Intelligent Systems
- Power Electronics, Machines and Control

## Applied Electromagnetics and Communications

Research expertise within the Applied Electromagnetics and Communications Research Group includes equalisation and algorithm design and analysis, detection algorithm design and analysis, and matlab based simulations.

### Research areas

- Design and analysis of very efficient near-optimal equalisation and decoding algorithms for broadband wireless MIMO systems
- Reducing the computational complexity of TURBO codes
- Develop new detection algorithms that increase data throughput which are suitable for IEEE standards
- Design of fast convergence blind equalisation algorithms, for both single antenna as well as multiple-antenna systems

### Research themes

- Blind equalisation to eliminate the bandwidth-wasteful training sequence
- Novel combination of space-time-block-codes (STBC) and spatial multiplexing (SM) techniques to increase capacity or effective data throughput
- Simplifying TURBO decoding algorithm
- Design of novel near maximum-likelihood (ML) MIMO detection algorithms with much lower computational complexity than the optimal ML algorithm

## Applied Mathematics

The Applied Mathematics Research Group applies mathematical techniques to solve problems in various domains such as mathematics, physics and engineering. Members of our group are actively involved in research in quantum information, quantum field theory, probability and statistics, fractional calculus and asymptotic analysis.

### Research areas

- The Casimir effect
- Statistical analysis of non-parametric estimators
- The Kochen-Specker theorem
- Fractional integrations on discrete time scales

## Intelligent Systems

The common thread in the research activities of the Intelligent Systems Research Group is the use of intelligent systems for pattern recognition and machine learning in order to predict an outcome and/or decide on a suitable course of action in engineering and industrial processes. The inference engine used is the Support Vector Machine, a linear classifier with good generalisation capability.

### Research areas

- Pipeline riser defect prediction using Support Vector Machines
- SmartVehicle System to protect drivers and motor cyclists on Malaysian Roads (MOSTI)
- SVM based battery – Super-capacitor energy management system for Electric Vehicles (MOSTI)
- Detection and Prediction of Lung Cancer Using the zNose with the Support Vector Machine Classifier (MOSTI)
- Modelling and Analysis of Maglev Vertical Axis Wind Turbine

## Power Electronics, Machines and Control

### Research areas

- Power electronics
- Energy conversion systems
- Renewable energy conditioning
- Regenerative braking/supercapacitor charge storage
- Energy management
- Electric machines and drives
- FACTS and HVDC systems
- Control systems; intelligent, robust, real-time with embedded systems

# Energy, Fuel and Power Technology Division

The central theme of the Energy, Fuel, Power and Technology Research Division is the development of renewable energy and sustainable, alternative fuels through a broad range of innovative experimental and computational studies. Our research adopts a multidisciplinary approach with international and local collaborative partners.

Our work is mainly supported by the Malaysian government (e.g. Ministry of Science, Technology and Innovation (MOSTI) and the Ministry of Higher Education (MOHE)), governmental agencies and industry. We have dedicated facilities for both fundamental and applied research, as well as internationally recognised expertise within the following four research groups:

- Internal Combustion Engines
- Renewable Energy
- Fuels and Sustainability

## Internal Combustion Engines

The Internal Combustion Engines Research Group works on an array of combustion-related topics, with a particular emphasis on sustainable energy conversion technologies for ground transportation. Our strength lies in advanced computational research focussed on improving in-cylinder modelling of diesel-biodiesel combustion and emissions. Our wide-ranging computational studies are complemented by experimental research activities on biofuels production and its use in engines.

We have a number of partnerships and collaborations, including with the Malaysia Palm Oil Board, Engines Research Group at The University of Nottingham UK, Combustion Engine Group at the Politecnico di Milano in Italy, and the Department of Mechanical Engineering at the Technical University of Denmark.

### Research projects

- Development of a fundamental model of reduced reaction mechanism and fuel physical properties for the combustion simulation of palm biodiesel
- Investigation of high biodiesel fuel blend on material compatibility, fuel storage and lubricating oil in a light-duty diesel engine
- Surrogate fuel modelling using large hydrocarbons
- Heterogeneous transesterification of crude palm oil using palm oil mill flyash-based solid catalyst

## Renewable Energy

The Renewable Energy Group focusses on many types of renewable energy research, such as solar energy (including solar thermal applications and solar desalination), biofuel production and engines optimisation, biomass pyrolysis, gasification and biogas generation from biomass, small hydro/wind energy and energy storage systems for renewable energy. We have attracted a significant amount of funding from different sources.

Current partnerships and collaborations include, The SCORE project UK, Panasonic Research and Development Sdn. Bhd., INTEL corporation Malaysia, and Megaduct Sdn. Bhd.

### Research projects

- Development of thermoacoustic engine for rural areas
- Optimisation study on the SCORE engine
- Design and fabrication of a lab scale pyrolysis reactor for biomass
- Optimisation studies for low speed wind power generation in Malaysia
- Energy storage and buffering for PV applications

## Fuels and Sustainability

This Fuels and Sustainability Research Group focuses on sustainable energy solutions to address depleting fossil fuel reserves as well as emissions of greenhouse gases and other pollutants from the use of fossil fuels. We specialise in developing low carbon fuels in addition to carbon reduction and mitigation technologies.

Current partnerships and collaborations include the Ministry of Science Technology and Innovation and Niko Resources.

### Research areas

- Chemical and thermo-chemical conversions of biomass, oil and lipid to produce bio-fuel, chemical precursors, and bio-diesel
- Environment impact assessment for oil and gas well drilling relief well drilling, gas treatment plant, and gas collector network
- Well blow-out monitoring, disaster management plan, and implementation

### Research projects

- Production of biofuel from agricultural residues via fast pyrolysis process and upgrading
- Al enhanced lead acid battery rejuvenator using super-capacitors
- Experimental and modelling investigation of Malaysian biomass co-firing with coal
- Production and physico-chemical characterisation of bio-oil from the pyrolysis of Jatropha curcas wastes



# Environment Division

Sustainable development, which is the eventual goal for all human activities, is also the main aim for the Environment Research Division. Our research groups are dedicated to the development of various process and product technologies in achieving the sustainable development goal, ranging from upstream waste minimisation to downstream end of life-cycle remediation.

There are four research groups in the division:

- Urban Climate and Pollution
- Sustainable Process Integration
- Water and Waste-water Treatment
- Fuel and Sustainability

## Urban Climate and Pollution

The Urban Climate and Pollution Research Group consists of experts from various specialised fields in urban climate and pollution, which include urban climate, air pollution control, carbon fibers and pollutant removal. We have developed various research tools including computational fluid dynamics, experimental fluid mechanics and applied mathematics.

### Research areas

- Urban climate
- Air pollution
- Carbon fibres
- Pollutant removal

## Sustainable Process Integration

Process integration is a holistic approach to process design, retrofitting and operation, which emphasises the unity of the process. The Sustainable Process Integration Research Group makes use of various process integration techniques to design and optimise various process networks in a systematic approach. Research tools include process integration comprising water pinch analysis, hydrogen pinch analysis, mathematical optimisation, process synthesis and design and steady-state process simulation.

### Research areas

- Resource conservation system design (eg water, gas, solvent recovery)
- Carbon-constrained energy planning
- Biomass processing and integrated biorefineries
- Batch process optimisation
- Molecular design

## Water and Waste-Water Treatment

The Water and Waste-Water Treatment Research Group consists of experts from various specialised fields in water and waste-water treatment, which include membrane technology, biological treatment, adsorption process, cavitation technology and water analysis. Our research activities are funded by government grants, research institutions and industrial grants from local and overseas sources. The research outcomes are disseminated in various international publications and have received numerous awards as well as led to invitations for industrial collaborations.

### Research areas

- Waste-water treatment
- Anaerobic digestion
- Aerobic digestion
- Membrane separation
- Adsorption
- Boron removal
- Ultrasonic and hydrodynamic cavitation technologies

## Fuel and Sustainability

The Fuel and Sustainability Research Group looks at medium and long-term sustainable energy futures and mainly focuses on low carbon fuels and carbon reduction and mitigation technologies, as well as policies and strategies to achieve the transition to a low or zero carbon energy industry effectively and sustainably. We wish to contribute to the effort to break humankind's dependence on fossil fuels and other non-renewable, depleting resources and to protect the environment from green house gases and other harmful emissions.

### Research areas

- Carbon reduction and mitigation
- Fuel chemistry
- Fuel characterisation
- Biofuel development and production
- Sustainable materials and processes

# Manufacturing and Industrial Processes Division

Efficient product and process development and manufacturing are paramount for all the industrial activities and are the core theme of the Manufacturing and Industrial Process Research Division. Various novel technologies have emerged from the dedicated and coordinated activities of our members. We have established research projects and collaborations from various private and government agencies and much of our research has been funded by Shell, Petronas, Malaysian Palm Oil Board (MPOB), The Institute of Materials, The Project Management Institute and Ministry of Science, Technology and Innovation (MOSTI).

The research groups within the Manufacturing and Industrial Processes Research Division are:

- Food and Pharmaceutical Engineering
- Nanotechnology
- Mechatronics
- Engineering Management

## Food and Pharmaceutical Engineering

The Food and Pharmaceutical Engineering Research Group works extensively to research and develop advanced technologies for processing of food and pharmaceutical products. We have a distinctive strength in developing advanced processing technology for producing excellent quality food and pharmaceutical products which contain high amount of medicinal bio-active ingredients beneficial to human health and developing value added products from bio-origin products which are marketable in health care industry.

We are also working towards the development of unit operations such as dehydrators, fryers, extractor and scrubbers for processing foods and pharmaceutical products. Additionally, we provide professional services and consultancy to companies wishing to develop new food and pharmaceutical products, diversify product range, and processing products with new technologies that yield better product quality and minimise operating cost.

Current partnerships and collaborations include the Ministry of Higher Education, Ministry of Science, Technology and Innovation, and Ministry of Agriculture.

## Nanotechnology

The Nanotechnology Research Group is actively engaged in broad, cutting-edge research activities in nano and advanced materials for a variety of novel technological applications. We are extremely successful in attracting external funding from government as well as from private sectors and are extensively involved in establishing substantial collaborations with renowned researchers nationally and internationally. We are also actively involved in providing collaborative technical services and consultations in the area of advanced materials and manufacturing to local/international research organisations, government-linked companies (GLC) and industries. A large number of international research publications have been made from our research activities.

### Research areas

- Synthesis and functionalisation of smart nanomaterials for efficient drug delivery systems
- Nanoengineering of advanced functional materials for nanophotocatalysis and organic photovoltaic application
- Microfluidics and miniaturisation technology for aerospace and molecular biology application
- Fabrication of novel bio-scaffold and brushite materials for tissue engineering
- Utilisation of ultrasonic and hydrodynamic cavitation technology for the generation of nanopharmaceutical materials

## Mechatronics

Mechatronics reflects a professional discipline that encompasses electrical, electronic and mechanical engineering with intelligent embedded control. It draws on large array of technologies from various disciplines into one very specialised field.

### Research areas

- Electromechanical Actuation: Investigate multi-lane electromechanical applications for Aerospace industries
- Industrial Robotics: Execute the design and instrumentation of new benchmark multivariable nonlinear robotic arms
- Mobile Robots and Unmanned Flying Robots: Utilise virtual environments to find real-time solutions
- Medical Applications: Instrumentation integration in life support equipment and technologies towards minimal invasive surgery
- Welding Technology: Development of novel techniques for precision welding

## Engineering Management

### Research areas

- Project financing
- Project planning and scheduling
- Project management
- Life cycle costing
- Construction ethics
- Construction corporate social responsibility
- Construction law
- Research methodology in construction management
- Sustainable construction
- Culture in international construction
- Quality management
- Railway engineering
- Materials characterisation and failure analysis



# Materials, Mechanics and Structures Division

The Materials, Mechanics and Structures Research Division is a collaborative effort dedicated to support cutting edge research activities that cover all aspects of mechanics, materials processing, and structural engineering design. Our mission is to promote high quality multidisciplinary research, from fundamental to applications, in the areas of aerospace, biomaterials and biomechanics, computational mechanics, dynamic systems and control, geomechanics, advanced nanomaterials and polymer composites processing.

We aim to provide an ideal environment for carrying out any theoretical, computational and experimental works, which are supported by modern instrumental facilities and fast computational technologies. Most of our research projects are financially supported by the Ministry of Science, Technology and Innovation (MOSTI), Ministry of Higher Education (MOHE), Ministry of Finance (MOF) and various industrial collaborators and partners.

Research groups within the Materials, Mechanics and Structures Research Division are:

- Structural Integrity and Dynamic
- Polymer Composites
- Advanced Materials
- Bioengineering
- Geomechanics

## Advanced Materials

The Advanced Materials Research Group was established with the purpose to support and foster multidisciplinary research on advanced materials in science and engineering among the division members.

### Research areas

- Engineering of advanced nanomaterials for photocatalysis, organic photovoltaic and microelectronic application
- Design and development of microfluidic devices via miniaturisation technology for aerospace and biological assays application
- Fabrication of novel metal oxides, quantum dots and graphene nanomaterials for molecular sensing application

## Bioengineering

Bioengineering Research Group aims at the excellence of research in the areas of Tissue Engineering (TE) and Biomaterials. TE provides an advanced alternative therapy to the patients with diseased or damaged organs through regeneration of tissue. Our overall goal is to contribute to the better and healthier human lives.

We are currently focused on the development of scaffold library by means of rapid prototyping (RP) technology in combination with novel biopolymers to cater for tailored TE applications.

Research partners and collaborations include the Ministry of Higher Education, Hospital Universiti Kebangsaan Malaysia, and the MIDAS project at The University of Nottingham Malaysia Campus.

### Research themes

- Computational modelling and simulation of the scaffold design
- Fabrication and characterisation of physical scaffold
- In vitro and in vivo tissue generation
- Clinical trial for TE application

## Geomechanics

Current research in the Geomechanics Research Group focuses on development and improvement in the design and construction aspects of some common engineering works in the construction industry. Our research outputs are intended for practical civil engineers to improve their knowledge and competency in carrying out design and construction works.

### Research areas

- Ageing effects on mechanical and physical characteristics of bituminous mixtures
- Bearing and settlement behaviours of piled-rafts in soft clay
- Improving bearing capacity of circular footings using key wall
- Prediction of shaft- and base resistance factors from static maintained load tests
- 3-D finite element modeling and full scale measurements of pullout capacities on single-plate and multiple-plate discrete deadman anchors

## Polymer Composites

The Polymer Composites Research Group is formed by a dedicated team with expert knowledge in design, manufacture and performance optimisation of both polymer and advanced fibre reinforced composites. Fundamental principles are applied, and 'state-of-the-art' techniques are utilised to ensure that the properties and performance of the end products are perfectly adapted to design specifications. Our research themes combine curiosity-driven research with application-driven objectives, leading the development of advanced synthetic/natural fibre reinforced composites.

### Research areas

- Development of novel manufacturing processes
- Materials characterisation
- Optimization of performance/cost ratio in processing of thermoplastics and thermosets
- FEA and CFD modelling relate to mechanical performance and process simulation
- Crashworthiness studies of automotive vehicle
- Textile composites

## Structural Integrity and Dynamics

The Structural Integrity and Dynamics Research Group activities have a connection with the structure, its dynamics and the thermo-fluid-structure interactions. We have received funding from industrial and government organisations.

### Research areas

- Aerospace applications
- Computational mechanics
- Solid, fluid, and component analysis and testing
- Advance dynamics and vibration



A student makes the most of the extensive facilities in the Faculty of Engineering.



“I get involved in teaching, lab demonstrations and tutorials as part of my PhD. I hope to become a lecturer either at the UK Campus or Malaysia Campus.”

Tee Choun Zhi / PhD Engineering



Find out more about Choun Zhi's experience at [www.nottingham.edu.my/engineering/studentexperience](http://www.nottingham.edu.my/engineering/studentexperience)

Tee Choun Zhi gets to work in the lab as part of his PhD programme.



Scan it! To find out how to watch this video on your smartphone see page 130.

## MPhil/PhD programmes in engineering

MPhil: KPT/JPS(F3-102)1/16 PhD: KPT/JPS(F3-103)1/16

The Faculty of Engineering offers the opportunity to study for full-time and part-time MPhil and PhD degrees across each of our departments:

- Department of Chemical and Environmental Engineering
- Department of Civil Engineering
- Department of Electrical and Electronic Engineering
- Department of Mechanical, Materials and Manufacturing Engineering

By undertaking postgraduate level study, you will work towards the enhancement of a variety of skill sets including:

- methodological skills
- awareness in specialised areas
- use of information technology for research
- design and development of experimental techniques
- ability to work independently and creatively solve problems
- develop communication and presentation skills

An MPhil is also a research degree which requires the submission of a dissertation. An MPhil thesis is expected to display a good general knowledge of the field of study, and a comprehensive knowledge of some part or aspect of the field of study and a recognisable original contribution to knowledge or understanding. An MPhil degree does not usually involve an oral examination. A full-time MPhil degree is normally completed in two years.

The essence of a PhD is research, in which knowledge is extended by exploration, investigation, and contemplation. In scientific and engineering disciplines, research often implies experimentation, but research is more than mere experiments: it means interpretation and deep understanding. To be awarded a PhD, you must find new abstractions, new approaches, new algorithms, new principles, or new mechanisms. Your work must also be of a high quality that is equivalent to peers in your field.

To complete a PhD, you will present the results of your research in a formal document called a thesis or dissertation which should contain a substantial original contribution to knowledge or understanding. You will have to defend your work in an oral examination, known as a viva voce. A full-time PhD is normally completed in three years.

### How to apply for MPhil/PhD

If you are interested in applying to do an MPhil or PhD in the Faculty of Engineering we would recommend that you contact us and discuss your research project proposal with the relevant supervisor in the first instance. You can then visit our applications pages to find out how to apply:

[www.nottingham.edu.my/applications](http://www.nottingham.edu.my/applications)

### Fact file

Entry requirements	English language requirements
First class or upper second class honours degree in engineering, physics, computer science, mathematics or other related disciplines. This may be supplemented by an appropriate MSc.	IELTS: 6.0 (no elements below 5.5)
Other equivalent qualifications will be considered on a case-by-case basis.	TOEFL (iBT): 79 (no elements below 19)
<b>Applicants must have graduated from an approved university</b>	PTE (Academic): 55 (minimum 51)
	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

**Fees:**  
Malaysian – RM38,590 per year  
Non-Malaysian – RM42,445 per year

*All fees quoted are for one-year of full-time study. Part-time students pay half the full-time fee for each year.*

**Mode of study:**  
**MPhil**  
Full-time, 1-2 years  
Part-time, 2-4 years

**PhD:**  
Full-time, 3-5 years  
Part-time, 6-8 years

**Intakes:**  
All year round

**Find out more**  
**Faculty of Engineering**  
t: +6 (03) 8924 8000  
e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or [international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)  
w: [www.nottingham.edu.my/engineering/chemical](http://www.nottingham.edu.my/engineering/chemical)



# Department of Chemical and Environmental Engineering

Chemical engineering has been established at The University of Nottingham since 1961, and ranks in the top three UK institutions for research along with Cambridge and Oxford. We have a long history of collaboration with industry, and graduates gain jobs with major companies. The same programmes are available in the UK and at The University of Nottingham Malaysia Campus.

## MSc Chemical Engineering

KPT/JSP(R/524/7/0012)11/16

The MSc in Chemical Engineering is a 12-month course consisting of 3 semesters of lectures, project work, continuous assessment and examinations, followed by an individual research project, leading to the submission of an MSc dissertation. The course has been designed to assist holders of relevant degrees in science and engineering to upgrade their academic qualifications and enhance their professional standing. The syllabus covers, amongst other topics, Process Synthesis and Design, Computational Fluid Dynamics and Advanced Process Control.

### Course structure

The programme is operated on a modular basis and consists of two semesters during which you will follow a series of taught modules (60 credits per semester) followed by a research project (60 credits) undertaken during the summer period. You will be taught using the latest advances in teaching methods and electronic resources. You will carry out an individual research project from June to September.

Modules are worth 10 credits unless shown otherwise. You must choose modules worth a total of 80 credits from those listed in Autumn and Spring semesters but a minimum of 50 credits must be at Level 4. To meet IChemE's 'further learning' requirement, the choice must include at least 40 credits of specified modules (marked with \* in the module list). You must complete the either the Group Development or Design Project and Individual Research Project listed separately, leading to a total of 180 credits for the course.

If you have taken any of the modules as part of a BEng/MEng degree course at The University of Nottingham you are not allowed to take modules for a second time.

### Career opportunities

Students completing this programme have found jobs in a range of industries, including oil and gas, petrochemicals, food, environmental protection, nanotechnology, consultancy and management. The programme also aims to provide a strong foundation for further study to PhD level and pursuit of a career in research.

### Modules

#### Autumn semester

##### Compulsory

- Research planning

##### Optional

- Process Synthesis and Design\*
- Computational Fluid Dynamics\*
- Advanced Process Control\*
- Power Generation and Carbon Capture
- Advanced Rheology and Materials
- Process Simulation 1
- Nanotechnology
- Food Processing Technology
- Statistical Process Control and Quality Management
- Bridging Skills in Chemical Engineering\*\*

#### Spring semester

##### Optional

- Advanced Computational Methods\*
- Advanced Reaction Engineering\*
- Multiphase Systems\*
- Process Design Optimisation
- Chemical Product Design
- Industrial Dehydration
- Water Treatment Engineering
- Air Pollution 2
- Microfluidic Technology

#### Group Development Project (30 Credits) Or Group Design Project (30 Credits)

#### Individual Research Project (60 credits)

\* To meet IChemE's 'further learning' requirement, you must take 40 credits from these modules

\*\* Bridging Skills in Chemical Engineering is a tutorial-based module covering specific aspects of Chemical Engineering tailored to individual needs following discussions with the Course Director

## MSc Environmental Engineering

KPT/JPS(N/526/7/0025)1/18

The MSc in Environmental Engineering is aimed at students who have an interest in environmental engineering but initially undertook a more mainstream undergraduate course. It is ideal for those who wanted to specialise in environmental engineering after graduating from their undergraduate degree or after working in the environmental engineering field for a time. The syllabus covers a number of traditional subjects from which you can choose from, such as water treatment, air pollution and contaminated land. The compulsory part of the course concentrates on developing and improving research, team working and communication skills in a context relevant to environmental engineers.

### Course structure

The year-long course is made up of three semesters. The autumn and spring semesters are taught, although they also contain a group project with relevance to advanced environmental engineering. You will take a mixture of module choices from a restricted list of traditional environmental engineering subjects and from free choice options across the campus, enabling you to build your own multi-disciplinary syllabus.

You must pass the taught component, which comprises 120 credits, to progress to the final stage of the MSc project. The MSc project is worth 60 credits and occupies the entire summer semester. It is made up from a group design element and individual research elements.

### Career prospects

An increasing number of companies are hiring environmental consultants or in-house environmental experts in order to stay ahead of environmental restrictions and legislation. New projects need to be assessed from an environmental viewpoint and existing operations continuously improved to meet environmental management standards. The combination of a mainstream engineering or science degree and the MSc in Environmental Engineering will equip you to contribute to these activities from the minute you take up employment. There is a severe shortage of engineers who combine conventional engineering with a broad awareness of a range of environmental aspects. The research aspect of the course also makes a good foundation to seek employment in a research environment, either industrial or academic.

### Modules

#### Autumn semester

##### Compulsory

- Research planning
- Advanced Environmental Engineering

##### Optional

- Hazardous Waste Management
- Computational Fluid Dynamics
- Power Generation and Carbon Capture
- Contaminated Land
- Free choice\*

#### Spring semester

##### Compulsory

- Advanced Environmental Engineering

##### Optional

- Water treatment
- or
- Water Treatment Engineering
- Air Pollution
- or
- Air Pollution 2
- Advanced Environmental Assessment
- Free Choice\*

#### Summer period

MSc project

\* Students may choose modules from any other course provided it is approved by the Course Director.

## Fact file

Entry requirements	English language requirements
Other equivalent qualifications will be considered on a case-by-case basis	IELTS: 6.0 (no elements below 5.5)
<b>Applicants must have graduated from an approved university</b>	TOEFL (iBT): 79 (no elements below 19)
<b>MSc Chemical Engineering</b>	PTE (Academic):55 (minimum 51)
An upper second class (2.1) honours degree (or equivalent) in chemical engineering or a related discipline.	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>
<b>MSc Environmental Engineering</b>	
An upper second class (2.1) honours degree (or equivalent) in an engineering or science subject.	

### Fees:

Malaysian – RM44,100  
Non-Malaysian – RM47,960

### Mode of study:

Full-time, 1 year

### Intake:

September

### Find out more

**Department of Chemical and Environmental Engineering**  
t: +6 (03) 8924 8000  
e: enquiries@nottingham.edu.my (Malaysian) or international.enquiries@nottingham.edu.my (non-Malaysian)  
w: [www.nottingham.edu.my/engineering/chemical](http://www.nottingham.edu.my/engineering/chemical)



# Department of Civil Engineering

At The University of Nottingham Malaysia Campus, you will follow the same high-quality degree curriculum that has helped civil engineering at The University of Nottingham to be consistently rated among the top civil engineering schools in the UK. You will benefit from a course informed by world-leading research that ranked the Department of Civil Engineering second in England in the latest Research Assessment Exercise (RAE).

## MSc Civil Engineering

UNMC(H293)6/15

Our MSc in Civil Engineering provides a comprehensive programme of study across a range of subject areas. You may prefer to opt for a more specialised approach by choosing specific modules in the area of your interest in the first two semesters. Furthermore, you could focus your research project in the same area.

You may choose from the following subject areas.

- Geotechnical Engineering
- Structural Engineering
- Management
- Pavement Engineering
- Transportation
- Water Resources
- Environment

### Course structure

The course consists of 120 credits of core and optional taught modules along with a 60-credit major individual research-based project. Please be aware that modules are subject to change. In addition to the core modules, you will be able to choose from a number of optional modules to create a more generalised path of study for the award of MSc in Civil Engineering or to augment your degree in a specific area of interest. Following the successful completion of the taught modules, the major individual project is undertaken over the summer term.

### Modules

#### Compulsory

- Research Project Literature Review
- Research Project Organisation and Planning

#### Optional modules

- Advanced Concrete Structures
- Advanced Pavement Materials
- Computation Fluid Dynamics
- Construction Planning and Risk
- Critical State Soil Mechanics
- Finite Element Analysis in Structural Mechanics
- Natural Hazards and Environmental Fluid Mechanics
- Advanced Properties of Concrete
- Coastal and River Engineering
- Construction Management Processes
- Earthquake Engineering and Structural Dynamics
- Mathematical Techniques in PDEs for Engineers
- Traffic Engineering

#### Individual Project

### Fact file

Entry requirements	English language requirements
An upper second class honours degree (or equivalent) in civil engineering or a related discipline.	IELTS: 6.0 (no elements below 5.5)
Other equivalent qualifications will be considered on a case-by-case basis	TOEFL (iBT): 79 (no elements below 19)
<b>Applicants must have graduated from an approved university</b>	PTE (Academic): 55 (minimum 51)
	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

#### Fees:

Malaysian – RM44,100  
Non-Malaysian – RM47,960

#### Mode of study:

Full-time, 1 year

#### Intake:

September

#### Find out more

##### Department of Civil Engineering

t: +6 (03) 8924 8000

e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)

w: [www.nottingham.edu.my/engineering/civil](http://www.nottingham.edu.my/engineering/civil)

The course offers a comprehensive programme of study across a range of subject areas including geotechnical, structural and pavement engineering, management, transportation, and environment.



# Department of Electrical and Electronic Engineering

Nottingham is one of the leading universities for a degree-level education in electrical and electronic engineering. The Department of Electrical and Electronic Engineering has a long history of teaching and research. We were one of the first departments to be established at the Malaysia Campus and our academic staff – like our UK-based colleagues – have an extensive research portfolio.

## MSc Electronic Communications and Computer Engineering

KPT/JPS(F3-K051)3/16

This MSc is designed to provide instruction and training in the most recent developments in the areas of technology covering electronics, communications and computer engineering. The course aims to provide you with advanced and comprehensive coverage of specialist skills required by an engineer working in electronic instrumentation, electronic systems, telecommunications (both wireless and wired) and computer hardware and software aspects of computer engineering. The programme also provides an excellent basis for engineers wishing to update their knowledge, or students who wish to go on to do research, or to enhance their training.

The programme offers exciting opportunities for research, industrial collaboration and learning in the fast-growing field of communications and computer engineering.

### Career prospects

Excellent opportunities are available with mobile communications manufacturers, mobile communications operators, wired telecommunications companies, Internet providers, optical communications industry. The graduates also have the option of pursuing a PhD programme or working in the academic field.

### Course structure

The programme is operated on a modular basis and consists of two semesters during which you will follow a series of taught modules (120 credits), followed by a research project (60 credits) undertaken during the summer period. You will be taught using the latest advances in teaching methods and electronic resources.

If you have taken any of the modules as part of a BEng/MEng degree course at The University of Nottingham you are not allowed to take those modules for a second time.

### Modules

#### Semester 1

##### Elective modules

- Instrumentation and Measurement\*
- HDL for Programmable Logic with Project
- Electronic Design
- Solid State Devices
- Digital Communications
- Power Electronic Design
- Control Systems Design
- Software Engineering Design
- Embedded Computing

#### Semester 2

##### Elective modules

- Digital Signal Processing for Telecommunications, Multimedia and Instrumentation with Project
- RF Microelectronics\*
- Mobile Communications\*
- VLSI Design
- Telecommunication Electronics
- Web-based Computing
- Microwave Communications

#### Semester 3

##### Research Project

\*These modules can be taken with or without a project.

### Fact file

Entry requirements	English language requirements
A second class honours degree (or equivalent) in electronic/communications/computer engineering or a related discipline.	IELTS: 6.0 (no elements below 5.5)
Other equivalent qualifications will be considered on a case-by-case basis	TOEFL (iBT): 79 (no elements below 19)
<b>Applicants must have graduated from an approved university</b>	PTE (Academic): 55 (minimum 51)
	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

#### Fees:

Malaysian – RM44,100  
Non-Malaysian – RM47,960

#### Mode of study:

Full-time, 1 year

#### Intake:

September

#### Find out more

**Department of Electrical and Electronic Engineering**  
t: +6 (03) 8924 8000  
e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)  
w: [www.nottingham.edu.my/engineering/electrical](http://www.nottingham.edu.my/engineering/electrical)

The course will provide you with the specialist skills required by an engineer working in electronic instrumentation, electronic systems, telecommunications and the computer hardware and software aspects of computer engineering.



# Department of Mechanical, Materials and Manufacturing Engineering

The Department of Mechanical, Materials and Manufacturing Engineering is one of the leading departments of its kind in the world, and is ranked fourth in the UK's latest Research Assessment Exercise (RAE) for the quality of its research.

Our close industry links ensure that our teaching and research have both relevance and meaning, and our mechanical engineering courses offer the same high-quality education and excellent career opportunities as they do in the UK.

## MSc Mechanical Engineering

KPT/JPS(H303)6/15

Mechanical engineers apply their scientific knowledge to solve challenging problems and design machines that help us to improve people's lives. As a mechanical Engineer, you may work in design, development, research, consultancy, manufacture or marketing, combining technical and managerial experience. This MSc course offers you the opportunity to study advanced topics in Mechanical Engineering, covering engineering science, design and technology. From a broad base, it builds on our key research and academic strengths and concludes with an individual project.

You will develop the skills to able to solve problems using both logic and creative/innovative approaches, excellent numerate, computer and analytical skills, the ability to plan, prioritise and work to deadlines under pressure, and the ability to communicate with others.

### Course structure

This is a full-time masters degree course which consists of 60 credits of core, and 60 credits of optional taught modules along with a 60-credit summer individual project often linked with industrially-sponsored research.

Projects include:

- experimental analyses
- design oriented studies
- development of mathematical or computational models

You will study compulsory modules such as Integrated Systems Analysis, Process of Engineering Alloys, Advanced Dynamics of Machines as well as Advanced Technology Review – where you will learn about the latest, cutting-edge developments in engineering from our world-leading research groups. You will also be able to choose from a number of optional modules to allow you to focus your studies for the award of MSc in Mechanical Engineering.

### Modules

#### Compulsory

- Advanced Dynamics of Machines
- Process of Engineering Alloys
- Integrated Systems Analysis
- Advanced Technology Review
- Research Planning

#### Optional modules

- Conservation and Recycling of Materials
- Aircraft Propulsion System
- Computational Fluid Dynamics
- Internal Combustion Engines
- Finite Element Analysis in Structural Mechanics
- Aerodynamics
- Multiphase Systems
- Introduction to Automotive Technology
- Lean Manufacturing
- Rapid Product Development
- Mathematical Techniques in PDEs for Engineers
- Robotics and Automation Technology
- Control and Instrumentation
- Project Management

#### Advanced Mechanical Engineering Project

### Fact file

Entry requirements	English language requirements
An upper second class honours degree (or equivalent) in mechanical engineering or a related discipline.	IELTS: 6.0 (no elements below 5.5)
Other equivalent qualifications will be considered on a case-by-case basis	TOEFL (iBT): 79 (no elements below 19)
<b>Applicants must have graduated from an approved university</b>	PTE (Academic): 55 (minimum 51)
	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

#### Fees:

Malaysian – RM44,100  
Non-Malaysian – RM47,960

#### Mode of study:

Full-time, 1 year

#### Intake:

September

#### Find out more

**Department of Mechanical, Materials and Manufacturing Engineering**

t: +6 (03) 8924 8000

e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or

[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)

w: [www.nottingham.edu.my/engineering/mechanical](http://www.nottingham.edu.my/engineering/mechanical)

Our close industry links ensure that our teaching and research have both relevance and meaning, and our mechanical engineering courses offer the same high-quality education and career opportunities as they do in the UK.



# Faculty of Science

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Nottingham is ranked in the top one percent of universities worldwide and we enjoy a privileged position in the elite world top 100. The Faculty of Science has a tremendous reputation internationally for innovative, world-leading research. We are a Nobel Prize winning faculty thanks to the brilliant research of Sir Peter Mansfield. His ground-breaking work in inventing MRI was duly recognised in 2003 with the award of the Nobel Prize. We have outstanding staff, world-class facilities and a superb study environment: Nottingham is the ideal place for your graduate studies.

Biosciences students researching the shelf life of fruit and how to preserve fruit longer.



**“I would like to go into the academic field after my PhD. I think I am suited to a teaching environment and I have gained experience in teaching as part of my PhD.”**

**Loong Bi Juin / PhD**



Find out more about Bi Juin's experience at  
[www.nottingham.edu.my/biomedical/studentexperience](http://www.nottingham.edu.my/biomedical/studentexperience)

Bi Juin undertaking practical experiments as part of her PhD research.



Scan it! To find out how to watch this video on your smartphone see page 130.

# School of Biomedical Sciences

## About the School

The dynamic world of biomedical sciences underpins much of modern healthcare. As illnesses and treatments become more sophisticated, so too does the need for more advanced understanding of the human body and the effects drugs and diseases have on it.

The School of Biomedical Sciences has a reputation for powerful, research-informed teaching. You are taught by scientists who have vast experience in their field of expertise, providing you with valuable scientific knowledge and practical skills for use in the future. In the last UK Research Assessment Exercise the majority of our research was rated as internationally significant, with many areas classed as world leading. Nottingham's School of Biomedical Sciences was also rated as excellent for its teaching by the UK's Quality Assurance Agency.

## Research in biomedical sciences

The School of Biomedical Sciences is a fantastic place to build an independent scientific career. Our research areas include drug discovery, clinical pharmacology, and healthcare delivery systems. In drug discovery, we are interested in the characterisation of active compounds from natural plant products as potential anticancer agents, immune system boosters, antimicrobial and therapeutic agents for bladder dysfunction. Our research in healthcare delivery systems looks at the adaptability of innovative approaches and models in assisting healthcare delivery in resource-limited settings.

We also house the Rainforest (tropical) Plants Research Group which has members from the Schools of Biomedical Sciences, Pharmacy and Biosciences. Our goals are to discover, identify and develop potentially useful plant metabolites as new therapeutic agents, in addition to developing and hosting a database on chemical structures derived from rainforest and other local plant species discovered by the University.

The School of Biomedical Sciences is a fantastic place to build an independent scientific career. Our research areas include drug discovery, clinical pharmacology, and healthcare delivery systems.



# MPhil/PhD in biomedical sciences

MPhil: KPT/JPS(F3-102)1/16 PhD: KPT/JPS(F3-103)1/16

If you are interested in doing an MPhil or PhD with the School of Biomedical Sciences, we offer a range of research themes in the areas of drug discovery and healthcare delivery systems.

## Drug discovery

The Malaysian rainforest, with its vast diversity, renders itself as an excellent source for the provision of natural plant products that can be investigated as potential therapeutic agents. Within drug discovery, we are interested in natural plant products as potential:

- antimicrobial agents
- anticancer agents
- immunostimulating agents
- therapeutic agents for bladder dysfunction

## Healthcare delivery systems

In the area of healthcare delivery systems, we extract innovative models and approaches from across sectors to alleviate health challenges in resource-limited low-income countries.

## How to apply for MPhil/PhD

If you are interested in applying for an MPhil or PhD in the School of Biomedical Sciences we would recommend that you contact us and discuss your research project proposal with the relevant supervisor in the first instance. You can then visit our applications pages to find out how to apply:

[www.nottingham.edu.my/applications](http://www.nottingham.edu.my/applications)

## Fact file

Entry requirements	English language requirements
First class or upper second class honours degree (or equivalent) in biomedical sciences, pharmacology, pharmacy or a related scientific discipline. This may also be complemented with an MSc in a relevant scientific discipline.  Other equivalent qualifications will be considered on a case-by-case basis.  <b>Applicants must have graduated from an approved university</b>	IELTS: 6.5 (no elements below 6.0)  TOEFL (iBT): 88 (no elements below 19)  PTE (Academic): 62 (minimum 55)  <i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

## Fees:

### Molecular

Malaysian: RM60,900 per year

Non-Malaysian: RM60,900 per year

### Non-molecular

Malaysian: RM44,100 per year

Non-Malaysian: RM47,960 per year

*All fees quoted are for one-year of full-time study. Part-time students pay half the full-time fee for each year.*

## Mode of study:

### MPhil

Full-time, 1-2 years

Part-time, 2-3 years

### PhD

Full-time, 3 years

Part-time, 3-6 years

## Intakes:

All year round

## Find out more

### School of Biomedical Sciences

t: +6 (03) 8924 8000

e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)

w: [www.nottingham.edu.my/biomedicalsciences](http://www.nottingham.edu.my/biomedicalsciences)



Catching up on studies outside Central Cafe.



**“I chose to study crop biotechnology because I want to contribute to solving global food security issues and contribute to better living via production of better crop varieties and vaccines and bio-pharmaceutical products that will make the world a better place.”**

**Samson Baranzan / MSc Crop Biotechnology and Entrepreneurship**



Find out more about Samson's experience at  
[www.nottingham.edu.my/biosciences/studentexperience](http://www.nottingham.edu.my/biosciences/studentexperience)

Samson's research and technology transfer projects benefit from access to state-of-the-art facilities, aligned with our leading-edge Global Food Security research priority.



Scan it! To find out how to watch this video on your smartphone see page 130.

# School of Biosciences

## About the School

The School of Biosciences at The University of Nottingham Malaysia Campus enjoys close teaching and research links with the school in the UK. Alongside a commitment to innovative teaching, the School of Biosciences is an internationally recognised leader in several fields, including plant and food production, food quality and safety, nutrition, and environmental protection. The latest UK Research Assessment Exercise confirmed the school's top position in our research areas.

At the Malaysia Campus our portfolio is rapidly expanding with new environmental science programmes and research exploring the use of underutilised plants. Our presence in Malaysia is enabling us to conduct major research projects into the uses of tropical plants.

## Research in biosciences

Within the School of Biosciences research activities are focused on biotechnology for the improvement of plants and crops for food, non-food and medicinal uses. We also believe that industry-academic collaboration is important because it provides facilities for high-profile biotechnology research for students and also links students directly to potential employers. We currently have an industrial partnership with Applied Agricultural Resources – an internationally recognised premier centre in plantation crop research – in which we are researching oil palm, with a focus on genetic improvement through modern molecular techniques. This collaboration has resulted in a new, state-of-the-art biotechnology research centre alongside the Malaysia Campus.

We have also recently opened the Centre of Post-harvest Biotechnology in conjunction with biosciences staff in the UK. The centre was established to facilitate research in our key priority area of Global Food Security.

Our research focuses on the development of biotechnology for the production, improvement and conservation of plants and their products for mankind's needs. We use traditional and molecular approaches in plant/crop improvement programmes for economic crops such as oil palm, and for underutilised and novel crops, which have potential to augment food supplies and to provide additional revenue in developing countries.

Alongside a commitment to innovative teaching, the School of Biosciences is an internationally recognised leader in several fields, including plant and food production, food quality and safety, nutrition, and environmental protection.



# MPhil/PhD programmes in biosciences

MPhil: KPT/JPS(F3-102)1/16 PhD: KPT/JPS(F3-103)1/16

If you study an MPhil or PhD with the School of Biosciences you will have access to top quality supervision and rigorous research training whilst also benefiting from close interaction with our school in the UK, enabling you to tap into field-leading expertise and first-class facilities at both campuses.

We are particularly interested in research projects in the following themes.

- Underutilised crops
- Use of molecular markers to increase the efficiency and effectiveness of genetic improvement in tropical crops
- Plant-pathogen interactions
- Fungal genetics
- Food microbiology
- Biological control of crop pests and diseases
- Mass production of selected local plants using tissue culture technology
- Control and expression of morphogenesis in the cloning of plants
- Post-harvest physiology/technology
- Horticulture

- Sustainable crops
- Development of vaccines in plant systems
- Plant transformation
- Molecular approaches to understand the genetics of agronomic traits in crop plants
- Molecular genetic analysis and its application in crop improvement programmes
- Studies on potential anticancer, bactericidal and immunomodulating properties of plant extracts
- Development of combinatory anticancer treatment using cancer gene therapy and plant extracts
- Nutritional and functional characteristics of tropical plants

## How to apply for MPhil/PhD

If you are interested in applying to do an MPhil or PhD in the School of Biosciences we would recommend that you contact us and discuss your research project proposal with the relevant supervisor in the first instance. You can then visit our applications pages to find out how to apply:

[www.nottingham.edu.my/applications](http://www.nottingham.edu.my/applications)

## Fact file

Entry requirements	English language requirements
First class or upper second class honours degree (or equivalent) or MSc in an agricultural, biological or other relevant science.	IELTS: 6.5 (no elements below 6.0)
Other equivalent qualifications will be considered on a case-by-case basis.	TOEFL (iBT): 88 (no elements below 19)
<b>Applicants must have graduated from an approved university</b>	PTE (Academic): 62 (minimum 55)
	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

### Fees:

#### Molecular

Malaysian – RM60,900 per year  
Non-Malaysian – RM60,900 per year

#### Non-molecular

Malaysian – RM44,100 per year  
Non-Malaysian – RM47,960 per year

*All fees quoted are for one-year of full-time study. Part-time students pay half the full-time fee for each year.*

### Mode of study:

#### MPhil

Full-time, 1-2 year  
Part-time, 2-3 years

#### PhD

Full-time, 3 years  
Part-time, 3-6 years

### Intakes:

All year round

### Find out more

#### School of Biosciences

t: +6 (03) 8924 8000  
e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)  
w: [www.nottingham.edu.my/biosciences](http://www.nottingham.edu.my/biosciences)

# MSc/PGDip/PGCert Crop Biotechnology

MSc: KPT/JPS(R/545/7/0017)9/17 PGDip: KPT/JPS(F3-K042)9/12  
PGCert: KPT/JPS(F3-K043)9/12

Our MSc Crop Biotechnology explores the application and future potential of plant biotechnology in crop production systems. It will provide you with an advanced knowledge and comprehensive understanding of the theoretical, practical and transferable skills of crop biotechnology and allied biotechnologies.

The MSc offers the exciting opportunity to study at advanced level in an internationally important and rapidly advancing area which offers prestigious career opportunities for well qualified graduates. We also offer the crop biotechnology programme at postgraduate diploma and postgraduate certificate level.

The MSc Crop Biotechnology is designed to encourage you to learn the practical aspects of biotechnology companies, research stations, plantations and other relevant institutions. It will provide you with an advanced knowledge and comprehensive understanding of the theoretical, practical and transferrable skills of crop biotechnology and allied biotechnologies, placing you in an excellent position to undertake research or develop a leading career in the fields of crop biotechnology, genome research and related agro-industries.

## Career prospects

Completion of the MSc Crop Biotechnology leads to a wide range of career and employment opportunities in biotechnology and agro-industry. Career opportunities include research scientists in institutes and biotechnology companies; lecturers and teachers; laboratory officers; data management (pharmaceuticals); administrative positions; technical and sales positions in biotechnology or agro-industry; as well as science writers.

## Course structure

The MSc in Crop Biotechnology course can be completed either one year full-time or two years part-time and is comprised of taught modules and a research project. In a full-time course, you will take 60 credits of modules each semester and then undertake a laboratory or field-based research project in the third semester.

## Modules

### Semester one

- Plant Genetic Manipulation: Practical Techniques
- Fundamental and Applied Aspects of Plant Genetic Manipulation
- Principles of Crop Science
- Statistics and Experimental Design for Bioscientists
- Genomics
- Current Issues in Crop Biotechnology

### Semester two

- Crop Protection
- Tropical Crops
- Genetic Improvement of Crop Plants
- Crop Research Techniques
- Crop Biotechnology

### Semester three

- Research Project: Crop Biotechnology

### Optional modules

- Molecular Plant Pathology
- Plant Cell Signaling
- Sex, Flower and Biotechnology



# MSc Crop Biotechnology and Entrepreneurship

UNMC(D408)6/15

The new knowledge-driven economy needs people with technical knowledge and also the skills to commercialise cutting-edge research. Our MSc Crop Biotechnology and Entrepreneurship, taught in conjunction with the Nottingham University Business School, provides an exciting opportunity for you to learn about the latest developments in crop biotechnology and gain the business skills and training needed to pursue careers in a crop biotechnology business environment.

## Career prospects

Completion of the MSc Crop Biotechnology and Entrepreneurship leads to a wide range of career and employment opportunities in biotechnology, business and biotechnology-business interface. Some graduates continue their studies for a higher degree whilst others may take the exciting opportunity to set up their own business venture.

## Course structure

The MSc Crop Biotechnology and Entrepreneurship can be completed either in one year full-time or two years part-time and is comprised of taught modules and a research project. The programme requires you to take 60 credits of modules in crop biotechnology and 60 credits of business modules to gain a strong balance of subject-specific and business-related skills. You then undertake a 60-credit technology transfer project, where you apply your new business skills to the commercialisation of a biotechnology opportunity.

In addition to the specific training and skills acquisition, the course is designed to give you personal and professional skills transferable to any workplace.

## Modules

### Semester one

- Plant Genetic Manipulation: Practical Techniques
- Fundamental and Applied Aspects of Plant Genetic Manipulation
- Project Management
- Creative Problem Solving
- Finance and Accounting
- Genomics

### Semester two

- Marketing for Entrepreneurs
- Innovation Management
- Science Technology Arts and Business
- Genetic Improvement of Crop Plants
- Crop Biotechnology

### Semester three

- Crop Biotechnology Technology Transfer Project

### Optional modules

- Molecular Plant Pathology
- Plant Cell Signaling
- Sex, Flower, Biotechnology

Our MSc in Crop Biotechnology and Entrepreneurship provides an exciting opportunity for you to learn about the latest developments in crop biotechnology and gain the business skills needed to pursue careers in a crop biotechnology business environment.

## Fact file

Entry requirements	English language requirements
<b>MSc/PGDip/PGCert Crop Biotechnology</b>	
A minimum of second class honours degree in an agricultural, biological or other relevant science. Relevant workplace experience may in some circumstances be considered.	<p>IELTS:6.0 (no element below 5.5)</p> <p>TOEFL (iBT): 79 (minimum 17 in writing and listening, 18 in reading, 20 in speaking)</p> <p>PTE (Academic): 55 (minimum 51)</p> <p><i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i></p>
<b>MSc Crop Biotechnology and Entrepreneurship</b>	
An upper second class honours degree (or equivalent) in a relevant subject, such as biology, biotechnology and crop science. Relevant workplace experiences may in some circumstances be considered.	<p>IELTS: 6.5 (no element below 6.0)</p> <p>TOEFL (iBT):87 (minimum 20 in speaking and 19 in other elements)</p> <p>PTE (Academic): 62 (minimum 55)</p> <p><i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i></p>

Applicants must have graduated from an approved university

### Fees:

MSc  
Malaysian – RM44,100  
Non-Malaysian – RM47,960

PGDip Crop Biotechnology  
Malaysian – RM29,400  
Non-Malaysian – RM31,975

PGCert Crop Biotechnology  
Malaysian – RM14,700  
Non-Malaysian – RM15,985

All fees quoted are per course. The payment installment scheme will differ for full-time and part-time students.

### Mode of study:

Full-time, 1 year  
Part-time, 2 years

### Intakes:

September

### Find out more

School of Biosciences

t: +6 (03) 8924 8000

e: enquiries@nottingham.edu.my (Malaysian) or

international.enquiries@nottingham.edu.my (non-Malaysian)

w: [www.nottingham.edu.my/biosciences](http://www.nottingham.edu.my/biosciences)



**“If it wasn’t for my research in complex biological systems I would never have been exposed to such massive computing power.”**

**Lee Jung Ren / MPhil in Computer Science**

Jung Ren focuses on his latest assignment within a computer lab at the Malaysia Campus.

# School of Computer Science

## About the School

Computer Science has the distinction of being a scientific discipline that has engendered some of the most profound and far-reaching social and economic changes since its inception in the early 1950s. What’s more, it is a discipline whose pace of development is accelerating as we become more reliant on computers in our day-to-day lives. It is hard to think of an area of human endeavour in which computers don’t now play an integral role.

Computing professionals are the architects of this new information age. The advancement and proliferation of affordable high-tech devices has created an environment rife with both challenges and opportunities. With these challenges come great opportunities; opportunities waiting to be exploited by highly-trained computer science graduates. Our degrees in computer science and software engineering produce highly employable graduates and provide the basis for rewarding and lucrative careers.

The School of Computer Science undertakes world-class research, and our teaching staff at the Malaysia Campus consist of both local and international academics. Our research was ranked in the top 10 per cent of UK Institutions in the latest Research Assessment Exercise (RAE), with 80 per cent of our research activity rated as world class or internationally leading.

## Research in computer science

The main focus of our research lies in the development of various intelligent systems and computational techniques with applications to a wide range of real-world problems. Our multidisciplinary research includes areas in human-computer interaction, computer vision, simulation and modelling, operational research and computational intelligence.

The research conducted within the School is generally encapsulated by the aims and scope of the Centre for Intelligent Computing (CIC), which is linked to several University-wide priority areas. CIC complements the four research themes pursued at the UK Campus, but also takes full advantage of the specific research expertise of staff involved in cross-campus co-supervision of research projects.

Our multidisciplinary research includes areas in human-computer interaction, computer vision, simulation and modelling, operational research and computational intelligence.



# MPhil/PhD programmes in computer science

MPhil: KPT/JPS(F3-102)1/16 PhD: KPT/JPS(F3-103)1/16

The School offers both an MPhil and a PhD in computer science. The MPhil is a shorter two year programme, whilst the PhD is usually three years full-time. Students who successfully complete their MPhil may continue onto PhD level if they so choose.

Most research programmes are based on the research interests of the staff members within the School. However, if you are privately funded and wish to pursue research in alternative areas we can give you the opportunity to consider projects in other areas.

Particular research areas of interest are:

- computer vision
- evolutionary computation
- hypermedia
- machine learning
- neural computation
- operational research
- agent-based systems

All new postgraduates who join the school have the opportunity of broadening and updating their knowledge. A taught programme of research and transferable skills will be available to you, and you may be able to attend lecture programmes on subjects relevant to your research. All postgraduate students are encouraged to present their work at specialised conferences and to publish papers in major scientific and engineering journals.

## How to apply for MPhil/PhD

If you are interested in applying to do an MPhil or PhD in the School of Computer Science we would recommend that you contact us and discuss your research project proposal with the relevant supervisor in the first instance. You can then visit our applications pages to find out how to apply:

[www.nottingham.edu.my/applications](http://www.nottingham.edu.my/applications)

## Fact file

Entry requirements	English language requirements
<p>First class or upper second honours degree (or equivalent) in computer science, mathematics, or another relevant discipline. This may be supplemented by an appropriate MSc.</p> <p>Other equivalent qualifications will be considered on a case-by-case basis.</p> <p><b>Applicants must have graduated from an approved university</b></p>	<p>IELTS: 6.0 (no elements below 5.5)</p> <p>TOEFL (iBT): 79 (no elements below 19)</p> <p>PTE (Academic): 55 (minimum 51)</p> <p><i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i></p>

**Fees:**  
Malaysian – RM38,590 per year  
Non-Malaysian – RM42,445 per year

*All fees quoted are for one-year of full-time study. Part-time students pay half the full-time fee for each year.*

**Mode of study:**  
**MPhil**  
Full-time, 2 years  
Part-time, 4 years

**PhD**  
Full-time, 3 years  
Part-time, 6 years

**Intake:**  
All year round

**Find out more**  
**School of Computer Science**  
t: +6 (03) 8924 8000  
e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)  
w: [www.nottingham.edu.my/computerscience](http://www.nottingham.edu.my/computerscience)

# MSc Computer Science and Entrepreneurship

KPT/JPS(F3-K077)(G402)5/14

The MSc in Computer Science and Entrepreneurship is an exciting programme that encourages you to enhance your professional practice while developing skills to explore the commercial possibilities of computing technologies. It is taught by a team of entrepreneurship experts and computer scientists with significant industrial experience and offers a unique opportunity to benefit from the practical experience of staff.

The course aims to develop confidence and understanding in the field of entrepreneurship applied to technology, and areas of study include software engineering, data structures, new media design, interface design, and business skills. The acquired skill set prepares graduates to commercialise computing ideas and systems and to create an increased culture of entrepreneurship in information technology.

The MSc in Computer Science and Entrepreneurship is administered by the School of Computer Science, and half of the modules are offered by the Nottingham University Business School.

## Career prospects

This course is ideal if you wish to pursue a dynamic career combining computing and commercial skills, particularly at the business-academic interface, exploring the commercial potential of research. It will also provide you with an excellent foundation for doctoral studies.

## Course structure

The course comprises of a combination of compulsory and optional modules, which cover two distinct areas: business and marketing, and computing technologies. Your work will be assessed using a variety of methods including coursework, group and individual reports, written and online exams, and presentations.

You will also undertake a collaborative entrepreneurship project of 15,000–20,000 words, based on a real commercial problem working with external partners and other students.

## Modules

### Compulsory

- Software Engineering
- Creative Problem Solving
- Finance and Accounting
- Marketing for Entrepreneurs
- Innovation Management
- Science Technology Arts and Business
- Introduction to Human Computer Interaction
- Project Management

### Plus four modules from

- Computer Vision
- New Media Design
- Advanced Computer Communications
- Operations Research and Modelling
- Advanced Data Structures
- Methods for Understanding Users in Computer Science
- Simulation for Computer Scientists

## Dissertation



# MSc Information Technology

KPT/JPS(G507)/5/16

The MSc Information Technology provides an in-depth technical overview of IT, and offers training to prepare you for a wide range of careers as technologists in the IT and telecommunications sector. The flexible structure of the course lends itself equally to those with a strong background in programming as well as candidates from the fields of science and engineering with little or no experience in computing. It is designed to make science and engineering graduates more employable as information technologists.

The course offers an overview of the field of IT including networks and the internet, databases, artificial intelligence, computer security, multimedia, computer graphics, human factors, and user interface design, while allowing you to focus on specific skills like programming and software engineering.

## Career prospects

The course will prepare you for careers in a wide range of technical disciplines including: programming; software engineering; network management; artificial intelligence and multimedia. It is also an excellent foundation for doctoral studies.

## Course structure

The first semester is shared with the MSc Management of Information Technology so that at the end of the first semester you can transfer to this related course if it is more in keeping with your interests and strengths. It is taught using a variety of methods including lectures, practical sessions and seminars and comprises a combination of compulsory and optional modules, which can be combined to suit your previous experience of computing and programming. The modules are split into two groups - Group 1 and 2. The modules in Group 1 are intended for students with very limited background in computer science. They are compulsory for those students who have not studied these disciplines in their first degree. They are not available to students who have studied these disciplines previously. The modules in Group 2 are intended for students with a strong background in computer science. They are compulsory for those students who have studied the disciplines covered by the modules in Group 1 previously. Students may take modules from Group 3 provided that they satisfy the pre-and co-requisite requirements for the module.

## Assessment

Your work will be assessed using a variety of methods including coursework, group and individual reports, written and online exams, and presentations.

## Modules

### Autumn semester

#### All students

- Introduction to Human Computer Interaction

#### Group 1

- Database Systems
- Introduction to Network Communications
- Programming

#### Group 2

- Application Programming
- Introduction to Image Processing
- System and Network Administration
- Computers in the World

#### Group 3

- Advanced Data Structures
- Operations Research Modelling

### Spring semester

#### All Students

- Object Oriented Systems
- Software Engineering

#### Group 2

- Web Programming and Scripting
- Computer Security
- New Media Design
- Methods for Understanding Users in Computer Science
- Software Project Management

#### Group 3

- Introduction to Artificial Intelligence
- Enterprise Level Computing
- Advanced Computer Communications
- Simulation for Computer Scientists

### Summer period

- Project in Information Technology

# MSc Management of Information Technology

KPT/JPS(G565)/16

The MSc Management of Information Technology is a complementary course to the MSc in Information Technology. While the MSc in IT trains future technical experts, the MSc Management of IT trains future IT managers who will work in various sectors of business or industry.

The course provides an understanding of the technical, organisational and economic issues involved in the management of IT resources, preparing you for a career in predominantly technical environments with IT specialists. You will receive an overview of networks; the internet; databases; human factors and software development, whilst making in-depth studies of the management and applications of IT in business and industry as well as software project management.

The course is suitable for students with a good first degree in any subject – prior experience of IT is not essential. However, because you can tailor your choice of modules to suit your skills, strengths and interests, it is also appropriate for those with a strong background in computer science who would like to gain a more applied managerial perspective.

## Career prospects

The course will prepare you for a career as an IT manager within a range of business and industry sectors. It is also an excellent foundation for doctoral studies.

## Course structure

The first semester is shared with the MSc Information Technology so that at the end of the first semester you can transfer to this related course if it is more in keeping with your interests and strengths. It is taught using a variety of methods including lectures, practical sessions and seminars and comprises a combination of compulsory and optional modules, which cover two distinct areas: computing technologies and business management.

If you do not have a strong programming background you must take either Introduction to Computer Programming or Programming. You must take all modules in Group 2 unless you have previously studied equivalent material. If you have previously studied material covered by Groups 1 and 2 you must take at least a corresponding number of credits from Group 3.

## Assessment

Your work will be assessed using a variety of methods including coursework, group and individual reports, written and online exams, and presentations.

## Modules

### Autumn semester

#### All students

- Introduction to Human Computer Interaction

#### Group 1

- Introduction to Computer Programming

#### Group 1R

- Database Systems
- Introduction to Network Communications

#### Group 2

- Programming

#### Group 2R

- Computers in the World
- System and Network Administration
- Introduction to Image Processing

#### Group 3

- Advanced Data Structures

#### Group 3R

- Computer Vision
- Operations Research and Modelling

#### Group 4

- Application Programming

### Spring semester

#### All students

- Management of IT
- Software Project Management

#### Group 2R

- Methods for Understanding Users in Computer Science
- Computer Security
- New Media Design

#### Group 3R

- Web Programming and Scripting
- Introduction to Artificial Intelligence
- Enterprise Level Computing
- Advanced Computer Communications
- Simulations for Computer Scientists

### Summer period

- Project in the Management of Information Technology



## Fact file

Entry requirements	English language requirements
<b>MSc Computer Science and Entrepreneurship</b>	
An upper second class honours degree (or equivalent) in computer science or related discipline with a good foundation in programming.	IELTS: 6.5 (no elements below 6.0) TOEFL (iBT): 88 (no elements below 19) PTE (Academic): 62 (minimum 55) <i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>
<b>MSc Information Technology</b>	
A lower second class honours degree (or equivalent) in a science or engineering discipline.	IELTS: 6.0 (no elements below 5.5) TOEFL (iBT): 79 (no elements below 19)
<b>MSc Management and Information Technology</b>	
A lower second class honours degree (or equivalent). Significant relevant industrial experience may be considered.	PTE (Academic): 55 (minimum 51) <i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

Applicants must have graduated from an approved university

**Fees:**  
 Malaysian – RM44,100  
 Non-Malaysian – RM47,960

**Mode of study:**  
 Full-time, 1 year

**Intake:**  
 September

**Find out more**  
**School of Computer Science**  
 t: +6 (03) 8924 8000  
 e: enquiries@nottingham.edu.my (Malaysian) or  
 international.enquiries@nottingham.edu.my (non-Malaysian)  
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Green spaces offer relaxed areas to study within faculty buildings.



**“Issues around the environment are a major global concern on many levels. We are being prepared to deal with these concerns in real life from different perspectives: economic, political, social and scientific.”**

**Nuhaila Shukry Al Sulaimani / MSc Environmental Monitoring and Management**

# School of Geography

## About the School

The School of Geography at Nottingham provides a stimulating environment for students and staff based on high standards of innovative teaching and research. We were ranked 6th in the UK on a measure of research power in the most recent Research Assessment Exercise, and excellent in the Higher Education Funding Council for England assessment of teaching provision.

We have an innovative, research-led approach to teaching and members of our academic staff are leading international researchers in their specialist fields. Our research underpins our teaching, making the Nottingham experience exciting and challenging, and providing the skills required for a rewarding and successful career.

We engage with environmental research organisations within Malaysia and across Southeast Asia and maintain active links with colleagues at our campuses in the UK and China.

## Research in geography

Research within the School of Geography is of global and regional significance. Our research into environmental monitoring and management is broad-reaching and focuses on areas such as digital image analysis and high-performance computing, remote sensing technologies and applications, spatial analysis and visualisation, and geospatial technology applications to human-environment interactions and disaster management.

Another research area of particular interest is ecology and biodiversity conservation in tropical Asia. This research is ideally suited to our Malaysian environment and investigates topics such as the ecology and conservation of Asian megafauna – elephants, rhinos and tapirs – plant-animal interactions, defaunation and its consequences for ecosystem processes, and conservation conflicts – for example, between human and elephants.

Research within the School of Geography is of global and regional significance. Our research into environmental monitoring and management is broad-reaching. We are also interested in ecology and biodiversity conservation in tropical Asia.

Nuhaila reviews her course notes against the landscaped backdrop of the campus lake.



# MPhil/PhD programmes in geography

MPhil: KPT/JPS(F3-102)1/16 PhD: KPT/JPS(F3-103)1/16

We offer MPhil and PhD degrees in geography related to our core areas of interest and research. Our current projects include:

- distributed hydrological modelling: characterization of watershed, precipitation - runoff processes and hydrography shape
- geospatial applications and capabilities for forecasting river floods and predicting urban watershed; climate change and its impact of terrestrial ecosystems
- location-based crowd-sourcing data quality assessment
- machine learning for remote sensing image analysis and high-performance computing
- disaster recovery monitoring and assessment – remote sensing multi-scale approach
- Management and Ecology of Malaysian Elephants (MEME)

Within Management and Ecology of Malaysian Elephants we have a number of sub-projects:

- monitoring the effectiveness of translocations as a management and conservation tool for Asian elephants in peninsular Malaysia

- development and application of molecular genetic tools for the management and conservation of elephants in Peninsular Malaysia
- development of Adaptive Management Strategies for Human-Elephant Conflict across Asia
- elephant ghosts in Singapore – the unrealised role of megafauna in Singapore

We welcome applications from all qualified candidates. All PhD applications are treated on an individual basis, taking into consideration the match between the research topic proposed and the resources available in the School.

## How to apply for MPhil/PhD

If you are interested in applying to do an MPhil or PhD in the School of Geography we would recommend that you contact us and discuss your research project proposal with the relevant supervisor in the first instance. You can then visit our applications pages to find out how to apply:  
[www.nottingham.edu.my/applications](http://www.nottingham.edu.my/applications)

## Fact file

Entry requirements	English language requirements
First class or upper second honours degree (or equivalent) in science, engineering or an environment-related subject. This may be supplemented by an appropriate MSc.	IELTS: 6.0 (no elements below 5.5)
Other equivalent qualifications will be considered on a case-by-case basis.	TOEFL (iBT): 79 (no elements below 19)
<b>Applicants must have graduated from an approved university</b>	PTE (Academic):55 (minimum 51)
	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

**Fees:**  
Malaysian – RM44,100 per year  
Non-Malaysian – RM47,960 per year

*All fees quoted are for one-year of full-time study. Part-time students pay half the full-time fee for each year.*

**Mode of study:**  
**MPhil**  
Full-time, 1-2 years  
Part-time, 2-3 years

**PhD**  
Full-time, 3 years  
Part-time, 3-6 years

**Intakes:**  
All year round

**Find out more**  
**School of Geography**  
t: +6 (03) 8924 8000  
e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or [international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)  
w: [www.nottingham.edu.my/geography](http://www.nottingham.edu.my/geography)

# MSc Environmental Monitoring and Management

UNMC(F8NM)6/15

Management of environmental impacts is an increasingly important aspect of economic development and is conducted within a regulatory framework governed by national laws and international treaties. However, both the framing of these regulations and the practice of environmental management require reliable sources of information and a holistic but rigorous understanding of the physical, chemical and biological interactions with and within the environment.

The basis of the course is to develop an understanding of the information needs of environmental management and the practical techniques available to meet those needs, with a particular focus on the tropical environment. The course is interdisciplinary in nature, combining the integrated study of the physical environment with monitoring and investigative techniques and includes social and economic aspects of environmental management. The development of environmental research training is an integral part of the course, culminating in the completion of a dissertation for the MSc.

## Course structure

You must complete 180 module credits. Each credit is equivalent to 10 hours of study. The course consists of two elements: 120 taught credits over two semesters full-time (or four semesters part-time), and 60 credits of individual dissertation-based research in the period after the end of the taught course.

The dissertation module will require you to research an environmental issue under the supervision of an appropriate member of staff and to report your findings in the form of a written dissertation (12,000 words). Key skills developed include those of independent study, critical analysis and report writing.

## Modules

### Compulsory

- Environmental Remote Sensing
- Approaches to Environmental Management
- Tropical Ecology
- Topics in Environmental Management Science
- Techniques in Environmental Management Science
- Environmental Monitoring
- Environmental Mapping and Modelling
- Foundations of Environmental Management Science
- Dissertation in Environmental Monitoring and Management

### Plus two modules from this group:

- Principles of Crop Science
- Crop Research Techniques
- Business Ethics
- Waste and Waste Water Treatment

Students may also take other modules approved by the Director of Studies.



# MSc Geospatial Science for Development Management

KPT/JPS(N/313/6/0005)8/17

International Development is the multidisciplinary study of how communities and states attain the economic, socio-political and other characteristics associated with development. It is primarily concerned with improving the quality of human life and encompasses a broad range of issues including foreign aid, environment, governance, equality, healthcare, education, poverty reduction, disaster management, infrastructure, economics, and human rights. Increasingly, the effective management of international development requires the use of geospatial information and the application of geospatial analysis techniques to provide long-term solutions.

The course will enable you to develop an understanding of the information needs of development management and practical knowledge of the techniques available to meet those needs. The taught element covers aspects of geospatial problem analysis, system specification, selection, organisation and management of data sources, spatial analysis and geospatial intelligence techniques as well as project management, reporting and communication skills. The development of geospatial research training is a key component of the programme, culminating in the completion of a dissertation.

## Career prospects

This course will equip you with specific expertise such as the ability to source, select, evaluate and analyse appropriate data sources, enabling you to inform policy, develop strategies and undertake operational activity. You will also gain transferable skills that are highly sought by employers such as effective communication, problem-solving, research skills, information analysis, teamwork, and time management.

There is a high demand for specialists with understanding of geospatial intelligence technologies in major international environment and aid programmes, international disaster management and mitigation, security such as cross-border migration, terrorism, drug control and serious crime, national and regional programmes such as transport charging, and major sporting and cultural events.

## Course structure

You must complete 120 taught credits, either over two-semester full-time or four-semester part-time, and 60 credits of individual dissertation-based research at the end of the taught course. The core modules are provided by the School of Geography and the School of Politics, History and International Relations. A further 20 credits of elective modules may be taken in other schools of the University.

## Modules

### Autumn semester

#### Compulsory

- Environmental Mapping and Modelling
- Introduction to International Development
- Techniques in Geospatial Science and Development
- Topics in Geospatial Science and Development

#### Optional

- Non-Governmental Organizations
- Foundations of Environmental Management
- Approaches to Environmental Management
- Global Political Economy
- International Relations of South East Asia
- Developmental Economics

You may also take language modules in French, Spanish, German, Korean, Mandarin and Japanese

### Spring Semester

#### Compulsory

- Project and programme management
- Environmental Remote Sensing
- Techniques in Geospatial Science and Development
- Topics in Geospatial Science and Development

#### Optional

- Environmental Monitoring

You may also take language modules in French, Spanish, German, Korean, Mandarin and Japanese

### Summer period

Dissertation in Geospatial Science for Development Management

## Fact file

Entry requirements	English language requirements
Other equivalent qualifications will be considered on a case-by-case basis and applicants with substantial and relevant experience may in some circumstances be considered.	IELTS: 6.5 (no elements below 6.0)  TOEFL (iBT): 88 (no elements below 19)  PTE (Academic): 62 (minimum 55)
<b>Applicants must have graduated from an approved university</b>	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>
<b>MSc Geospatial Science for Development Management</b>	A 2.1 (upper 2nd class) honours degree or international equivalent or minimum Cumulative Grade Point Average (CGPA) of 3.0. Students from a wide range of disciplines - including science, engineering and arts and social sciences - are able to join this course.
<b>MSc Environmental Monitoring and Management</b>	A first or second class degree (or its international equivalent) in science, engineering or an environment-related subject.

### Fees:

Malaysian – RM44,100 per year  
Non-Malaysian – RM47,960 per year

*All fees quoted are per course. The payment installment scheme will differ for full-time and part-time students.*

### Mode of study:

Full-time, 1 year  
Part-time, 2 years

### Intakes:

September

### Find out more

**School of Geography**  
t: +6 (03) 8924 8000

e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)  
w: [www.nottingham.edu.my/geography](http://www.nottingham.edu.my/geography)



**“We have our own chemistry research lab so we have plenty of space to get on with our own research. After my PhD I plan to venture into research in industry.”**

Janet Wong / PhD Pharmacy



Find out more about Janet's experience at  
[www.nottingham.edu.my/pharmacy/studentexperience](http://www.nottingham.edu.my/pharmacy/studentexperience)

Janet gets to work in the School of Pharmacy.



Scan it! To find out how to watch this video on your smartphone see page 130.

# School of Pharmacy

## About the School

Established in 1925, Nottingham's School of Pharmacy is at the forefront of academic development and progress. Our teaching staff are at the leading edge of scientific and healthcare developments and we have a long and distinguished research history.

We were rated as top in the UK for research in the latest Research Assessment Exercise, with 95 per cent of our research considered of international quality. We are consistently ranked as the UK's top pharmacy school and the quality of our teaching was graded excellent during the last UK Quality Assurance Agency audit. In 2007 we received The Queen's Award for Industry in Innovation – one of the UK's highest corporate honours – for significantly enhancing the development of new medicines.

Our pharmacy degree is fully accredited by the UK General Pharmaceutical Council and it is recognised by Malaysia's Pharmacy Board. When the course was first approved in 2007 it was the first time that the UK accrediting body had accepted a programme delivered, in part, overseas.

## Research in pharmacy

Research is crucial to the pharmaceutical industry and our teaching staff are at the leading edge of scientific and healthcare developments.

Our commitment to research also ensures the opportunity for fourth year students to conduct individual research projects alongside academic staff renowned in their fields.

Our research activities are focused in the areas of drug discovery, delivery, action, development and management. The following current research areas reflect the breadth of expertise our staff, the acquisition of research funds and recent applications for grants.

## Molecular modelling and computational techniques

These are used to study biophysical properties of molecules and for rational drug design, this includes the design of anti-cancer drugs. In addition, we have also performed more general biophysical studies leading to the determination of membrane protein structure.

## Pharmacognosy and pharmacology of natural products

Ongoing research interests in this area include the ethnopharmacology of medicinal plants in Asia Pacific; the bioprospection, collection and identification of medicinal botanical samples; and the phytochemical and pharmacological study for the identification of lead compounds and its semi and total synthesis derivatives.

## Drug delivery

Current research interest is aimed at improving oral bioavailability of poorly absorbed drugs by way of fabrication to either enhance epithelial transfer or protect from the effects of digestive fluids. Central to this is research into drug conjugation with polymeric materials or nano-particle formation capable of favourably modifying physicochemical properties of the drug substance.

## Clinical pharmacy and pharmacy practice

Many of our staff are academics who are qualified to practice as pharmacists in a number of countries across the globe, including the UK, Europe, Malaysia, Singapore and numerous. Their areas of expertise include studies of adverse drug reactions (ADRs) and pharmacovigilance, risk management/communication, and clinical governance.



# MPhil/PhD programmes in pharmacy

MPhil: KPT/JPS(F3-102)1/16 PhD: KPT/JPS(F3-103)1/16

Our PhD degrees are offered on a full-time, part-time, and also on a 2+1 basis. Part-time is available to Malaysian students only. The 2+1 structure allows you to complete two parts of your degree in Malaysia and one part of your degree in the UK. We also offer the opportunity for you to study for a year in the UK – projects under this scheme will be based upon the feasibility of the research undertaken and will require a co-supervisor at the UK campus. The full-time PhD would normally take three years of full-time research with a further year for writing up. There are presently over 25 postgraduate students registered on the PhD programme, whilst a number of our PhD graduates are now employed as pharmacy lecturers in Malaysian universities.

Our MPhil degree may be awarded after one year of study – followed by a one year write-up period – if you or the University decides that this is a more appropriate qualification.

Our MPhil and PhD degrees are based on research in the School of Pharmacy. Some of the areas in which postgraduate degrees can be studied are given below.

## Drug discovery

### Molecular modelling and computational techniques:

- Modelling of proteins for rational drug design

### Pharmacognosy and pharmacology of natural products:

- Characterisation of anticancer agents from primary rain forest plants
- Characterisation of immunostimulating agents from primary rain forest plants
- Characterisation of bactericidal agents from primary rainforest plants
- Studies on potential anticancer, bactericidal and immunomodulating properties of plant extracts derived from primary rainforest plants
- Semi and total synthesis of plant secondary metabolites and its derivatives

### Drug synthesis techniques

- Plant secondary metabolites as cholesterol lowering agents
- Synthesis and organometallic chemistry of Schiff base ligands

### Drug delivery

- Improving oral bioavailability of poorly absorbed drugs by way of fabrication to either enhance epithelial transfer or protect from effects of digestive fluids
- Formulation, gastrointestinal transit and absorption from nano-particle dispersions of amphotericin B
- Percutaneous permeation of palm oil using human skin

### Clinical pharmacy and pharmacy practice

- Clinical governance in community pharmacy
- Pharmacovigilance
- Medication compliance
- Medication Errors
- Pharmacokinetics

### How to apply for MPhil/PhD

If you are interested in applying to do an MPhil or PhD in the School of Pharmacy we would recommend that you contact us and discuss your research project proposal with the relevant supervisor in the first instance. You can then visit our applications pages to find out how to apply:

[www.nottingham.edu.my/applications](http://www.nottingham.edu.my/applications)

Research is crucial to the pharmaceutical industry and our teaching staff are at the leading edge of scientific and healthcare developments.

## Fact file

Entry requirements	English language requirements
An upper second class honours (or equivalent) degree or above in pharmacy or a related scientific discipline. This may be supplemented by an appropriate MSc.	IELTS: 6.5 (no elements below 6.0) TOEFL (iBT): 88 (no element below 19)
Other equivalent qualifications will be considered on a case-by-case basis.	PTE (Academic): 62 (minimum 55)
<b>Applicants must have graduated from an approved university</b>	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

### Fees:

*Based in Malaysia*

Malaysian – RM44,100 per year  
Non-Malaysian – RM47,960 per year

*2+1 split scheme*

Malaysian – RM68,250 per year  
Non-Malaysian – RM68,250 per year

*All fees quoted are for one-year of full-time study. Part-time students pay half the full-time fee for each year.*

### Mode of study:

*Based in Malaysia*

Full-time, 1-2 years (MPhil), 3-4 years (PhD)  
Part-time, 2-3 years (MPhil), 3-7 years (PhD) (Malaysian students only)

*2+1 split scheme (Malaysia and UK)*

Full-time, 3-4 years

### Intakes:

All year round

### Find out more

**School of Pharmacy**

t: +6 (03) 8924 8000

e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)

w: [www.nottingham.edu.my/pharmacy](http://www.nottingham.edu.my/pharmacy)



“My research at UNMC is investigating phantom sensations. It is the first of its kind to look at the time-course of illusory sensations and identify if they are generated at an early sensory processing stage, or at a later decision making stage”

Vrushant Lakhani / PhD in Cognitive Neuroscience



Vrushant is conducting a somatic signal detection task in the Sensory Integration Lab.

# School of Psychology

## About the School

Over the past two decades, psychology has become one of the most popular degree topics in the world. It is a fascinating subject that helps us to understand the ways in which our minds, brains, relationships and societies work.

The School of Psychology is consistently ranked amongst the top psychology schools in the United Kingdom and is among the leading centres for research and teaching in the world. Ranked among the highest in Malaysia, our research received a 4-star rating in the last Malaysian Research Assessment exercise. We have an excellent line up of talented scholars working on cutting-edge research that features in leading international journals. We also enjoy connections with other leading universities throughout the world and undertake collaborative research with a wide range of partners both locally and internationally.

## Research in psychology

The School of Psychology is currently comprised of seven research groups, many of which overlap and complement the work of other groups.

- Active Vision Group
- Centre for Research Excellence in Autism Malaysia
- Cognitive Development Group
- Cognitive and Sensory Systems Group
- Driving Group
- Face Perception Group
- Inter-group/Cultural Relations Group

## Active Vision Group

The Active Vision Group is interested in visual cognition. To explore aspects of our gaze in complex environments we use event-related potentials (ERP), and eye-tracking methodology. Our research interests in this area are in spatial memory and navigation, executive control of goal-directed action, predictive mechanisms in eye-hand coordination and motor control, visual attention and memory, and the strategic use of gaze in real-world activities such as driving, sport, and search.

## Centre for Research Excellence in Autism Malaysia

The Centre aims to advance scientific interdisciplinary research on Autism Spectrum Disorders (ASDs) in order to create positive change for those affected by these conditions. The spectrum includes Autism, Asperger Syndrome and Pervasive Developmental Disorder. Our research integrates professionals from cognitive science, child clinical psychology, neuropsychology, and neuroimaging.

## Cognitive Development Group

The Cognitive Development and Developmental Disorders Group operates a diverse program of research into how cognition develops in typical individuals, and abnormal aspects of development. Our work has a strong focus on Autism Spectrum Disorders. We use a variety of techniques and paradigms including eye-tracking to investigate research questions relating to visual perception, face perception and social cognition.

## Cognitive and Sensory Systems Group

Neuroscientists in the Cognitive and Sensory Systems Research Group (CSS) are concerned with the study of the biological features underlying cognition, perception, and action. Our research interests are diverse and span a number of disciplines and themes, including multi-sensory/cross-modal integration, illusory sensations, limb embodiment and embodied cognition, spatial frames of reference, active vision, visual perception of colour and motion, visual attention, neuropsychology, cognitive biology, bilingualism, and diagnosis of neurodegenerative diseases.

## Driving Group

The Driving Research Group investigates cognitive factors involved in driving, such as perception and attention, and whether these processes differ between drivers in Malaysia and the UK. We are also interested in how these processes differ in individuals with Autism Spectrum Disorders. Our research focuses on hazard perception in driving, and how people process and respond to hazardous situations on the road. We use eye-tracking technology to monitor when a driver first notices a hazard, and how long they take to process it.

## Face Perception Group

The Face Perception Group investigates the way in which the appearance of people's faces and bodies influences the way in which others view them. Using perceptual psychological techniques, we examine the cues that people use to attribute things to faces like attractiveness, health, age. We are also interested in how accurate people's judgements are, using biological techniques to assess people's actual attractiveness, health and age. Another arm of our research concerns how people recognise identity and emotion from faces. We collaborate with the Centre for Research Excellence in Autism Malaysia on projects relating to face processing in individuals with autism.

## Inter-group/Cultural Relations Group

The Inter-group/Cultural Relations Group examines the processes underlying people's attitudes and behaviour towards members of other social groups when their own group membership is salient to them. Using conditional process models, we look at the way group-based attitudes and behaviour are structured by idiosyncratic and contextual factors as well as the emotions that drive them. So far our research has primarily focused on low-status/power groups, but we are also keen to explore the way in which these relationships play out for members of high-status/power groups, particularly in non-Western cultures.



# MPhil/PhD programmes in psychology

MPhil: KPT/JPS(F3-102)1/16 PhD: KPT/JPS(F3-103)1/16

We offer MPhil and PhD research degrees in psychology related to our staff's core areas of interest. As a postgraduate research student, you will undertake research with two members of our academic staff as supervisors. You will also become members of one of our research groups, working alongside other members of research and academic staff.

Progression through the programme also involves satisfactory completion of taught courses. This formal training element is designed to provide you with necessary research skills and equip you with communication, information technology, personal development and employment-related skills. This training can be tailored to meet your individual needs. You will also be expected to attend the School's research seminars.

Possible research projects include the following.

#### Active vision:

- The predictive use of gaze by experienced and novice congkat players
- Visual strategies employed by individuals with low vision, eg nystagmus
- EEG and the temporal nature of predictive eye movements
- Evaluation of pharmacist-patient partnerships in health and illness – analysing patients' eye movements during a typical over-the-counter consultation or a longer and more formal medicines use review within the community
- The strategic use of gaze by orangutans in daily tasks such as feeding, play, search and grooming

#### Autism:

- Epidemiology: How many people have this disorder?
- Intervention: What can we do to help individuals with autism adapt better to life at home, school and the workplace?
- Basic research into early diagnosis, using the tools of cognitive neuroscience

#### Cognitive development:

Perception in autism, investigating:

- if autistic and neurotypical individuals use different strategies to assess attractiveness in faces
- how people with and without autism infer mental states from behavioural responses
- the crosscultural aspects of autistic perception
- facial emotion perception and sensitivity in autistic and neurotypical individuals

#### Cognitive and sensory systems

- Cross-cultural differences in gender stereotypes in reading
- Visual cognition in humans and orangutans
- Top-down and bottom-up effects on somatic misperception
- Assessing interactions between working memory, attention, and visual perception

#### Driving:

- Cross-cultural hazard perception in driving: Comparing UK and Malaysian drivers
- Adapting the Deceleration Detection Flicker Test for use with Malaysian drivers
- How do Malaysian drivers perceive and appraise other road users approaching a junction?

#### Face perception:

- Do individuals with autism and neurotypical individuals use different cues to assess attractiveness in faces?
- Do individuals from different cultures and ethnic groups use facial cues differently in assessing health or recognising faces?
- How does exercise affect the appearance of our faces and bodies?

#### Inter-group/cultural relations

- Activation and application of metastereotypes during inter-group/cultural encounters
- Strategic social identity motivated behaviours among members of powerful and powerless groups
- Predictors of group-based employability beliefs and resilience at job-seeking among members of powerless groups
- Resolving the social identification measurement dilemma: Does threat induction have consistent effects on different aspects of social identity?
- Understanding the barriers to social inclusion in the Malaysian context

#### How to apply for MPhil/PhD

If you are interested in applying to do an MPhil or PhD in the School of Psychology, we would recommend that you contact us and discuss your research project proposal with the relevant supervisor in the first instance. The School of Psychology staff profiles, together with their contact information, can be found at [www.nottingham.edu.my/psychology/people/index.aspx](http://www.nottingham.edu.my/psychology/people/index.aspx)

Once you have contacted a potential supervisor and finalised your research proposal, you may then visit our applications pages to find out how to apply:

[www.nottingham.edu.my/applications](http://www.nottingham.edu.my/applications)

## Fact file

Entry requirements	English language requirements
An upper second class honours degree (or equivalent) either in psychology or in a related subject relevant to the chosen area.	IELTS: 6.5 (no elements below 6.0)
Other equivalent qualifications will be considered on a case-by-case basis.	TOEFL (iBT): 88 (no elements below 19)
<b>Applicants must have graduated from an approved university</b>	PTE (Academic): 62 (minimum 55)
	<i>IELTS and TOEFL test results must be less than 2 years old and all IELTS must be the academic version of the test</i>

#### Fees:

Malaysian – RM44,100 per year  
Non-Malaysian – RM47,960 per year

*All fees quoted are for one-year of full-time study. Part-time students pay half the full-time fee for each year.*

#### Mode of study:

##### MPhil

Full-time, 2 years  
Part-time, 4 years

##### PhD

Full-time, 3 years  
Part-time, 6 years

#### Intakes:

All year round

#### Find out more

##### School of Psychology

t: +6 (03) 8924 8000

e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)

w: [www.nottingham.edu.my/psychology](http://www.nottingham.edu.my/psychology)



# How to apply

By applying to The University of Nottingham Malaysia Campus (UNMC) you are taking a step towards an outstanding education and a rewarding career. If you have the academic ability to meet our entry requirements we encourage you to take the opportunity to study for a degree that is renowned throughout the world.



Enjoy your studies and make new friends as part of our diverse student body.

## Step 1

Please complete and post your application form and supporting documents to the Admissions Office. You can also apply online via our applicant's portal: <https://apply.nottingham.edu.my>

### Supporting documents

- Application form
- One academic reference form for undergraduate application
- Two academic reference forms for postgraduate/ MBA application
- Academic certificates and transcripts of previous studies
- English language qualifications (if any)
- Copy of NRIC for Malaysian
- Copy of ID page of passport for non-Malaysian
- Course syllabus (for those apply for entry into the second year of study)

If you are a postgraduate research applicant please also submit an outline of your research interest/proposal.

## Step 2

An acknowledgement email (with application index number) will be sent to you from the Admissions Office upon receipt of your application.

## Step 3

Your application will be considered by our Admissions Tutors and a decision will be made within two working weeks (for undergraduate and postgraduate taught courses).

It can take up to three months for postgraduate research applications to be processed.

You will be sent confirmation via email.

## Step 4

Upon acceptance of the offer, you are required to return the accept/decline form and make a payment of RM1,000 (non-refundable deposit) before the deadline. This amount shall be off-set from the first semester's tuition fee. The acceptance fee is not applicable to postgraduate research applicants.

## Step 5

Once you have accepted your offer to study at The University of Nottingham Malaysia Campus, you will receive an offer pack (containing accommodation form, student visa application etc) either by courier or email.

## Step 6

Prior to registration day, you will receive an email which contains registration information.

### Non-Malaysian students

Non-Malaysian applicants should submit their visa application at least two months before intake or ensure there is sufficient time to apply for a student visa. For further information, please contact the International Office:  
e: [international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my)

### Application forms

Application forms are available at the Malaysia Campus or can be downloaded from [www.nottingham.edu.my/applications](http://www.nottingham.edu.my/applications)

We are only able to accept applications via post or through our online applicant's portal. Please post your completed application form to the address below. If you have any queries you may telephone or email us.

Admissions Office  
The University of Nottingham Malaysia Campus  
Jalan Broga, 43500 Semenyih, Selangor, Malaysia

t: +6 (03) 8924 8000  
f: +6 (03) 8924 8002  
e: [admissions@nottingham.edu.my](mailto:admissions@nottingham.edu.my) (Malaysian)  
e: [int-admissions@nottingham.edu.my](mailto:int-admissions@nottingham.edu.my) (International applicants)

### Apply online

You can now apply to study at The University of Nottingham online via our applicant's portal. To create an application you will need to register to create an account or logon if you have previously applied online.

Visit our applicant's portal at <https://apply.nottingham.edu.my>

### Intakes

#### February:

- selected undergraduate programmes and part-time MBA programmes in Nottingham University Business School
- selected part-time postgraduate programmes
- MRes/MPhil/PhD in English; Politics, History and International Relations

#### April:

- three-semester foundation programmes

#### June:

- postgraduate programmes in the School of Education

#### July:

- three-semester foundation programmes

#### September:

- two-semester foundation programmes
- all undergraduate programmes
- all postgraduate programmes (excluding programmes in the School of Education)
- PhD in business and management; MRes/MPhil/PhD in Economics; Politics, History and International Relations.

#### December:

- postgraduate programmes in the School of Education

#### All year round:

- MPhil and PhD programmes except for Business; Economics; English; Education; and Politics, History and International Relations

### Entry requirement guidelines

We strongly encourage all interested students to apply. Our students come to us with a diverse range of qualifications and we also consider personal statement, references, and interview performance (if you have one) when making a decision. The only way for us to fully determine eligibility is through the submission of a completed application.



**Finding the right place to live while you study is an important consideration in your choice of university. Our Accommodation Office is here to offer a free and friendly service in helping you find a place to live that not only suits your needs but lets you get on with University life – both studying and having fun.**

#### On-campus accommodation

We offer various categories of rooms to suit a range of budgets within our Halls of Residence. There are five halls of residence which are situated on the western side of the University, just a five-minute walk to the Student Association building (and cafeteria) and a 10-minute walk to the academic areas. These range from single en suite to four share bedrooms.

In addition to our current on-site student accommodation we will soon be opening brand new halls of residence which will accommodate a further 1200 students.

Each hall offers fully furnished bedrooms with an internet point in every room and there are fully equipped pantry facilities. Students residing in rooms with air-conditioning will be charged monthly for air-conditioning usage based on a meter reading. Please see the table below for room types with and without air-conditioning.

Each hall has a warden or tutor who is responsible for your welfare. If you have any problems, whether personal or with your accommodation, they will be more than happy to assist you.

Accommodation fees range from approximately RM355 to RM625 per month, including utilities and internet connection (air-conditioning usage is charged separately). The rental rates are as follows.

Room types	Floor area (m <sup>2</sup> per room)	Monthly rental* (per person)
Single ensuite bathroom (with A/C)	13.23	RM625
Single shared ensuite bathroom (with A/C)	12.96	RM565
Single shared ensuite bathroom	12.96	RM465
Single shared bathroom in five room flat (with A/C)	9.49	RM535
Single shared bathroom in five room flat	9.49	RM435
Twin shared in six bedded flat	12.00	RM410
Four shared bedroom	48.24	RM355
Double decker shared ensuite bathroom (with A/C)	13.23	RM425
Double decker shared ensuite bathroom	13.23	RM375

The printed accommodation fees are based on 2012/13 rates and are subject to change.

The following facilities are available at the halls of residence.

- Wi-fi and an internet point in each room
- Pantry facilities
- Laundry and laundrette
- Cleaning services
- Repair and maintenance services

#### How to apply

Upon successful application to the University you will receive your accommodation form by email/courier together with your offer letter. To apply for accommodation you must complete the accommodation form and fax, email or post it to the Accommodation Office. We shall make the accommodation offer to you via email.

The Accommodation Office will only consider the application for on-campus accommodation upon confirmation of acceptance of the offer to study and upon receipt of the acceptance fees.

Rooms are allocated on a first come first served basis based on the accommodation allocation policy and subject to room availability.

It is the policy of the University that students are allowed to stay at the halls of residence for the first academic year only.

#### Off-campus accommodation

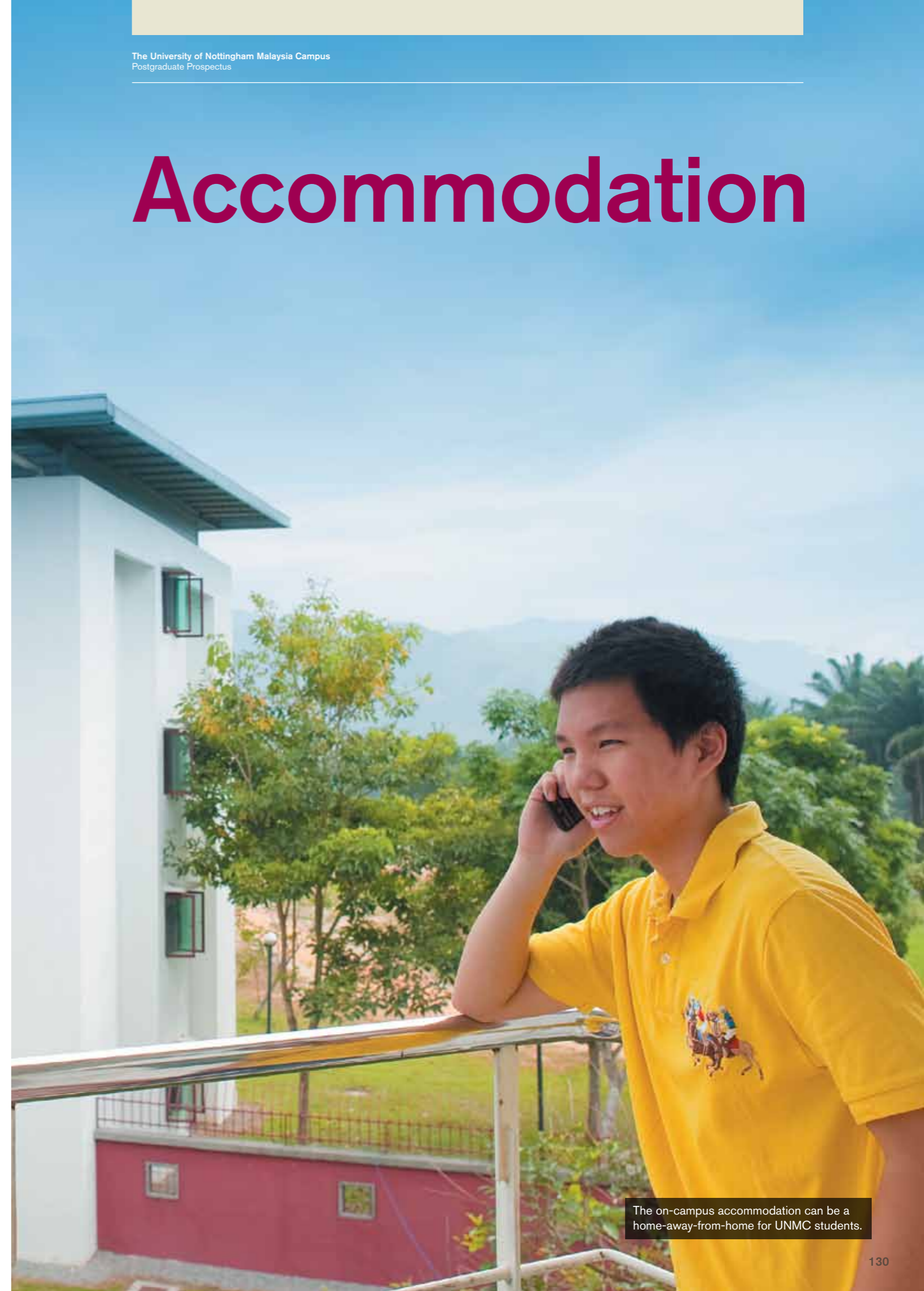
Should the on-campus accommodation be unavailable, you may choose to live in off-campus accommodation in Taman Tasik Semenyih (TTS) which is located 2km from the main entrance of the campus. There is also a bridge linking Taman Tasik Semenyih to the Malaysia Campus. The University provides shuttle bus services between TTS and the campus. This takes between five and ten minutes.

The off-campus accommodation is privately owned and managed, and not run by the University. The Accommodation Office will provide you with details of the off-campus accommodation if you are unable to reside in on-campus accommodation. Please be aware that if you opt to reside in off-campus accommodation it is a private arrangement between yourself and the off-campus accommodation manager.

Please visit our website for further information on your accommodation options or contact the Accommodation Office.

t: +6 (03) 8924 8640 / 8924 8649  
f: +6 (03) 8924 8657 / 8924 8002  
e : accommodation@nottingham.edu.my  
w: [www.nottingham.edu.my/accommodation](http://www.nottingham.edu.my/accommodation)

# Accommodation

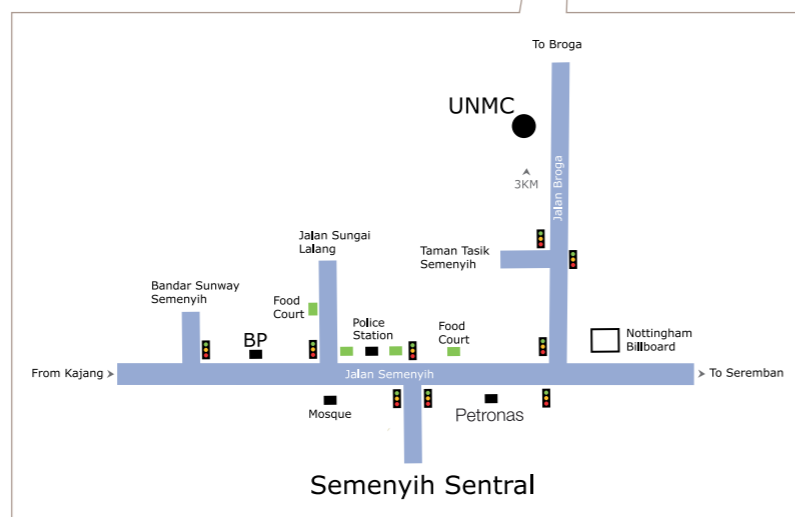
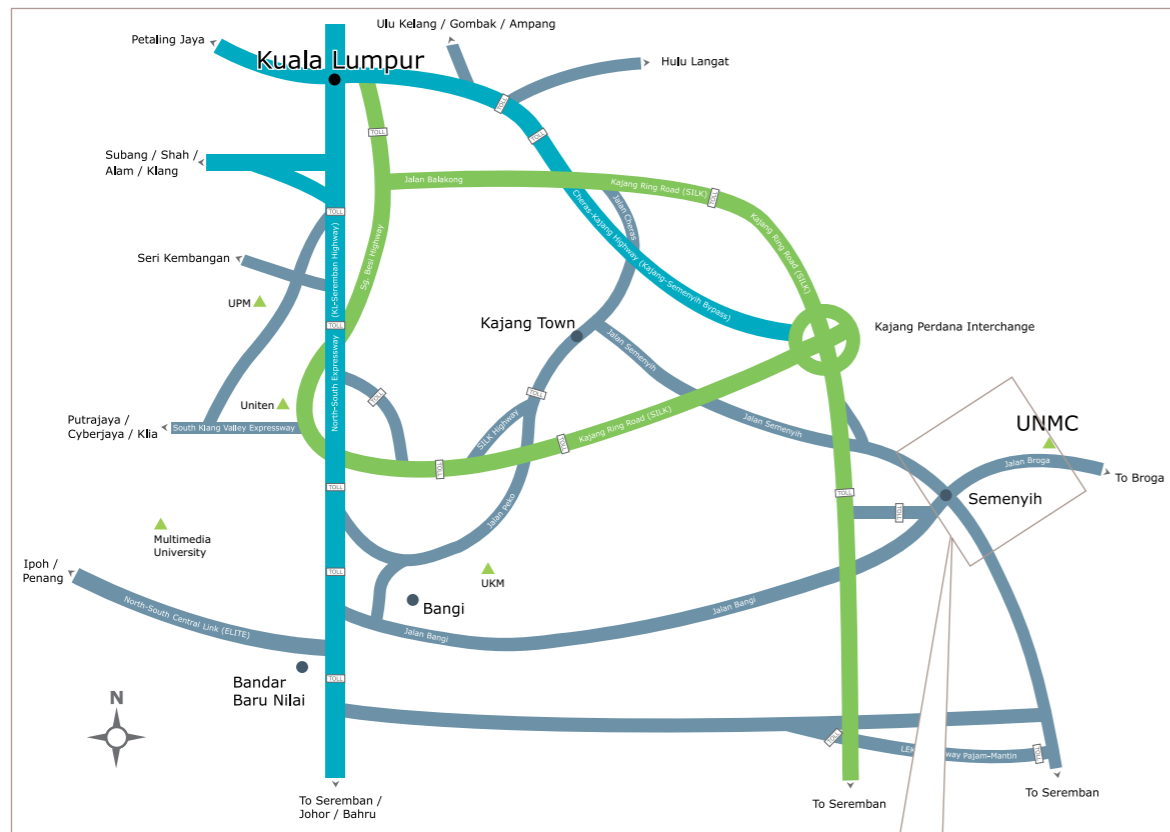


The on-campus accommodation can be a home-away-from-home for UNMC students.



# Where to find us

The University of Nottingham Malaysia Campus can be reached easily by train, bus, car or taxi. There is also a shuttle bus available to our students to/from the Keretapi Tanah Melayu (KTM) train station in Kajang. Further information and directions can be found at [www.nottingham.edu.my/maps](http://www.nottingham.edu.my/maps)



**The University of Nottingham Malaysia Campus**  
KPT/JPT/DFT/US/B19  
Jalan Broga, 43500 Semenyih,  
Selangor Darul Ehsan, Malaysia

t: +6 (03) 8924 8000  
f: +6 (03) 8924 8005  
e: [enquiries@nottingham.edu.my](mailto:enquiries@nottingham.edu.my) (Malaysian) or  
[international.enquiries@nottingham.edu.my](mailto:international.enquiries@nottingham.edu.my) (non-Malaysian)  
w: [www.nottingham.edu.my](http://www.nottingham.edu.my)



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If you require this publication in an alternative format please contact us:  
t: +44 (0)115 951 4591  
e: alternativeformats@nottingham.ac.uk

#### Disclaimer:

The University of Nottingham Malaysia Campus has made every effort to ensure the accuracy of the information contained in this brochure at the time of publication. The University reserves the right to alter any information without prior notice should the need arise.

Published February 2013

Design: [www.campbellrowley.com](http://www.campbellrowley.com)

# Connect with Nottingham

We use the latest technology to bring Nottingham to life and to ensure you can experience and interact with the University community anytime, anywhere in the world.

#### Social media

-  [www.facebook.com/uonmalaysiacampus](http://www.facebook.com/uonmalaysiacampus)
-  [www.twitter.com/uonmalaysia](http://www.twitter.com/uonmalaysia)
-  [www.youtube.com/uonmalaysia](http://www.youtube.com/uonmalaysia)

#### Instant access with QR codes

You may have noticed these intriguing black boxes throughout our prospectus:



These are QR (Quick Response) codes and we've introduced them to give you instant access to our students' experiences.

To watch their videos on your smart phone\*, follow the steps below:

- Step 1**  
Download any QR code reader (there are lots of free ones)
- Step 2**  
Open up the QR code reader on your phone and scan the codes
- Step 3**  
Each code will direct your mobile browser to the relevant video

Once you have seen the video, we hope you will decide to visit us in person.

\*Your data plan and file size limitations imposed by your supplier may affect viewing ability. You can also view all the videos online at [www.youtube.com/uonmalaysia](http://www.youtube.com/uonmalaysia)

