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I am delighted to welcome you to this latest brochure of postgraduate programmes at Sunway University. In today’s highly competitive job market where it is important to maximise your opportunities, studying for a postgraduate qualification can give you a significant edge.

In this brochure you will find a wide range of advanced programmes from the fields of business, the arts and the sciences. These include both taught Master’s programmes and research Master’s and Doctoral programmes. Each of these programmes has been carefully designed to give you the advanced skills and knowledge to be a future leader in your chosen field of activity. Some are offered in part time mode, others in full time mode, in order to suit your own particular lifestyle and needs at the current stage of your career. Whether you are a fresh graduate (or soon-to-be graduate), or are already in work and wishing to upskill yourself to prepare for a career move or promotion, I’m sure you will find something of interest.

At Sunway University we have outstanding facilities to support our postgraduate programmes, including state-of-the-art laboratories and a dedicated graduate centre. We have expert lecturers and research professors in many areas who teach our postgraduate programmes and supervise postgraduate research theses. We pride ourselves on being a high quality university (rated 5-stars “excellent” by the Ministry of Higher Education in the “SETARA 2017” quality review exercise) and we are now ranked in the top 4.4% of universities in Asia (QS Asia ranking 2021). Some of our postgraduate degrees are offered in collaboration with Lancaster University, which is one of the UK’s top ten universities, leading to dual degrees. We also offer generous scholarships for many of our postgraduate programmes — you will find all the details in the following pages. Do get in touch and discuss your own particular requirements and aspirations with our academics who will be delighted to help you.

Thank you for considering Sunway University for your postgraduate studies. I very much hope to welcome you to Sunway in the near future.

G Wilkinson
Professor Graeme Wilkinson, DPhil (Oxford) FBCS FRSA
(Vice-Chancellor)

Why Choose Sunway University Postgraduate Studies

According to the Times Higher Education Supplement a person with a postgraduate degree earns 50% more in life than a Bachelor’s degree holder and more than double a person who leaves school to enter work. This means the investment you make in a Sunway University postgraduate degree will repay itself many times over and make you stand out in an increasingly competitive job-market.

At Sunway we offer you a range of world-class postgraduate degrees designed to equip you with the transferrable skills needed for success in your chosen career. Our 5-star QS ranking for Employability means you can be confident that you will graduate ready for the fast-track to the top. The national government has given Sunway University a 5-star grade in the last three SETARA quality assessments, placing us consistently among the top universities in Malaysia, and the QS university ranking organisation has placed Sunway in the top 4.4% of universities across Asia.

We have made substantial investments in new buildings and our facilities are independently ranked as among the best in Asia. As well as working with the best equipment you will also have full membership of our 5-star ranked library and access to the latest information and educational technology. During your course you will be guided by a personal tutor chosen from our expert faculty and you will receive some of the best teaching in the world, ranked at 5-stars for excellence. Our partnerships with Oxford, Harvard and Cambridge Universities mean that you will also have the opportunity to take part in lectures, workshops and visits with the world’s leading institutions of higher education. If you have the ability, passion and motivation to take your education to the next level and kick-start your career, then this is your time and we want you to apply to Sunway.

Professor Peter Heard
(Provost)
The Master of Human Resource Management (MHRM) programme’s curriculum is designed to develop world class human resource management professionals who are internationally recognised. The MHRM programme at Sunway University holds the “CIPD Approved” status.

Founded in 1913, CIPD is a leading professional body for HR and people management, which has more than 145,000 members across the world, provides thought leadership through independent research on the world of work, and offers professional training and accreditation for those working in HR learning and development.

With the MHRM qualification, graduates become Associate Members of the CIPD and can use the designatory letters “Assoc CIPD” after their names. The MHRM has incorporated significant research components in order to create competent HR professionals with critical thinking.

This programme is open to students with or without a background in human resource management.
DELIVERY MODE

For effective learning and convenience, classes are conducted on weekends in small groups on a modular (6 weeks/module) basis.

Schedule:
- Week 1: Saturday (1pm to 7pm)/Sunday (9am to 3pm)
- Week 2 – 5: Saturday (1pm to 7pm)
- Week 6: Saturday (10am to 1pm, written exam)
- One-week break before commencement of next module

PROGRAMME STRUCTURE

6-week module; 9 core + 2 electives + Research Project
- Strategic HR Management
- Developing Skills for Business Leadership
- Talent Acquisition and Mobility
- Employee Engagement & Human Relations
- Human Capital Development & Organisational Effectiveness
- Managing Performance
- Coaching & Mentoring
- Compensation & Benefits
- Research Methods
- Legal Aspects of Industrial Relations (Elective)
- International HR Management (Elective)
- HR Accounting/Analytics (Elective)
- Research Project/Consultancy Project (3 months)

AREAS OF RESEARCH

- International Human Resource Management
- Strategic Human Resource Management
- Human Resource Development and Leadership
- Talent Acquisition/Management
- Mentoring and Coaching
- Industrial Relations

CAREER PROSPECTS

Graduates may enter careers in HR, academia, consulting or research, as well as undertake specialist roles in areas related to Human Resource Management.

For further information and to arrange for an appointment to meet with Dr Kenneth Cafferkey (Programme Leader), please email to mhrm@sunway.edu.my.

ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME

Bachelor’s Degree
- A Bachelor’s degree or its equivalent, with a minimum CGPA of 2.50 out of 4.00, or equivalent from a recognized institution of higher education, as accepted by the University’s Senate
- A Bachelor’s degree with CGPA below 2.50 out of 4.00 or its equivalent qualifications can be accepted subject to a minimum of 5 years of working experience in relevant field
- A holder of a pass degree or equivalent, from a recognized institution of higher education with at least five years’ relevant work experience
- Any other equivalent professional qualification recognised by the Malaysian Government

Other Qualifications
- Any other qualifications will be considered on a case-by-case basis

ENGLISH LANGUAGE REQUIREMENTS

- IELTS 6.5
- TOEFL 400 (paper-based), 250 (computer-based)

POSTGRADUATE PROGRAMME

Master of Human Resource Management
- Intake & Duration
- Entry Requirements
- Delivery Mode
- Programme Structure
- Areas of Research
- Career Prospects
The Master of Marketing is ideal for graduates in many disciplines (IT, Psychology, Engineering, etc.) who wish to augment their CV to gain an edge in the employment market. Marketing is very fundamental to many jobs as it sharpens your Presentation and Analytical skills whilst revitalising your Critical Thinking.

This programme takes you on a developmental journey of skills and knowledge needed to become an effective and reflective marketing practitioner. You will gain in-depth understanding of markets and how they work, coupled with the introduction of theories, tools and techniques in which firms can use to connect with and shape those markets.

You will also learn how to uncover new and emerging consumer practices that may offer potential for creating new markets. The course emphasises the strong relationship between theory and practice where you will be constantly challenged.

The programme critically explores issues facing firms, markets and consumers, ultimately springboards to a range of marketing-related careers.
ENTRY REQUIREMENTS*

POSTGRADUATE PROGRAMME

MASTER OF MARKETING

Bachelor’s Degree
A Bachelor’s Degree or its equivalent with a minimum CGPA of 2.50 out of 4.00 from a recognised institution of higher education; OR
A Bachelor’s Degree with CGPA below 2.50 out of 4.00 or its equivalent qualifications can be accepted subject to a minimum of 5 years working experience in relevant field.

* The Master of Marketing is known as a Conversion degree and is open to graduates in any field. No prior of Marketing or Business is required.

ENGLISH LANGUAGE REQUIREMENTS

IELTS 6.5
TOEFL 600 (paper-based), 250 (computer-based)

PROGRAMME STRUCTURE

Introduction to Marketing Theory
• Marketing Theory & Application
• Consumer Behaviour
• Global Marketing
• Marketing Communication
• Services Marketing

Seeing Marketing Theory in Practice
• Strategic Marketing
• Marketing Research Methods

The Practice of Marketing
• Research Project
Elective (Choose 1):
• Digital Marketing
• Marketing Analytics
• Business to Business Marketing

For further information and to arrange for an appointment to meet with Dr Sivakumari (Programme Leader), please email to mmkt@sunway.edu.my.
A Doctor of Philosophy (PhD) is the highest level of academic qualification one can achieve. This qualification sets you apart as having developed an exhaustive understanding of your selected focus area in the discipline of business studies, placing you at the forefront of your chosen field of research.

Our PhD in Business provides you with opportunities to undertake extensive investigation within your chosen business field and you are encouraged to develop new ideas or employ well thought-out methodologies to produce noteworthy theoretical and practical contributions. You will utilise the most suitable research design to explore and/or test informed ideas. The outcome of your research extends the frontiers of knowledge and you will disseminate the scholarly findings to peers and practitioners, through academic and professional networks, conferences or seminars and even publications.

The University has a dedicated team of academics to mentor you along your research journey, as you investigate a topic of your choice. You may pursue a topic or an issue in which you are currently researching within your workplace, in which case your PhD can also be of direct relevance to your current employment. Alternatively, you can choose to undertake research in any particular area you are passionate about.

You will be a part of an elite group of respected scholars, who actively promote scientific, technological, social and cultural progress whilst also shaping business, legal and societal boundaries. By the end of your study, you would have developed expertise in your chosen field and be well-equipped with the necessary knowledge, skills and personal attributes to carry out independent research.
**ENTRY REQUIREMENTS**

**POSTGRADUATE PROGRAMME**
- Master’s Degree
- Other Qualifications

**PHD IN BUSINESS**
- A Master’s degree in business with a minimum CGPA of 3.00 or equivalent
- Any other qualifications will be considered on a case-to-case basis

**ENGLISH LANGUAGE REQUIREMENTS**
- IELTS: 7.0
- TOEFL: 100 Internet-based
- PTE Academic: 70 overall

Candidates who have completed a Master’s degree or equivalent in English would have met the language requirements.

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**PROGRAMME STRUCTURE**

**Students pursuing a Doctor of Philosophy (Business) degree will undertake a systematic study on a chosen research topic related to the fields of business. Students will undertake advanced scholarship to master qualitative, quantitative or mixed research skills, with the guidance of respective supervisors.**

During the course of study, every student will be required to enrol in the audit subject, namely Research Methodology and progress in their academic pursuits through several oral examinations, namely Defense Proposal, Work Completion Seminar and Viva Voce. We encourage all postgraduate students to engage in scholarly activities at various academic and professional communities, including workshop and research seminars, to gain expertise in their discipline of interest.

**AREAS OF RESEARCH**

The faculty has a dedicated team of academics who will mentor and discuss possible research topics with you in the following areas of research interests, but not limited to:

- Banking
- Consumer Behaviour
- Corporate Governance
- Finance
- Green Supply Chain Management
- Human Resource Management
- Industrial Relations
- International Trade
- Marketing Management
- Organisational Behaviour
- Services Marketing
- Strategic Management

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**HOW TO APPLY**

You can request for the application form from the person-in-charge.

You can email* the scanned copy of your academic transcript for your Master’s degree, and a research statement to enable us to gauge eligibility and availability of supervision expertise to support your research area. The research statement for your proposed topic should comprise around 1,500 words, covering the following structure:

- Introduction and Justification of the Study (indicating research background, problem statements and motivations, objectives and deliverables)
- Literature Review
- Research Methodology
- Proposed Research Schedule
- List of References

*phdbusiness@sunway.edu.my / PhD Programme Leader, Professor Yuka Fujimoto (yuka@sunway.edu.my)

For more information, please refer to university.sunway.edu.my/subs/b-phd

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**ENTRY REQUIREMENTS**

**FULL-TIME • 3 YEARS**
- January
- March
- June

**PART-TIME • 4 YEARS**
- September

**DOCTORAL GRADUATES ARE HIGHLY TRAINED SPECIALISTS IN THEIR FIELDS. YOU MAY ENTER CAREERS IN ACADEMIA, RESEARCH OR CONSULTING AS WELL AS UNDERTAKE SPECIALIST ROLES, FOR EXAMPLE AS ANALYSTS IN INVESTMENT BANKING.**

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**POSTGRADUATE PROGRAMME**

- Duration & Intakes
- Career Prospects
- Entry Requirements
- Programme Structure
- Areas of Research
- How to Apply
The world we live in is defined by the media we live with. Be it Netflix, Facebook, Instagram, your favourite online game, or an interactive installation you just saw in a museum, media messaging is a part of your life.

These messages are narratives. In all forms of media, we see the shaping of messages through narratives. In this programme you will learn how to use contemporary media to develop new narratives. You will be able to apply storytelling into the latest forms of technology. By learning how to utilise the latest technologies such as 360° video, Augmented Reality, Virtual Reality and social media as ways of telling your stories.

In this programme, you will learn how messages are formed and how they affect our society and culture. You will understand how various media are used to create messages. You will use this insight to be able to create your own messages using the latest technologies. You will learn this through a combination of theoretical knowledge and practical experience. Finally, you will create a research-based thesis project. This is an approach to research that combines creative and academic research practices. It supports the development of knowledge and innovation through artistic expression, scholarly investigation, and experimentation. The research-creation process results in an original artistic work with a scholarly component.
**HOW TO APPLY**

Candidates are requested to send the completed application with the following supporting documents to vcms@sunway.edu.my

- Academic transcripts and certificate for Bachelor degree;
- Report from 2 academic referees;
- TOEFL/IELTS Score (if applicable);
- Passport’s personal particular page/Identification card;
- Portfolio and/or scholarly writing sample;
- Personal statement

Relevant files may also be submitted by USB flash drive if this is more convenient.

**PORTFOLIO**

A portfolio should contain 5 - 15 examples of your own original creative work. Its purpose is to demonstrate how you express your concepts through media. Any form of media is acceptable. For media work, links to streaming sites such as Vimeo, YouTube or SoundCloud are acceptable.

Otherwise, video files must be H.264 QuickTime files. Audio files must be in MP3 format. Photographs, drawings and 3-D work will be accepted as digital photographs. Games or other applications must be playable on contemporary versions of one or more of the following: MacOS, Windows, IOS or Android.

**PERSONAL STATEMENT**

Applicants must submit a written statement (500-750 words) outlining their interest and goals in pursuing graduate study. You should include a thoughtful description of your background, tentative plan of inquiry in the field as you now envision it, the outcomes you hope to get from the degree, your professional goals, and how this graduate programme will help you realise those goals.

All documents must be in English. Otherwise, they must be accompanied by certified translations in English.

If you have any questions, please contact: vcms@sunway.edu.my/03 7491 8622

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**ENTRY REQUIREMENTS**

**POSTGRADUATE PROGRAMME**

**MA IN VISUAL COMMUNICATION & MEDIA STUDIES**

**Bachelor’s Degree**

- A Bachelor’s degree or its equivalent, with a minimum CGPA of 2.75
- A Bachelor’s degree or its equivalent, with a minimum CGPA of 2.50 and not meeting CGPA of 2.75, can be accepted subject to a rigorous internal assessment OR
- A Bachelor’s degree or its equivalent, with a minimum CGPA of 2.50 can be accepted subject to a minimum of 5 years working experience in a relevant field

Other Qualifications

Any other qualifications will be considered on a case-to-case basis

**ENGLISH LANGUAGE REQUIREMENTS**

- IELTS 6.0 or equivalent

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**PROGRAMME STRUCTURE**

This programme is an MA by coursework. You will take six (6) core courses in research, media theory and media practise. From there you will choose two (2) electives in either theory, practise or both. The MA culminates in a Research-Creation Project as a final work. This project will utilise research methodologies in order to create unique visual works expressing the knowledge gained from your research.

The class structure of the programme is as follows:

**CORE COURSES**

- Media Theory
- Research Methodologies
- Interactive Communications
- Narratives in Media
- Strategic Concept and Design
- Professional Practise & Ethics
- Research-Creation Project or Thesis

**ELECTIVES (CHOOSE 2)**

- Emerging Media
- Technology, Development and Media
- Globalisation and Media
- Brand Identity and Narrative
The Master of Arts in Creative Arts and Media at Sunway University is unique and innovative. It provides students with an opportunity to carry out interdisciplinary research and contribute new understanding and insight to disciplines aligned with the School of Arts. Students can opt for a conceptual or research-creation path. By conducting independent scholarly work within a specialist area of creative arts and media, graduates can contribute to the advancement of their respective discipline.

The creative aspect of the Master degree programme offers students the opportunity to develop their work through artistic or academic forms. Students may integrate creative arts practice and the creation of artworks or other artefacts as part of their research. These research-creation works lead them to give interpretations of existing artworks, as well as creative arts practice itself.

Possible areas of investigation include media, communication (journalism, public relations, social media, advertising, broadcasting, digital heritage, the Internet or media policy and regulation) and the arts (film, music, the traditional arts, design, performance and theatre studies).

We welcome historical, theoretical or philosophical approaches along with analytical interpretative inquiry into the works and practices of the creative arts and media.

Potential candidates should contact the Programme Leader to discuss prospective research topics in the area of creative arts and media. Acceptance of their application is subject to a panel review, interview session, and the supervisor’s approval.
PROGRAMME STRUCTURE

The programme is research-based culminating in a thesis (which may include a practical creative arts component, where applicable) that demonstrates mastery of the advanced points, craft and discipline of the area of research. The student is required to complete one taught module - Research Methodologies - before proceeding to the Proposal Defence. This core module introduces students to the fundamentals of academic research and methodologies at the postgraduate level in order to conduct an independent research project.

During the course of their studies, the students will independently design and carry out an extensive research project with the assistance of the supervisor. The emphasis between theory and practice will vary according to the project. Students will develop significant research outcomes that are of national and international significance, and publicly disseminate these results to engage with the scholarly community.

AREAS OF RESEARCH

- Advertising, Broadcasting, Internet, Branding
- Digital Creation
- Film Production
- Journalism, Public Relations, Corporate Communication
- Music and Theatre Performance
- Design
- Visual Arts or New Media Creation
- Culture and Heritage

ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME

Bachelor’s Degree
- A bachelor’s degree with minimum COPA of 2.75 or its equivalent;
- A bachelor’s degree with COPA between 2.50 and less than 2.75 may be accepted with rigorous internal assessment; or
- A bachelor’s degree with COPA lower than 2.50 with at least 5 years’ work experience in the relevant field may be accepted subject to rigorous internal assessment.

Other Qualifications
- Any other qualifications will be considered on a case-to-case basis

MA IN CREATIVE ARTS AND MEDIA

ENGLISH LANGUAGE REQUIREMENTS

IELTS
- 6.0 or equivalent

HOW TO APPLY

Candidates are requested to send the completed application with the following supporting documents to: cam@sunway.edu.my.

- Certified copies of transcripts of Bachelor’s degrees.
- Curriculum Vitae (CV)
- IELTS score or its equivalent (if relevant)
- Soft copy of thesis/written project and/or any appropriate supporting portfolio of materials/prior creative works, where applicable
- Research proposal
- Sunway Postgraduate application form
- Five (5) passport sized photographs
- A copy of national identity card (Malaysians only) or passport (all pages for international students)

RESEARCH PROJECT DESCRIPTION

The research project description should comprise between 1,000 and 2,000 words (excluding references), and covers the following structure:

- An appropriate title for the research project (designated supervisor if known)
- Introduction and justification of the study. This includes:
  i) Research background,
  ii) Problem statement,
  iii) Research objective(s),
  iv) Research question(s)/hypothesis
- Literature review
- Research methodology
- Proposed research schedule
- List of references.

If you have any questions, please contact:
cam@sunway.edu.my
Tel: 603 7491 8622
The Doctor of Philosophy (PhD) in Creative Arts and Media at Sunway University is unique and innovative. It provides students with an opportunity to carry out interdisciplinary research and contribute new understanding and insight to disciplines aligned with the School of Arts. Students can opt for a conceptual or research-creation path. By conducting independent scholarly work within a specialist area of creative arts and media, graduates can contribute to the advancement of their respective discipline.

The creative aspect of the PhD programme offers students the opportunity to develop their work through artistic or academic forms. Students may integrate creative arts practice and the creation of artworks or other artefacts as part of their research. These research-creation works lead them to give interpretations of existing artworks, as well as creative arts practice itself.

Possible areas of investigation include media, communication (journalism, public relations, social media, advertising, broadcasting, digital heritage, the Internet or media policy and regulation) and the arts (film, music, the traditional arts, design, performance and theatre studies).

We welcome historical, theoretical or philosophical approaches along with analytical interpretative inquiry into the works and practices of the creative arts and media.

Potential candidates should contact the Programme Leader to discuss prospective research topics in the area of creative arts and media. Acceptance of their application is subject to a panel review, interview session, and the supervisor’s approval.
PROGRAMME STRUCTURE

The programme is research-based culminating in a thesis (which may include a practical creative arts component, where applicable) that demonstrates mastery of the advanced points, craft and discipline of the area of research. The student is required to complete one taught module - Research Methodologies - before proceeding to the Proposal Defence. This core module introduces students to the fundamentals of academic research and methodologies at the postgraduate level in order to conduct an independent research project.

During the course of their studies, the students will independently design and carry out an extensive research project with the assistance of the supervisor. The emphasis between theory and practice will vary according to the project. Students will develop significant research outcomes that are of national and international significance, and publicly disseminate these results to engage with the scholarly community.

AREAS OF RESEARCH

- Advertising, Broadcasting, Internet, Branding
- Digital Creation
- Film Production
- Journalism, Public Relations, Corporate Communication
- Music and Theatre Performance
- Design
- Visual Arts or New Media Creation
- Culture and Heritage

ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME

Master’s
A master’s degree, with a minimum CGPA of 3.0 or
Other qualifications equivalent to a master’s degree, as accepted by the Senate

Other Qualifications
Any other qualifications will be considered on a case-to-case basis

ENGLISH LANGUAGE REQUIREMENTS

IELTS 6.0 or equivalent

HOW TO APPLY

Candidates are requested to send the completed application with the following supporting documents to: cam@sunway.edu.my.

- Certified copies of transcripts of Masters and undergraduate degrees.
- Curriculum Vitae (CV)
- IELTS score or its equivalent (if relevant)
- Soft copy of thesis/written project and/or any appropriate supporting portfolio of materials/prior creative works, where applicable
- Research proposal
- Sunway Postgraduate application form
- Five (5) passport sized photographs
- A copy of national identity card (Malaysians only) or passport (all pages for international students)

RESEARCH PROJECT DESCRIPTION

The research project description should comprise between 1,500 and 2,000 words (excluding references), and covers the following structure:

a. An appropriate title for the research project (designated supervisor if known)

b. Introduction and justification of the study. This includes:
   i) Research background,
   ii) Problem statement,
   iii) Research objective(s),
   iv) Research question(s)/hypothesis

c. Literature review

d. Research methodology

e. Proposed research schedule

f. List of references.

If you have any questions, please contact:
cam@sunway.edu.my
Tel: 603 7491 8122.
Hospitality is a growing industry that continually innovates to meet the demands of global customers. As the Master in International Hospitality Management represents the service industry, which is evidently growing in advanced economies, this programme will open doors to numerous specialised fields.

The Master in International Hospitality Management (MIHM) is curated to meet the constantly evolving hospitality industry needs. Graduates of the MIHM will be equipped with the industry insights, inter-disciplinary knowledge, global management styles and strategic decision-making techniques, preparing individuals for managerial roles in hospitality and tourism.

In this programme you can expect critical discussions concerning emerging issues and key principles from international dimensions with regards to hospitality management. Students can also expect thorough yet in-depth research studies comprising planning, organisational insight, strategy, and data analyses at a higher-level, crucial to the advancement and innovation of the industry.
ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME

MASTER IN INTERNATIONAL HOSPITALITY MANAGEMENT

Bachelor’s Degree
A recognised Bachelor’s degree or its equivalent with a minimum CGPA of 2.50 out of 4.00 or equivalent from a recognised institution of higher education, as accepted by the University’s Senate.
Or
A Bachelor’s degree with CGPA of below 2.50 out of 4.00 or its equivalent qualification can be accepted subject to a minimum of 5 years of working experience in relevant field.

Other Qualifications
Any other qualifications will be considered on a case-by-case basis

ENGLISH LANGUAGE REQUIREMENTS

IELTS 6.5
TOEFL 400 (paper-based), 250 (computer-based) or 100 (internet-based)
PTE Academic 70 overall

PROGRAMME STRUCTURE

Students need to complete the following modules and one (1) research project.

• Marketing Innovation for Hospitality Business
• Competitive Strategies for Hospitality Business
• Research Methods for Hospitality and Tourism
• Brand Management for Hospitality Business
• Global Food Management
• Leadership for Hospitality Business
• Advanced Revenue Management
• Contemporary Issues in Hospitality
• Events Planning and Management
• Hospitality Research Project

AREAS OF RESEARCH

• Hospitality Management
• Hotel Studies
• Tourism and Hospitality Service Marketing
• Heritage and Culture Tourism
• Tourism and Hospitality Human Resources Management
• Branding and Promotions in Tourism and Hospitality
• Sustainability in Tourism and Hospitality
• Culinary Studies
• Halal Food Studies
• Business Travel and MICE
• Green Events
• Communication in Event Studies

For more information, please email Dr Philip Wong (Programme Leader) at mihm@sunway.edu.my.
This is a postgraduate research degree programme. It focuses on a topic of your choice through an independent research project. It is specifically designed to enable you to develop your research skills and to undertake an independent investigation into your topic of interest, while broadening your knowledge and understanding of an area of psychology. You complete two courses on research methods and statistics before undertaking your research project. Your research contributes to developments in the field of psychology.

You will learn how to critically review research literature as well as how to plan and manage a research project. This programme involves critical thinking, project management and report writing. The skills and attributes you gain from this experience will contribute to your career potentials. This programme is also a springboard for those wishing to continue their studies through to PhD level.

For more information, please refer to:
university.sunway.edu.my/sci/psych-msc
ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME

MSC IN PSYCHOLOGY

Bachelor’s Degree
Other Qualifications

A Bachelor’s degree in Psychology or equivalent with a minimum CGPA of 3.00
Any other qualifications will be considered on a case-to-case basis*

* For case-to-case basis an interview may be required

ENGLISH LANGUAGE REQUIREMENTS

IELTS  6.0
TOEFL  550 (paper-based), 200 (computer-based) or 75 (Internet-based)
PTE Academic  50 overall
MUET  Band 4
Cambridge English: First/CEFR  170 (Grade B2)
Cambridge English: Advanced/CEFR  170 (Grade B2)
SPM English  1119 5C

PROGRAMME STRUCTURE

The programme consists of core modules followed by a master research thesis.

CORE MODULES
• Intermediate Research Methods
• Intermediate Statistics

These modules help students develop the necessary skills to complete their research proposal.

RESEARCH THESIS
• Master’s thesis

AREAS OF RESEARCH

• Biological Psychology – includes the areas of hormones and behaviour, brain function and genetics.
• Cognitive Psychology – includes the areas of attention, perception, learning and language.
• Development Psychology – includes the areas of lifespan development, and the social and cultural contexts of development.
• Individual Differences – includes the areas of personality, intelligence, motivation and mental health.
• Social Psychology – includes the areas of attribution, attitudes, group processes and intergroup relations and close relationships.
• Applied Psychology – includes the areas of clinical and health psychology, education or school psychology and industrial and organisational psychology.
• Research Methods – includes techniques for systematic collection, analysis and interpretation of data to answer questions or solve problems.
As part of your application, you have to nominate TWO (2) referees who can provide reference letters about your suitability to undertake the programme (preferably, one academic and one professional). The letters must be printed on the letterhead of the respective referees’ organisations. Each referee is requested to seal and send the hardcopy of the letter to the correspondence address as stated below. Alternatively, the referee may request the prospective student to send the sealed letter.

Applicants will be required to submit the following documents:

i) Postgraduate application form*
ii) Research statement
iii) Curriculum Vitae (CV)
iv) One (1) passport-sized photograph measuring 3.5cm by 5.0cm – please write your name at the back of each photo
v) Academic qualifications/results (Certificates and complete transcripts)
   [Degree/master’s degree/others]
vi) High school leaving/completion certificate
vii) English Language Qualification (IELTS/TOEFL/MUET/others) — if applicable
viii) A copy of national identity card (Malaysians only) or passport [all pages for international students]
ix) Evidence of financial support [if applicant is a recipient of other scholarship, sponsorship, study loan]

*university.sunway.edu.my/sites/default/files/application/postgraduate.pdf
The Doctor of Philosophy in Psychology is a research higher degree. This research postgraduate programme equips graduates with advanced knowledge of research methods and the skills to independently conduct research in many areas of behavioural science. Students conduct original research which extends the frontiers of knowledge in a specialised area of psychology.

As a result of acquiring the abilities needed to undertake independent research, graduates develop problem solving and critical thinking skills that can be applied in future learning and work environments.

Completion of the programme allows students to become experts who are able to facilitate and contribute to the advancement of psychology. This is a required qualification for people who wish to go onto a career as an academic or independent researcher in psychology.

For more information, please refer to:
university.sunway.edu.my/sci/psych-phd
ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME

DOCTOR OF PHILOSOPHY IN PSYCHOLOGY

Bachelor’s Degree
A Bachelor’s degree in Psychology or equivalent with a CGPA of 3.00; AND
Master’s Degree
A Master’s degree in Psychology

Other Qualifications
Any other qualifications will be considered on a case-to-case basis*

*For case-to-case basis an interview may be required

ENGLISH LANGUAGE REQUIREMENTS

IELTS
7.0

TOEFL
600 (paper-based), 250 (computer-based), 95 (Internet-based)

PTE Academic
65

MUET
Band 5

Cambridge English: Advanced/CEFR
185 (Grade A/C1)

Cambridge English: Advanced/CEFR
185 (Grade B/C1)

SPM English 1119
2A

PROGRAMME STRUCTURE

Before starting their thesis students complete two taught modules: Advanced Research Methods and Advanced Statistics. These modules help students develop the necessary skills to complete their research proposal.

In consultation with their research supervisors, students identify a research problem based on findings from existing research. They then design and conduct research on the identified problem or issue using a range of scientific techniques while following the required ethical standards. They therefore make a unique contribution to understanding the issue under consideration or develop new solutions to address the identified problem.

AREAS OF RESEARCH

• Biological Psychology – includes the areas of hormones and behaviour, brain function and genetics
• Cognitive Psychology – includes the areas of attention, perception, learning and language
• Developmental Psychology – includes the areas of lifespan development, and the social and cultural contexts of development
• Individual Differences – includes the areas of personality, intelligence, motivation and mental health
• Social Psychology – includes the areas of attribution, attitudes, group processes and intergroup relations and close relationships
• Applied Psychology – includes the areas of clinical and health psychology, education or school psychology and industrial and organisational psychology
• Research Methods – includes techniques for systemic collection, analysis and interpretation of data to answer questions or solve problems

HOW TO APPLY

All enquiries and documents are to be sent to the correspondence address or email as below. Incomplete documents will not be processed.

Programme Leader - Doctor of Philosophy in Psychology
Department of Psychology
SUNWAY UNIVERSITY
No. 5, Jalan Universiti, Bandar Sunway
47500 Selangor Darul Ehsan, Malaysia

email: mhlin@sunway.edu.my

IELTS 7.0
TOEFL 600 (paper-based), 250 (computer-based), 95 (Internet-based)
PTE Academic 65
MUET Band 5
Cambridge English: Advanced/CEFR 185 (Grade A/C1)
Cambridge English: Advanced/CEFR 185 (Grade B/C1)
SPM English 1119 2A
Get the opportunity to conduct original research and extend the frontiers of knowledge in a specialised area of your choice in Life Sciences. Acquire the knowledge and skills needed to undertake future, independent research.

MSc in Life Sciences is a research-based Master’s degree programme that provides a platform for students to select and explore a particular area, and to develop problem solving and critical thinking skills that can be applied in life sciences. This programme provides advanced knowledge of, and training in, research methods that will enable graduates to apply their knowledge and skills as researchers, practitioners and administrators in many fields of life sciences and assist them in obtaining employment in areas such as education, health, and the biopharmaceutical industry.

This programme is validated by Lancaster University and upon successful completion, graduates are awarded two certificates; one from Sunway University and another from Lancaster University.

Accredited by Malaysia Qualifications Agency.

**DEGREE > MASTERS**

Graduates with a BSc degree in biological science or a closely related discipline can choose to pursue postgraduate studies at Sunway University.
ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME

MSC IN LIFE SCIENCES

Bachelor’s Degree
A Bachelor’s Degree in Biological Sciences (e.g. Medical Biotech, Biomedicine, etc) or a related field, with minimum CGPA of 2.75 or equivalent

Other Qualifications
Any other qualifications will be considered on a case-to-case basis

ENGLISH LANGUAGE REQUIREMENTS

IELTS
6.0

TOEFL
500 (paper-based), 213 (computer-based), 80 (internet based)

PTE Academic
50 overall (minimum 46 in each skill)

PERSPECTIVES

CAREER PROSPECTS

• Biochemist
• Entrepreneur
• Healthcare manager
• Immunologist
• Laboratory manager
• Lecturer/Science educator
• Microbiologist
• Pharmacologist
• Physiologist
• Product specialist
• Research scientist
• Sales manager
• Quality control specialist

PROGRAMME STRUCTURE

The MSc in Life Sciences consists of one taught module and one thesis. Students will be required to complete a course in Research Methodology. Students will learn about current approaches to research design, data analysis and scientific writing. At the end of this module, candidates will be expected to formulate and submit a proposal for research in an area of their interest or specialisation. Candidates will also develop the necessary skills and knowledge to conduct research successfully.

AREAS OF RESEARCH

Areas of research include:
• Antimicrobials
• Bioinformatics
• Cancer biology and therapeutics
• Cell biology
• Ecology and conservation
• Infectious diseases
• Microbiology
• Molecular biology and genetics
• Neurobiology
• Neurodegenerative diseases
• Virology

Bachelor’s Degree A Bachelor’s Degree in Biological Sciences (e.g. Medical Biotech, Biomedicine, etc) or a related field, with minimum CGPA of 2.75 or equivalent

Other Qualifications Any other qualifications will be considered on a case-to-case basis

IELTS 6.0

TOEFL 500 (paper-based), 213 (computer-based), 80 (internet based)

PTE Academic 50 overall (minimum 46 in each skill)
HOW TO APPLY

a) The following documents must be completed and signed if necessary:
   i) One (1) passport-sized photograph
      • Please write the name at the back of the photograph
      • Passport size photo must be in sky blue background and the measurement
        must be 3.5cm x 5.0cm
   ii) Postgraduate application form
   iii) Research statement
      The statement should be approximately one page and should briefly describe the research
      question that the applicant has discussed with his/her future MSc supervisor.
   iv) Curriculum Vitae (CV)
   v) Scholarship application form
      A one page personal statement to support a request for a scholarship.

b) The following true copies of documents must be certified:
   i) Passport (all pages including blank pages — for international students)/Identity card
      (for Malaysian students)
   ii) English Language Qualification (IELTS/TOEFL/MUET/others) — for international students
   iii) Academic qualifications/results (Certificates and complete transcripts)
      (Degree/master’s degree/others)

c) Please nominate TWO (2) referees who can provide reference letters about your suitability to
   undertake the programme (preferably, one academic and one professional). The letters must be
   printed on the letterhead of the respective referees’ organisations. Each referee is requested
   to seal and send the hardcopy of the letter to the correspondence address as stated below.
   Alternatively, referees may email a scan of the letter directly to the MSc coordinator
   Ms Koh Lay Ai (layaik@sunway.edu.my)

Hardcopies documents from a) to c) are to be sent to the correspondence address as below:
Documents will be processed once the application is complete.

Postgraduate Administrator
Faculty of Science and Technology
SUNWAY UNIVERSITY
No. 5, Jalan Universiti, Bandar Sunway
47500 Selangor Darul Ehsan, Malaysia

For more information, please refer to university.sunway.edu.my/tech/life-sc-msc
Advance your scientific knowledge in your chosen area of research and enhance your hands-on skills in research and science communication.

This is a novel independent research programme that is primarily conducted in Sunway University’s state-of-the-art Biological Sciences research laboratories. Students will be supervised by leading academics in various research areas of biological sciences.

Working with your supervisors, you will be exposed to many aspects of research including critical analysis of literature, identifying niche areas of interest, gathering and analysing data as well as communicating ideas through journal publications and conference presentations.

Tutorials will be conducted in an exclusive, one-to-one manner and supervisors will be on hand to support you throughout the duration of the programme. Prior to enrolment, prospective candidates will have to consult Sunway’s qualified and experienced supervisors to ascertain their area of research.

Accredited by Malaysia Qualifications Agency.
PROGRAMME STRUCTURE
Candidates required to take three modules:

i) Research Design, Analysis and Communication
ii) Research Ethics and Biological Safety, and
iii) Directed Readings and Academic Presentations to enhance their knowledge in research, in addition to the research thesis.

THESIS
The PhD is awarded based on the successful completion of a thesis. The thesis should demonstrate critical thinking and mastery in the subject and chosen area of research.

AREAS OF RESEARCH
Areas of research include:

• Antimicrobials
• Bioinformatics
• Cancer Biology and Therapeutics
• Cell Biology
• Ecology and Conservation
• Infectious Diseases
• Microbiology
• Molecular Biology and Genetics
• Neurobiology
• Neurodegenerative Diseases
• Virology

ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME
Master’s Degree
Other Qualifications

PHD IN BIOLOGY
A Master’s degree in biological sciences discipline or related field
Any other qualifications will be considered on a case-to-case basis

ENGLISH LANGUAGE REQUIREMENTS

IELTS 6.0
TOEFL 550 (paper-based), 213 (computer-based) or 80 (Internet-based)
PTE Academic 50 overall (minimum 46 in each skill)

DURATION
FULL-TIME • 3 YEARS
PART-TIME • 4 YEARS

CAREER PROSPECTS

• Entrepreneur
• Lecturer/Science educator
• Postdoctoral/Research scientist
• Quality control/Health and safety agencies
• R&D (Senior researcher)
• Senior laboratory manager
• Scientific/Medical writer
• Scientific policy (government institutions)

INTAKES
JANUARY
MARCH
JUNE
SEPTEMBER

ENTRY REQUIREMENTS

Postgraduate Programme

PhD in Biology

• Duration & Intakes
• Career Prospects
• Entry Requirements
• Programme Structure
• Areas of Research

DURATION

FULL-TIME • 3 YEARS
PART-TIME • 4 YEARS

CAREER PROSPECTS

• Entrepreneur
• Lecturer/Science educator
• Postdoctoral/Research scientist
• Quality control/Health and safety agencies
• R&D (Senior researcher)
• Senior laboratory manager
• Scientific/Medical writer
• Scientific policy (government institutions)

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JANUARY
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SEPTEMBER

ENTRY REQUIREMENTS

Postgraduate Programme

PhD in Biology

• Duration & Intakes
• Career Prospects
• Entry Requirements
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• Areas of Research

DURATION

FULL-TIME • 3 YEARS
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INTAKES
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ENTRY REQUIREMENTS

Postgraduate Programme

PhD in Biology

• Duration & Intakes
• Career Prospects
• Entry Requirements
• Programme Structure
• Areas of Research

DURATION

FULL-TIME • 3 YEARS
PART-TIME • 4 YEARS

CAREER PROSPECTS

• Entrepreneur
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INTAKES
JANUARY
MARCH
JUNE
SEPTEMBER

ENTRY REQUIREMENTS

Postgraduate Programme

PhD in Biology

• Duration & Intakes
• Career Prospects
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• Areas of Research

DURATION

FULL-TIME • 3 YEARS
PART-TIME • 4 YEARS

CAREER PROSPECTS

• Entrepreneur
• Lecturer/Science educator
• Postdoctoral/Research scientist
• Quality control/Health and safety agencies
• R&D (Senior researcher)
• Senior laboratory manager
• Scientific/Medical writer
• Scientific policy (government institutions)

INTAKES
JANUARY
MARCH
JUNE
SEPTEMBER
A fundamental part of the PhD application procedure is determining the research area of study and preparing a research proposal. When preparing your research proposal, you need to make sure that the specialist area you wish to study is covered by a member(s) of academic staff within the department of Biological Sciences. You can do this by checking either individual staff profiles or the main School of Science and Technology Page:

university.sunway.edu.my/Profiles/Sci-tech

The candidates may also contact individual academic staff to seek opportunities for potential PhD projects.

In addition, the following are required:

i) **Two academic references.** These should be from academic lecturers under whose tutelage you would have been at some point during the duration of your postgraduate/undergraduate degree. The references must be signed and dated within the last 24 months and should be written with regard to your academic skills and your ability to successfully complete the PhD programme. The references will have to be sent from an official email address within the referees’ institutions or on letter-headed paper bearing the institutions’ names.

ii) **One (1) passport-sized photograph**

iii) A recent copy of your Curriculum Vitae (CV)

iv) A research statement, postgraduate application form and scholarship application form if applicable.

v) **Passport** (all pages including blank pages - for international students)/ **Identity card** (for Malaysian students)

vi) **Academic qualifications/results** (Certificates and complete transcripts) (Degree/master’s degree/others that are certified)

vii) International applicants must provide **certified copies** of their entire course transcripts including explanations of the mark schemes used and, where possible, an indication of their class ranking/position in class

viii) **English language Qualification** (IELTS/TOEFL/MUET/others) if applicable

ix) Any other supporting documents that are specified on the application form

**SELECTION PROCESS**

Once we have received your application and evaluated all the essential supporting documents including the research proposal, you will be informed. Incomplete applications will not be evaluated.

We will notify you of our final decision as soon as an appropriate supervisory team has been identified.

For more information, please refer to university.sunway.edu.my/sci/bio-phd
Master of Health Sciences is an advanced degree in the area of Health Science which focuses on research, administration and leadership in delivery of healthcare.

The programme aims to provide graduates with the advanced knowledge and skills in health sciences to deal with the increased complexity in the field of health sciences towards developing healthcare professionals who are competent and skilled with a holistic approach in managing issues and concerns in health sciences.
**ENTRY REQUIREMENTS**

**POSTGRADUATE PROGRAMME**

- Master’s Degree

**MASTER IN HEALTH SCIENCES**

A bachelor degree or equivalent with minimum CGPA of 2.75 in related field, as accepted by the HEP Senate; OR
A bachelor degree or equivalent with CGPA of between 2.50 and 2.75, can be accepted subject to rigorous internal assessment; OR
A bachelor degree or equivalent with CGPA of less than 2.50 in related field and a minimum of 5 years working experience in the related field OR

**Other Qualifications**

Other qualifications equivalent to (i) and (ii) that are accepted by the Sunway University Academic Senate

**ENGLISH LANGUAGE REQUIREMENTS**

IELTS

6.0 or equivalent

Candidates who completed undergraduate studies where the medium of instruction was English would have met the language requirement.

**PROGRAME STRUCTURE**

Students are required to complete all 8 modules.

Full time: 3 modules for long semester, 1 module for short semester.
Part time: 1-2 modules for long semester, 1 module for short semester.

- Clinical Research Methodology
- Biostatistics
- Ethics in Healthcare Science
- Biomedical Physics for Health Sciences
- Current Trend, Technology and Issues in Healthcare Management
- Pathophysiology & Molecular Diagnostics
- Psychology for Health Sciences
- Dissertation

**AREAS OF RESEARCH**

- Ageing health
- Biomarker discovery
- Counselling psychology
- Cyberbullying
- Epidemiology and control of infectious diseases
- Immunology
- Mental health
- Natural products, peptide and therapeutics development
- Radiation biology
- Radiation dosimetry in diagnostic imaging
- Surveillance and health promotion for noncommunicable diseases

**HOW TO APPLY**

1. Candidates can download the application form at https://university.sunway.edu.my/apply
2. All application forms are to be attached with the following documents:
   - Two passport-size photographs with names written at the back of it
   - A copy of Identity Card (Malaysian students) / Passport (International students)
   - Certified true copy of relevant degree-level certificates
   - Certified true copy of relevant degree-level complete transcripts
3. If you are unable to come to campus for registration, you can email to shms@sunway.edu.my the scanned copy of your application form and certified true copy of relevant documents to enable us to gauge eligibility to enroll for this programme.
4. You are required to bring and submit the certified true hardcopy documents to the Registry during orientation.
5. Minimum payment of RM700 Enrolment Fee (Non-refundable) or full payment can be made online via https://epayment.sunway.edu.my.

Note:

If you only made payment for enrolment fee (RM700), balance of fees have to be paid before or on the orientation day.

**CAREER PROSPECTS**

- Academician
- Researcher
- Clinical research study coordinator
- Epidemiologist
- Health service analyst
- Health specialist
- Mental / Behavioural health programme coordinator

**DURATION**

FULL-TIME • 1.5 YEARS

PART-TIME • 2 YEARS

**INTAKE**

AUGUST

**Postgraduate Programme**

**Master In Health Sciences**

• Duration & Intake
• Entry Requirements
• Programme Structure
• Areas of Research
• How To Apply
Master in Medical Science is a research-based programme for students who graduate from a bachelor’s degree in medical science or a related field. It aims to nurture students with holistic approaches including the opportunities for national or international collaborations, the specialised training courses (seminar, workshops, etc), and a rich clinical research experience.

All research students have to take two modules, Clinical Research Methodology and Thesis. Clinical Research Methodology is the taught course and students are required to pass this module before the commencement of project. Students will have a designated supervisor who is a member of academic staff with research expertise in the student’s area of study. At the end of work completion, students are expected to submit their Master’s thesis for examination and attend a defence for their thesis.

**ENTRY REQUIREMENTS**

**POSTGRADUATE PROGRAMME**

**MASTER IN MEDICAL SCIENCE**

Bachelor’s

A Bachelor’s degree in Medical Sciences with minimum CGPA of 2.75 or equivalent, as accepted by the Sunway University Senate; or

A Bachelor’s degree in Medical Sciences or equivalent with a minimum CGPA of 2.50 and not meeting CGPA of 2.75, can be accepted subject to rigorous internal assessment; or

A Bachelor’s degree in Medical Sciences or equivalent not meeting CGPA of 2.50, can be accepted subject to a minimum of 5 years working experience in relevant field.

**ENGLISH LANGUAGE REQUIREMENTS**

<table>
<thead>
<tr>
<th>Test</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOEFL</td>
<td>550 (paper-based), 213 (computer-based), 80 (internet-based)</td>
</tr>
<tr>
<td>IELTS</td>
<td>6.0</td>
</tr>
<tr>
<td>PTE Academic</td>
<td>50 overall (minimum 46 in each skill)</td>
</tr>
<tr>
<td>Cambridge English (First)</td>
<td>75+</td>
</tr>
<tr>
<td>Cambridge English (Advanced)</td>
<td>Minimum 67</td>
</tr>
</tbody>
</table>

Medium of instruction of previous degree in English or Competence in English language.

**AREAS OF RESEARCH**

- Aging
- Anatomy
- Behavioural Health
- Biochemistry
- Biostatistics
- Cancer
- Cardiovascular Disease
- Cholesterol Problems
- Cell Biology
- Counselling Psychology
- Diabetes Mellitus
- Gastrointestinal Disorders
- Histology
- Heart Failure
- Hypertension
- Immunology
- Medical Imaging
- Medical Physics
- Molecular Biology
- Neuroscience
- Nuclear Medicine
- Nutrition Science
- Pain
- Pathology
- Pharmacology
- Physiology
- Primary Care Disorders
- Primary Care Geriatrics
- Radiation
- Radiotherapy
- Tissue Engineering
- Toxicology
- Virology
In this research-based programme, students are actively engaged in bidirectional translational medicine. The programme emphasises on the study that either brings the current issues from patients and medical care to the laboratory settings, or takes scientific discoveries made in the laboratory or the clinic and transforms them into new treatments and approaches to improve health and medical care in the community.

Along with the supervisory guidance, students identify the research question within the scope of medical science and work independently on the research project. Students are required to complete one taught module – Clinical Research Methodology which is designed to prepare students for their competency in project planning and management, and also becoming ethically literate and socially responsible. To graduate, students must produce a thesis based on their original research and subsequently pass the thesis examination and viva voce.
**ENTRY REQUIREMENTS**

**POSTGRADUATE PROGRAMME**
- Master’s Degree
- Other Qualifications

**PHD IN MEDICAL SCIENCE**
- A Master’s degree related to Medical Science
- Other qualifications that are equivalent to a Master’s degree or professional qualification related to the field of Medical Science and experience recognised by the University Senate

**ENGLISH LANGUAGE REQUIREMENTS**
- IELTS 6.0
- TOEFL 550 (paper-based), 213 (computer-based), 80 (internet-based)
- PTE Academic 50 overall (minimum 46 in each skill)
- Cambridge English (First) Minimum 75+
- Cambridge English (Advanced) Minimum 67
- Medium of instruction of previous degree in English or Competence in English language

**PROGRAMME STRUCTURE**

The programme consists of one taught module – Clinical Research Methodology and one thesis. Students are required to complete the taught module before they proceed to the submission of thesis.

**CLINICAL RESEARCH METHODOLOGY**
An advanced study the management of a research project. The first part discusses the design of a scientific project in health and medical settings, including research questions, hypothesis, method selection, problem solving, and data collection and analysis. The second part consists of ethical theory and ethical issues related to clinical research especially the application of ethics for utilizing human specimens. The third part of this subject focuses on the statistical analysis and its methods.

**THESIS**
Production of thesis is based on students’ original research throughout the PhD candidature. Students must submit a PhD thesis and obtain a pass grade in the thesis examination in order to be awarded a PhD degree.

**AREAS OF RESEARCH**
- Aging
- Anatomy
- Behavioral Health
- Biochemistry
- Biostatistics
- Cancer
- Cardiovascular Disease
- Cholesterol Problems
- Cell Biology
- Counseling Psychology
- Diabetes Mellitus
- Gastrointestinal Disorders
- Genetics
- Histology
- Heart Failure
- Hypertension
- Immunology
- Medical Imaging
- Medical Physics
- Microbiology
- Molecular Biology
- Neuroscience
- Nuclear Medicine
- Nutrition Science
- Pain
- Pathology
- Pharmacology
- Physiology
- Primary Care Disorders
- Primary Care Geriatrics
- Radiation
- Radiotherapy
- Tissue Engineering
- Toxicology
- Virology

**HOW TO APPLY**

The following documents must be completed and signed if necessary:

**a) The following documents must be completed and signed if necessary:**

i) One (1) passport-sized photographs
   - Please write the name at the back of the photographs
   - Passport size photos must be in sky blue background and the measurement must be 3.5cm x 5.0cm

**b) The following true copies of documents must be certified:**

i) Postgraduate application form
ii) Research statement/proposal (details are described in the application form)
iii) A recent copy of your Curriculum Vitae (CV)
iv) Scholarship application form including one (1) page personal statement to support a request for a scholarship (if applicable).

**c) Two (2) academic references.** These should be from academic lectures under whose tutelage you would have been at some point during the duration of your postgraduate/undergraduate degree. The references must be signed and dated within the last 24 months and should be written with regard to your academic skills and your ability to successfully complete the PhD programme. The references will have to be sent from an official email address within the referees’ institutions or on letter-headed paper bearing the institutions’ names.

Hardcopies documents from a) to c) are to be sent to the correspondence address as below.

Documents will be processed once the application is complete.

**Postgraduate Administrator**
School of Healthcare and Medical Sciences
SUNWAY UNIVERSITY
No. 5, Jalan Universiti, Bandar Sunway
47500 Selangor Darul Ehsan, Malaysia
The programme aims to provide graduates with advanced knowledge and skills in Geriatric Medicine to deal with the increase in global population aging and increased complexity in the field of medicine. This program will contribute to developing competent and skilled medical practitioners who have a caring and holistic approach in managing older patients.
**ENTRY REQUIREMENTS**

**POSTGRADUATE PROGRAMME**

- At least 1 year of post housemanship experience
- Minimum 6 months direct patient care and/or in clinical medicine
- Registered Malaysia Medical Council (MMC) members or equivalent

**POSTGRADUATE DIPLOMA IN PRIMARY CARE FOR THE ELDERLY**

- IELTS Band 5.0 or its equivalent
- TOEFL 550 (paper-based), 200 (computer-based) or 75 (Internet-based)
- MUET Band 4

**ENGLISH LANGUAGE REQUIREMENTS**

**MODE OF DELIVERY**

- Work Based Learning
- Lectures
- Workshops
- Clinical Attachments
- Discussions
- Project
- Online & Blended Learning

**SPECIAL INSTRUCTIONS**

- The duration for each module is 6 weeks
- Every week there is a live stream of 2 hours
- Clinical attachment is 3 days every 6 weeks
- Weekend Workshops and face to face learning for 2 days every 3 months

**PROGRAMME STRUCTURE**

The programme consists of core modules followed by an elective module. Candidates are required to take all core modules and select one out of the three elective modules offered.

**CORE COURSES**
- Fundamentals of Geriatric Medicine
- General Medical Condition in Older Persons: Cardiovascular and Respiratory Diseases
- Communication, Counselling and Cognitive Spectrum Disorders, Legal and Ethical Aspects of Ageing
- General Medical Condition in Older Persons: Metabolic Renal and Musculoskeletal Diseases
- Preventive Health, Rehabilitation and Integrated Care of the Older Person
- Postural Instability and Falls
- General Medical Condition in Older Persons: Nervous, Endocrine, Gastroenterology and Genitourinary Diseases

**ELECTIVES (CHOOSE 1)**
- Psychology and Ageing
- Nutrition and Oral Health in the Older Person
- Death and Dying in Older Person

**HOW TO APPLY**

1. Candidates can download the application form at [https://university.sunway.edu.my/apply](https://university.sunway.edu.my/apply)
2. If you are busy with work and unable to come to campus for registration, candidates can email to shms@sunway.edu.my / nurula@sunway.edu.my the scanned copy of the application form and academic transcripts to enable us to gauge eligibility to enrol for this programme and we will issue a conditional offer – subject to verification of original documents.
3. You are required to bring and submit the certified true copy during orientation to the Registry. If the applicant has submitted their certified true copy of documents and met the entry requirement, an offer without conditions will be issued.
4. All application forms are to be attached with the following documents:
   i) Academic qualifications/results (Certificates & complete transcripts)
   ii) Annual practising certificate (Registered medical officer)
   iii) Evidence/record of at least 1 year working experience post-housemanship
   iv) Evidence/record of current place of practice
   v) A copy of national identity card (Malaysians only) or passport (all pages for international students)
   vi) Two (2) passport-sized photographs with names written at the back of it
5. Minimum payment of RM700 (Enrolment Fee) or full payment (For those who only made payment for enrolment fee, balance of fees will have to be paid before or on the orientation day)
6. Payment can be made online via [https://epayment.sunway.edu.my](https://epayment.sunway.edu.my)
The MSc in Computer Science programme will train you to carry out research in current and emerging fields within the Information Technology industry.

With the aim of expanding your intellect by nurturing advanced knowledge in specialist technical subject areas, our focus is to enable you to lead future developments be it in the industry or in academia. You will be integrated as members of our research groups at Sunway University with various opportunities to participate in research alongside your supervisors through seminars, workshops, laboratory experiments and fieldwork. Graduates of the MSc in Computer Science will have competencies in theory and practice of ICT and Computer Science. They will be well-equipped with analytical and problem-solving skills to work as senior consultants or in managerial positions in their field of study.

The MSc in Computer Science (by Research) consists of two taught modules and one thesis. Students will be required to complete two taught modules, namely Research Methodology and Directed Readings, before they proceed to writing the thesis. By undergoing these two modules, students will develop the necessary skills and knowledge to conduct research successfully towards attaining their Master’s degree.

This degree is validated by Lancaster University and upon the successful completion of the programme, graduates are awarded two certificates; one from Sunway University and another from Lancaster University.

Graduates of the MSc in Computer Science can choose to enter the workforce after completion of the Master’s degree or undertake further studies at Sunway University, subject to terms and conditions.
PROGRAMME STRUCTURE

The MSc in Computer Science (by Research) consists of two taught modules and one thesis.

Students will be required to complete two taught modules, namely Research Methodology and Directed Readings, before proceeding to write the thesis. By undergoing these two modules, candidates will develop the necessary skills and knowledge to conduct research successfully towards the Master’s degree.

RESEARCH METHODOLOGY

The MSc in Computer Science (by Research) consists of two taught modules and one thesis. Students will be required to complete two taught modules, namely Research Methodology and Directed Readings, before proceeding to write the thesis. By undergoing these two modules, candidates will develop the necessary skills and knowledge to conduct research successfully towards the Master’s degree.

DIRECTED READINGS

This module will provide students with comprehensive reading lists and resources to help them develop their hypothesis or areas of interest. Library skills and training on how to manage information and resources will also be introduced in this module.

THESIS

The MSc is awarded based on the successful completion of a thesis. The thesis should demonstrate proficiency, criticality and mastery in the subject or chosen area of research.

For more information, please refer to university.sunway.edu.my/tech/comp-sc-msc
Information Systems are a critical part of an organisation’s IT infrastructure. The MSc in Information Systems strategically positions you to undertake information systems research that is theoretically and methodologically diligent.

With the aim of expanding your intellect by nurturing advanced knowledge in specialist technical and analysis subject areas, our focus is to enable you to lead future developments be it in the industry or in academia. The programme gives you the opportunity to pursue research in an aspect of Information Systems that particularly interests you and organisations.

The programme enables you to develop capabilities in planning, organising, and carrying out research studies at a higher intellectual level. It expands your knowledge of research within your chosen field and helps you develop skills in communicating your research work. You will be integrated as members of our research groups at Sunway University with various opportunities to participate in research alongside your supervisors through seminars, workshops, experiments, and fieldwork.

Graduates of the MSc in Information Systems will have competencies in Information Systems theory and practice of ICT. They will be well-equipped with analytical and problem-solving skills to work as system analysts, consultants, or in managerial positions in their field of study who can manage information resources, understand the technologies and analyse information system data for decision making that are crucial to ensuring the success of today’s modern enterprises.

The MSc in Information Systems consists of two taught modules and one thesis. Students will be required to complete two taught modules, namely Research Methodology and Directed Readings before they proceed to write the thesis. By undergoing these two modules, students will develop the necessary skills and knowledge to conduct research successfully towards attaining their master’s degree.

This degree is validated by Lancaster University and upon successful completion of the programme, graduates are awarded two certificates, one from Sunway University and another from Lancaster University.

Graduates of the MSc in Information Systems can choose to enter the workforce after completion of the Master’s degree or undertake further studies at Sunway University, subject to terms and conditions.
PROGRAMME STRUCTURE

The MSc in Information Systems consists of two taught modules and one thesis. Candidates will be required to complete two taught modules, namely Research Methodology and Directed Readings, before proceeding to write the thesis. By undergoing these two modules, candidates will develop the necessary skills and knowledge to conduct research successfully towards the Master's degree.

RESEARCH METHODOLOGY
Candidates will have an opportunity to examine research designs with methodology as well as data analysis techniques employed by Information Systems researchers. At the end of this module, candidates will be expected to formulate and submit a proposal for research in an area of their own interest or specialisation.

DIRECTED READINGS
This module will provide students with comprehensive reading lists and resources to help them develop research models and areas of interest. Literature review skills and training on how to manage information and resources will also be introduced in this module.

THESIS
The MSc is awarded based on the successful completion of a thesis. The thesis should demonstrate proficiency, criticality and mastery in the subject or chosen area of research.

For more information, please refer to university.sunway.edu.my/tech/info-sys-msc
Candidates of the Doctor of Philosophy in Computing at Sunway University will be leaders and innovators in the fields of computing, information and communications technology.

This research-driven programme aims to further develop your research skills in one of a number of crucial areas of computing. Working closely with your supervisors, you will be exposed to the many aspects of research activities including conducting critical analysis of the literature, identifying areas of contribution, compiling information, and communicating ideas through journal publications and conference presentations.

Supervision will be provided in an exclusive and one-to-one manner, and supervisors will be on hand to support you throughout the duration of the programme. Prior to enrollment, prospective candidates will have the luxury of consultation by Sunway’s qualified and experienced supervisors to determine their areas of research.

The PhD in Computing is a homegrown programme with growing numbers of graduates.
ENTRY REQUIREMENTS

A Master’s Degree in Computing or related fields. Candidates holding a Master’s degree in a field other than Computing will be considered provided they hold a Bachelor’s Degree in Computing or a closely related field. Any other qualifications will be considered on a case-to-case basis.

ENGLISH LANGUAGE REQUIREMENTS

- IELTS 6.0
- TOEFL 550 (paper-based), 213 (computer-based) or 80 (Internet-based)
- PTE Academic 50 overall (minimum 46 in each skill)

PROGRAMME STRUCTURE

The programme consists of core modules followed by a doctoral research thesis.

THE CORE MODULES

Candidates are required to complete three modules, namely Research Methodology, Directed Readings, and Research Proposal, to enhance their knowledge in research. Candidates must complete a written thesis of their work.

THESIS

The PhD is awarded based on the successful completion of a thesis. The thesis should demonstrate proficiency, criticality and mastery in the subject or chosen area of research.

For more information, please refer to university.sunway.edu.my/tech/comp-phd
The school has a dedicated team of academicians who will mentor and discuss possible research topics with you in the following areas of research interests, but not limited to:

- 5G Networks
- Activity Recognition
- Affective Computing
- Artificial Intelligence
- Big Data Analytics
- Biometrics
- Business Intelligence Computing
- Cognitive Radio
- Cognitive Systems
- Computational Statistics
- Computer Networking
- Computer Vision
- Context Awareness
- Cultural Aspects of IT
- Data & Information Science
- Data & Knowledge Engineering
- Data Analytics
- Data Mining and Knowledge Discovery
- Distributed Systems Making
- Evolutionary Computation
- Haptics
- Human Computer Interaction
- Image Processing
- Information Extraction and Visualisation
- Information Privacy & Security
- Information Systems Analysis & Design
- Information Systems Management & Strategy
- Information Technology Adoption & Decision
- Knowledge Engineering and Management
- Management in Information Systems
- Mobile Computing
- Multimedia Communications
- Multimodal Sensing
- Network and Computer Security
- Pattern Recognition
- Sentiment Analysis
- Social Computing & Current Aspects of IT
- Software Engineering
- Statistical Computing
- Tele-robotics
- Text Analysis
- Touch Engineering
- Ubiquitous Computing
- User-centric Computing
- Virtual Reality
- Visual Processing
- Visualisation
- Wireless Networking
- Wireless Sensor Networks

**HOW TO APPLY**

**(MSC IN COMPUTER SCIENCE/MSC IN INFORMATION SYSTEMS/PHD IN COMPUTING):**

Applicants will be required to submit the following documents:

1. Postgraduate application form*
2. Research statement
   - The statement should briefly describe the research question that the applicant has discussed with his/her future MSc/PhD supervisor.
3. Curriculum Vitae (CV)
4. Academic qualifications/results (Certificates and complete transcripts) (Degree/master’s degree/ others)
5. Two (2) reference letters
6. One (1) passport-sized photograph
7. English Language Qualification (IELTS/TOEFL/MUET/others) - for international students
8. Scholarship application form (if any)

Documents will be processed once the application is complete.

*university.sunway.edu.my/sites/default/files/application/postgraduate.pdf
This novel PhD programme is developed in line with United Nation’s (UN) sustainable development goals (SDG) and conducted at Sunway University’s state of art laboratories. Programme is supported by its unique state of art lab facilities under different centres and departments with brand-new high-end equipment that was built by spending for about RM20 Million. Moreover, programme has highly qualified, experienced and world class academicians to supervise and train postgraduate students to be leaders in academia and industry. Students will be exposed to many aspects of research including critical analysis of literature, identifying niche areas of interest, collecting and analysing data and communicating ideas through journal publications, book chapters and conference presentations. Students can consult Sunway’s qualified and experienced supervisors to ascertain their area of research even prior to enrolment.
**ENTRY REQUIREMENTS**

**POSTGRADUATE PROGRAMME**
- Master’s Degree
- Other Qualifications

**PHD IN SUSTAINABILITY SCIENCE AND TECHNOLOGY**
- A Master’s degree (Level 7, MQF) in Science or Engineering disciplines which can be accepted by the Academic Senate.
- Any other qualifications will be considered on a case-to-case basis.

**ENGLISH LANGUAGE REQUIREMENTS**
- **TOEFL** 550 (paper-based), 213 (computer-based), 80 (internet-based)
- **IELTS** 6.0 or equivalent
- **PTE Academic** 50 overall (minimum 46 in each skill)
- Or Medium of instruction should be English at undergraduate and Master’s level.

**DURATION**
- **FULL-TIME**
  - 3 YEARS (MINIMUM)
  - 6 YEARS (MAXIMUM)
- **PART-TIME**
  - 4 YEARS (MINIMUM)
  - 8 YEARS (MAXIMUM)

**INTAKES**
- JANUARY
- MARCH
- JUNE

**PROGRAMME STRUCTURE**

The programme consists of core modules followed by a doctoral research thesis.

**MODULES**
Candidates are required to take only one module namely Research Methodology to learn the techniques used to identify, select, process, and analyse information about a topic in research, in addition to the thesis component.

**THESIS**
The PhD is awarded based on the successful completion of a thesis. The thesis should demonstrate proficiency, criticality and mastery in the subject or chosen area of research.

**AREAS OF RESEARCH**
- Sustainability Science and Technology
- Emerging Nanomaterials
- Development and optimization of renewable energy systems
- Energy Storage
- Advanced heat transfer fluids
- Novel green solvents with properties tuned for CO₂ capture
- Development of new solid sorbents for CO₂ capture
- Development and optimisation of CO₂ conversion processes
- Porous metal-organic species for gas storage/separation
- Co-crystal formation for "new forms of old drugs", solid-state reactions and Metal-based drugs
- Sustainable smart city
- Machine learning

**HOW TO APPLY**

a) Applicants will be required to submit the following completed and signed documents:
   - i) Postgraduate application form*
   - ii) One (1) passport-sized photograph
   - iii) Research statement: The statement should briefly describe the research question that the applicant has discussed with his/her future PhD supervisor.
   - iv) Curriculum Vitae (CV)
   - v) Scholarship application form (if any)

   *university.sunway.edu.my/sites/default/files/application/postgraduate.pdf

b) The following true copies of documents must be certified:
   - i) Passport (all pages including blank pages - for international students)/Identity card (for Malaysian students)
   - ii) English Language Qualification (IELTS/TOEFL/ MUET/others) - for international students
   - iii) Academic qualifications/results (Certificates and complete transcripts) (Degree/master’s degree/others)
   - iv) International applicants must provide certified copies of their entire course transcripts including explanations of the mark schemes used and, where possible, an indication of their class ranking/position in class

c) Two (2) reference letters

Documents will be processed once the application is complete. Incomplete applications will not be evaluated. We will notify you of our final decision as soon as an appropriate supervisory team has been identified.
The MSc in Actuarial Science covers a broader scope in research areas of actuarial and mathematical sciences, embedding the most urgent and current issues facing the actuarial and financial world.

The current world financial ecosystem needs to embrace the uncertainty and hazards in a changing environment, characterised by numerous unpredictable events such as climate change, natural disasters and financial crisis. Unpredictable damage brought about by the occurrence of such events can have a deep impact on the actuarial and finance industries, particularly in the area of insurance and reinsurance. Graduates of the MSc in Actuarial Science will gain competence in research skills in areas such as catastrophe modelling, disaster management, corporate failure, financial crisis, longevity and morbidity risk, pension planning and pricing of insurance or reinsurance products. You will also be equipped with skill sets to embark on careers in financial management, insurance or reinsurance and other risk-related analysis.

The MSc in Actuarial Science programme empowers students with a competitive edge in research through in-depth training mediated by experts. As a postgraduate student, you will be integrated as members of our research groups at Sunway University with various opportunities to participate in research alongside supervisors through seminars, workshops, laboratory and field work.
**ENTRY REQUIREMENTS**

**POSTGRADUATE PROGRAMME**

Bachelor’s Degree

A Bachelor’s Degree in Actuarial Science, Mathematics, Statistics, Quantitative Analysis or related area with minimum CGPA of 2.75 or equivalent

Other Qualifications

Any other qualifications will be considered on a case-to-case basis

**ENGLISH LANGUAGE REQUIREMENTS** [for International Applicants]

- IELTS
- 6.0
- 550 (paper-based), 213 (computer-based) or 80 (Internet-based)

- TOEFL
- 520 overall (minimum 66 in each skill)

- PTE Academic
- 55 overall (minimum 67 in each skill)

- Cambridge English: First
- 75

- Cambridge English: Advanced
- Minimum 67

**PROGRAMME STRUCTURE**

The MSc in Actuarial Science consists of two taught modules and one thesis. You will be required to complete two taught modules, namely Research Methodology and Directed Readings, before proceeding to write the thesis. By undergoing these two modules, you will develop the necessary skills and knowledge to conduct research successfully towards the Master’s degree.

**RESEARCH METHODOLOGY**

In this module, you will have an opportunity to examine research designs with methodology as well as data analysis techniques employed by researchers. At the end of this module, you will be expected to formulate and submit a proposal for research in an area of your own interest or specialisation.

**DIRECTED READINGS**

This module will provide you with comprehensive reading lists and resources to help you develop your hypothesis or areas of interest. Library skills and training on how to manage information and resources will also be introduced in this module.

**THESIS**

The MSc is awarded based on the successful completion of a thesis. The thesis should demonstrate proficiency, criticality and mastery in the subject or chosen area of research.

**AREAS OF RESEARCH**

The School has a dedicated team of academicians and in-house actuaries who will mentor and discuss possible research topics with you in the following areas of research interests, but not limited to:

- Credit risk modelling
- Financial modelling
- Insurance pricing optimisation
- Loss reserving techniques
- Mortality/morbidity/longevity of a population
- Risk management
- Statistics and actuarial modelling

**HOW TO APPLY**

As part of your application, please nominate TWO (2) referees who can provide reference letters about your suitability to undertake the programme (preferably, one academic and one professional). The letters must be printed on the letterhead of the respective referees’ organisations. Each referee is requested to seal and send the hardcopy of the letter to the correspondence address as stated below. Alternatively, the referee may request the prospective student to send the sealed letter.

Applicants will be required to submit the following documents:

i) Postgraduate application form*

ii) Research statement

iii) Curriculum Vitae (CV)

iv) Scholarship application form (if any)

v) English Language Qualification (IELTS/TOEFL/ others) for International Applicants

vi) Certified True Copy of Academic Qualifications/Results (Certificates and Complete Transcripts) [Degree/Others]

vii) One (1) passport-sized photograph

viii) Certified True Copy of National Identity Card [Malaysians Only] or Passport (ALL Pages for International Applicants)


All documents are to be sent to the correspondence address or email stated below. Incomplete documents will not be processed.

Programme Leader - MSC in Actuarial Science

School of Mathematical Sciences

SUNWAY UNIVERSITY

No. 5, Jalan Universiti, Sunway City

47500 Selangor Darul Ehsan, Malaysia

Email: hueytyngc@sunway.edu.my
Embark in high quality and innovative research in the broad field of mathematical sciences, that demonstrates the beauty of numbers and algorithms, and their usefulness in decision-making and problem-solving.

This research programme aims to develop your research skills in one of the many exciting areas of mathematics, ranging from pure mathematics, applied mathematics to applied statistics. Working closely with your supervisors, you will be exposed to the different aspects of research activities, including developing a comprehensive literature review, identifying areas of contribution, and communicating research outputs via journal publications and conference presentations.

The PhD in Mathematical Sciences will equip you with strong mathematical, analytical and statistical data analysis skills, to become experts and well-qualified researchers.
ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME

Master’s Degree

A Master’s Degree in Mathematics, Statistics, Actuarial Science, Operations Research, Quantitative Sciences, or other related fields

Other Qualifications

Any other qualifications will be considered on a case-to-case basis

ENGLISH LANGUAGE REQUIREMENTS (for International Applicants)

IELTS 6.0

TOEFL 550 (paper-based), 213 (computer-based) or 80 (Internet-based)

THESIS

The PhD is awarded based on the successful completion of a thesis. The Thesis should demonstrate proficiency, criticality and mastery in the subject or chosen area of research.

AREAS OF RESEARCH

The School has a dedicated team of academicians who will mentor and discuss possible research topics with you in the following areas of research interests, but not limited to:

• Applications of Statistics in finance and insurance
• Applied probability
• Applied stochastic processes
• Big data analytics
• Combinatorics
• Computational fluid dynamics
• Credit risk modelling
• Evolutionary computation
• Graph theory
• Linear and multilinear algebra
• Longevity studies
• Mathematics education
• Mathematical modelling
• Multivariate analysis
• Medical statistics
• Neural networks
• Numerical optimisation
• Optimal control computation
• Simulation
• Statistical modelling
• Statistical quality control
• Time series modelling

HOW TO APPLY

As part of your application, please nominate TWO (2) referees who can provide reference letters about your suitability to undertake the programme (preferably, one academic and one professional). The letters must be printed on the letterhead of the respective referees’ organisations. Each referee is requested to seal and send the hardcopy of the letter to the correspondence address stated below. Alternatively, the referee may request the prospective student to send the sealed letter.

Applicants will be required to submit the following documents:

i) Postgraduate application form*
ii) Research statement
iii) Curriculum Vitae (CV)
iv) Scholarship application form (if any)
v) English Language Qualification (IELTS/TOEFL/ others) for International Applicants
vi) Certified True Copy of Academic Qualifications/Results (Certificates and Complete Transcripts) [Degree/Master’s Degree/Other(s)] for International Applicants
vii) One (1) passport-sized photograph
viii) Certified True Copy of National Identity Card [Malaysians Only] or Passport [ALL Pages for International Applicants]

*university.sunway.edu.my/sites/default/files/application/postgraduate.pdf

All documents are to be sent to the correspondence address or email stated below. Incomplete documents will not be processed.

Programme Leader - PhD in Mathematical Sciences
School of Mathematical Sciences
SUNWAY UNIVERSITY
No. 5, Jalan Universiti, Sunway City
47500 Selangor Darul Ehsan, Malaysia
Email: keehuongl@sunway.edu.my

PROGRAMME STRUCTURE

The programme consists of core modules and followed by a research thesis.

THE MODULES

Candidates are required to complete three modules, namely Research Methodology, Academic Writing, and Research Proposal, in addition to the Thesis component. By undergoing these modules, candidates will develop the necessary skills and knowledge to conduct research successfully towards the completion of the Thesis.

DURATION

FULL-TIME • 3 YEARS
PART-TIME • 4 YEARS

INTAKES

JANUARY MARCH JUNE SEPTEMBER

CAREER PROSPECTS

Doctoral graduates may enter careers in academia, consulting or research, as well as undertake specialist roles in areas related to mathematics and statistics in various organisations, such as universities, research institutes, and industrial R&D laboratories.

SEPTEMBER JANUARY MARCH JUNE

THESIS

The PhD is awarded based on the successful completion of a thesis. The Thesis should demonstrate proficiency, criticality and mastery in the subject or chosen area of research.

AREAS OF RESEARCH

The School has a dedicated team of academicians who will mentor and discuss possible research topics with you in the following areas of research interests, but not limited to:

• Applications of Statistics in finance and insurance
• Applied probability
• Applied stochastic processes
• Big data analytics
• Combinatorics
• Computational fluid dynamics
• Credit risk modelling
• Evolutionary computation
• Graph theory
• Linear and multilinear algebra
• Longevity studies
• Mathematics education
• Mathematical modelling
• Multivariate analysis
• Medical statistics
• Neural networks
• Numerical optimisation
• Optimal control computation
• Simulation
• Statistical modelling
• Statistical quality control
• Time series modelling

HOW TO APPLY

As part of your application, please nominate TWO (2) referees who can provide reference letters about your suitability to undertake the programme (preferably, one academic and one professional). The letters must be printed on the letterhead of the respective referees’ organisations. Each referee is requested to seal and send the hardcopy of the letter to the correspondence address stated below. Alternatively, the referee may request the prospective student to send the sealed letter.

Applicants will be required to submit the following documents:

i) Postgraduate application form*
ii) Research statement
iii) Curriculum Vitae (CV)
iv) Scholarship application form (if any)
v) English Language Qualification (IELTS/TOEFL/ others) for International Applicants
vi) Certified True Copy of Academic Qualifications/Results (Certificates and Complete Transcripts) [Degree/Master’s Degree/Other(s)] for International Applicants
vii) One (1) passport-sized photograph
viii) Certified True Copy of National Identity Card [Malaysians Only] or Passport [ALL Pages for International Applicants]

*university.sunway.edu.my/sites/default/files/application/postgraduate.pdf

All documents are to be sent to the correspondence address or email stated below. Incomplete documents will not be processed.

Programme Leader - PhD in Mathematical Sciences
School of Mathematical Sciences
SUNWAY UNIVERSITY
No. 5, Jalan Universiti, Sunway City
47500 Selangor Darul Ehsan, Malaysia
Email: keehuongl@sunway.edu.my

PROGRAMME STRUCTURE

The programme consists of core modules and followed by a research thesis.

THE MODULES

Candidates are required to complete three modules, namely Research Methodology, Academic Writing, and Research Proposal, in addition to the Thesis component. By undergoing these modules, candidates will develop the necessary skills and knowledge to conduct research successfully towards the completion of the Thesis.
The Master in Sustainable Development Management at the Jeffrey Sachs Center aims to create a new generation of multidisciplinary practitioners adept at management and problem-solving using analytics and systems thinking guided by global concerns.

WHY CHOOSE THIS PROGRAMME
In the pursuit of economic and technological progress, we have exploited our resources and are at risk of going beyond our planetary boundaries. Yet for all our advances, poverty, inequality and illness remain rife in many parts of the world, and environmental degradation worsens with each passing day.

This is where you come in. The world is in desperate need of pioneers who have the knowledge and skills to transform business as usual and lead us on a more sustainable path. For this reason, we have created a programme to equip passionate, ambitious people with practical ideas and technical know-how to achieve positive environmental, social and development outcomes.

The Master in Sustainable Development Management will expose students to the scientific, technological, economic, and business understandings of the challenges to sustainable development, as well as provide them with in-depth knowledge of specific subject areas, such as climate change, urban sustainability, energy, water, infrastructure, biodiversity, land-use, waste management and corporate responsibility.

WHERE THIS MASTER’S COULD TAKE YOU
Graduates from the programme are expected to work in public and private organisations at all levels. They will use their new knowledge and skills to generate solutions in their organisations, or embark on new career paths and ventures.

Whether they choose to become corporate innovators, social entrepreneurs, educators, consultants, political leaders, civil society activists, writers, or policymakers, they will be agents of change.

WHO WE’RE LOOKING FOR
Complex problems require multidisciplinary solutions. The Master in Sustainable Development Management is designed to attract candidates from a diverse range of expertise – from social sciences, public administration, business, engineering, physical sciences, information technology, communications, media and civil society organisations. We are looking for people who are passionate about developing skills in sustainable development, who want to make an impact in their organisations and societies, and who want to take their careers to the next level.
ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME

MASTER IN SUSTAINABLE DEVELOPMENT MANAGEMENT

Bachelor’s Degree

A Bachelor’s Degree (Level 6, MQF) or its equivalent, with a minimum CGPA of 2.50 out of 4.00, or equivalent from a recognised Institution of Higher Education, as accepted by the University’s Senate; OR

A Bachelor’s Degree (Level 6, MQF) with CGPA below 2.50 out of 4.00 or its equivalent qualifications can be accepted subject to a minimum of 5 years working experience in relevant field; OR

Any other equivalent professional qualification recognised by the Malaysian Government.

ENGLISH LANGUAGE REQUIREMENTS

Candidates who completed undergraduate studies where the medium of instruction was English would have met the language requirements.

International candidates should demonstrate English proficiency sufficient to meet the needs of the programme either through satisfactory completion of tertiary-level study in an English medium; or through an English language proficiency test with indicative scores as follows:

- IELTS: 6.0
- TOEFL: 75 (Internet-based)
- PTE Academic: 50 overall

PROGRAMME STRUCTURE

CORE

- Earth’s Climate System
- Economics of Sustainability Management
- Sustainable Management and Operations
- Corporate Sustainability Strategies
- Research Methods
- Finance and Sustainability
- Research Project I
- Research Project II
- Social Entrepreneurship and Development

ELECTIVES (5 ONLY)

- Governance in Sustainable Development
- Smart Tech & IOT
- Sustainable Agriculture and Food Systems
- Biodiversity
- Sustainable Economic Development
- Sustainable Urban Practices
- Sustainable Forestry
- Sustainable Transportation
- Innovative Sustainable Leadership

CLASSROOM/FULLY ONLINE

The classes are held during weekends at time slots convenient to students. As the interactive teaching would be conducted inside a Sunway University classroom, students can choose to be in Kuala Lumpur to receive in-person teaching (when no public health lockdown is in effect) or distance learning (fully online).

HOW TO APPLY

Acceptance into the programme is by application and selection only. The application form may be downloaded from jeffreysachs.center/graduate-study

As part of your application, you will need to nominate two referees who are senior people acquainted with your work and who must provide a written comment on your academic and/or professional suitability to undertake the programme.

Applicants will be required to submit:

- A detailed CV
- A certified copy of each degree-level certificate obtained
- Certified copies of all degree-level transcripts
- IELTS/TOEFL/PTE score report (if applicable)
- Two letters of reference (Academic and/or professional)
- A personal statement of your interest in sustainable development and suitability for this programme
- One (1) passport-sized photograph

For more information or to apply, please visit jeffreysachs.center/graduate-study or email jsc_admissions@sunway.edu.my
The Master in Public Policy at the Jeffrey Cheah Institute on Southeast Asia prepares students to develop practical solutions to real-world policy problems in the region through a multi-disciplinary focus in economics, quantitative analysis and public policy management.

This programme is formulated to equip graduates and mid-career professionals to develop greater technical capability in evidence-based policy analysis and to possess deeper understanding on fundamental concepts and contemporary issues on economic development, social inclusion, political governance and technological trends.

WHERE THIS PROGRAMME COULD TAKE YOU
With the skills accumulated in this programme, graduates will be equipped to address the policy challenges of rapidly-changing socioeconomic dimensions in the region.

The programme’s multidisciplinary emphasis on knowledge, analytic skills and management is highly transferable across sectors, issues and regions. Graduates are able to work throughout the world in key roles in the public, private or non-profit sectors.
ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME

MASTER IN PUBLIC POLICY

Bachelor’s Degree

- A Bachelor’s degree or its equivalent, with a minimum CGPA of 2.75 out of 4.00, or equivalent from a recognized institution of higher education, as accepted by the University’s Senate OR
- A Bachelor’s degree with CGPA below 2.75 out of 4.00 or its equivalent qualifications can be accepted subject to a minimum of 5 years of working experience in relevant field OR
- A holder of a pass degree or equivalent, from a recognized institution of higher education with at least five years’ relevant work experience OR

Other Qualifications

Any other equivalent professional qualification recognised by the Malaysian Government.

ENGLISH LANGUAGE REQUIREMENTS

IELTS

IELTS Band 5.0 or its equivalent

PROGRAMME STRUCTURE

SEMESTER 1
- Microeconomics for Public Policy
- Macroeconomics for Public Policy
- Quantitative Research Methods

SEMESTER 2
- History of Economic Development
- Capstone Research Project 1
- Elective 1

SEMESTER 3
- Capstone Research Project 2
- Elective 2

ELECTIVES
- Financial Market Development
- International Trade, Regionalism and Global Production Value-Chains
- Education Policies and Human Capital Development in Asia
- Politics of Public Policy
- Sustainable Development Policies
- Urbanisation, Transportation and Regional Growth
- Social Entrepreneurship and Inclusive Growth and more

HOW TO APPLY

Please direct enquiries to jci@sunway.edu.my

For more information please visit jci.edu.my/graduate-study

Acceptance into the programme is by application and selection only.
BUSINESS

DR ANDREI KWOK ONN JUI
Senior Lecturer of Management

DR ASHKAN MEMARI
Lecturer in Management

DR CALVIN CHEONG WING HOH
Senior Lecturer of Finance

PROFESSOR CHAIPORN VITHESSONTHI
Professor of Finance

ASSOC. PROF. DR CHENG BOON LIAT
Associate Professor of Marketing

DR DARREN KOAY KIAN YEIK
Lecturer in Marketing

ASSOC. PROF. DR DEREK ONG LAI TECK
Associate Professor of Marketing

DR HASSANUDIN MOHD THAS THAKER
Senior Lecturer of Economic

ASSOC. PROF. DR HOSSEIN NEZAKATI
Associate Professor of Marketing

PROFESSOR HWANG HA JIN
Professor of Business Analytics

DR IZIAN IDRIS
Senior Lecturer in Marketing

DR JASON LEE KIAN TECK
Senior Lecturer in Economic and Finance

ASSOC. PROF. DR KENNETH ANTHONY CAFFERKEY
Associate Professor of Human Resource Management

DR KO YOUNG KYUNG
Senior Research Fellow in Accounting

DR KOON YUI YEE
Senior Lecturer in Management

PROFESSOR MOHAMED ARIFF SYED MOHAMED
Distinguished Professor in Economic and Finance

DR MOHAMAD JASIM UDDIN
Lecturer in Human Resource Management

DR SHEHNAZ TEHSEEN
Senior Lecturer in Management

DR SIVAKUMARI SUPRAMANIAM
Senior Lecturer in Marketing

DR SUN POI HUN
Senior Lecturer in Finance

PROFESSOR SUSELA DEVI
Professor of Accounting

DR TOH SEONG YUEN, RODNEY
Lecturer in Management

PROFESSOR WONG KOI NYEN
Professor of Economics

PROFESSOR YUKA FUJIMOTO
Professor of Management

BIological sciences

PROFESSOR DR ABHI VEERAKUMARASIVAM
Professor
- Cancer genetics & epigenetics
- Birth defects genetics
- Oncolytic viruses
- Ethics & research integrity

DR AYAZ ANWAR
Senior Lecturer
- Nanomedicine
- Medicinal chemistry and drug synthesis for human health

DR BABU RAMANATHAN
Senior Lecturer
- Virology and infectious diseases
- Development of antimicrobial peptides and vaccines

DR CHANDRAJIT LATHI
Associate Professor
- Systems biology of infectious and idiopathic diseases
- Natural therapeutics for tackling multidrug resistance

DR CHEN JIT ERN
Senior Lecturer
- Experimental evolution and genetic engineering of microalgae
- Coral-algal adaptation to heat-stress
- Production and extraction of proteins from microalgae

DR GOPALASAMY REUBEN CLEMENTS
Associate Professor
- Large mammal monitoring
- Biodiversity
- Ecosystem services
- GIS and remote sensing
- Persuasion science
- Protected area establishment and management
- Land use and biodiversity policy improvement
- Wildlife law enforcement

DR JACTTY CHEW
Senior Lecturer
- Superbugs and antibiotic resistance

DR JANE GEE LAI TI
Senior Lecturer
- Development of drug delivery system formulations
- Colloid and surface chemistry
- Antimicrobial nano-coating

PROFESSOR DR JEFF TAN KUAN ONN
Professor
- Cancer biology
- Epithelial (skin) cell biology
- Drug discovery
- Experimental therapeutics
- Gene therapy and oncolytic virus
- Natural product research

DR KAVITA REGINALD
Senior Lecturer
- Molecular allergology
- Immunotherapy and vaccine development
- Genome wide association studies

DR LIM WEI LING
Senior Lecturer
- Early-life stress on neurodevelopment
- Natural product screening on neurodegenerative diseases

DR SHYAMALA RATNAYEKE
Associate Professor
- Ecology and conservation of mammals
- Invasive species biology

DR SUN POI HUN
Senior Lecturer
- Application of algae in neurodegenerative disorders, antimicrobial and cosmeceuticals
- Molecular phylogenetics and genetic diversity of algae and invasive species
- Marine biotechnology

Computing & information systems

DR ANGELA AMPHAWAN
Professor
- Optical Communications
- Wireless Communications
- 5G

TS DR ANGELA LEE SIEW HOONG
Associate Professor
- Machine Learning for Data Science
- Predictive Analytics and Data Modelling
- Education Technology
- Blockchain

DR CH’NG SUE INN
Senior Lecturer
- Computer Vision
- Computing Education

CHARIS KWAN SHWU CHEN
Lecturer
- Sustainability Development for Smart City
- Green Computing
- Mobile Learning

DR CHIA WAI CHONG
Senior Lecturer
- Image Processing
- Embedded Systems
- Wireless Sensor Networks
- Mobile Applications

DR CHIN TECK MIN
Lecturer
- Distributed Overlay Network
**Research Supervisors’ Profile**

**Dr Chua Hui Na**
Associate Professor
- Applied Machine Learning for Data Analytics
- Data Modelling for Data Mining
- Information Privacy and Security from Computing Aspects

**Jaya Krishna**
Teaching Fellow
- Teaching and Learning

**Dr Lau Sian Lun**
Associate Professor
- Ubiquitous Computing
- Sustainable Smart City
- Context-Awareness
- Applied Machine Learning

**Dr Lee Chien Sing**
Professor
- Design Thinking, Computational Thinking
- Information Systems
- Human-Computer Interaction
- Knowledge Management
- Project Management

**Dr Lee Yun Li**
Associate Professor
- Computer Vision and Image Processing
- Augmented Reality
- Interactive Arts/Contents Design
- Machine Learning

**Lim Woon Ning**
Senior Lecturer
- AR and VR
- Haptics and Multimodal Senses
- Image Processing
- Machine Learning
- Mobile Computing

**Lim Mee Hong**
Senior Lecturer
- Trust and Reputation Management
- Applied Artificial Intelligence
- Security
- Cognitive Radio Networks

**Dr Low Yen Ching**
Lecturer
- Statistical Modelling
- Computational Statistics
- Data Science
- Statistics Education

**Dr Matthew Teow**
Senior Lecturer
- Machine Learning
- Signal Processing

**Dr Mohammad Dabbagh**
Senior Lecturer
- Empirical Software Engineering
- Requirements Engineering
- Blockchain
- Big Data Analytics
- IoT

**Dr Mohammad Tahir**
Senior Lecturer
- 5G and Beyond Networks
- Applied Machine Learning for Wireless Communication
- Network and Wireless Security
- Internet of Things
- Blockchain Applications

**Mohana Senthari**
Senior Teaching Fellow
- Electronic Games as Learning Tools
- User Interface Design for Mobile Devices
- Formative Assessment to Improve Learning
- A Comparative Analysis on Credit Card Fraud Techniques using Data Mining
- Questioning Techniques to Engage Students in Classroom Settings

**Dr Mohammed Basheer Jasser**
Lecturer
- Formal Methods
- Model-Checking
- Safety-Critical Systems
- Theorem Proving
- Artificial Intelligence

**Muthukumarana Maruthappa**
Senior Lecturer
- Machine Learning Approaches
- Image Processing
- Mobile Programming
- Emerging Databases

**Dr Richard Wong Teck Ken**
Lecturer
- Smart Transportation System
- Operational Optimisation for Sustainability
- Embedded Systems Application

**Dr Teh Phoey Lee**
Associate Professor
- Text Analysis
- Social Media Analysis
- Social Computing
- Information Acquisition

**Thilageswaran Vijayan**
Teaching Assistant
- Design-Based Research
- Educational Systems, e-Commerce Systems
- Interaction Design, Human-Computer Interaction
- Artificial Intelligence, Ontology

**Vahab Iranmanesh**
Lecturer
- Steganography
- Signature Verification
- Machine Learning
- Cyber Security
- Biometrics

**Yap Kian Meng**
Associate Professor
- Sensory Technology
- Assistive Technology for Blinds and Elderly
- Haptics, Odour, Senses Distributed Applications
- AR and VR Applications
- Human-Machine Collaboration Technology
- Tele-robotics

**Dr Yau Kok Lim**
Professor
- Deep Reinforcement Learning
- Cognitive Radio Networks
- 5G and Beyond 5G Networks
- Intelligent Transportation Systems

**Dr Yeong Lee Seng**
Lecturer
- Embedded System Applications

**Dr Zahanin Yusoff**
Professor
- Computational Linguistics
- Artificial Intelligence - Knowledge Technology (Acquisition and Representation)

**Psychology**

**Dr Alvin Ng Lai Don**
Professional Teaching Fellow
- Mental health literacy
- Mindfulness-based stress reduction/cognitive therapy
- Psychometric development for cross-cultural clinical measures
- Positive psychology
- Behaviour fluency-building

**Chee Kwan Foong**
Lecturer
- Built environment and well-being
- Gerontology - ageing in place, place and well-being, residential care settings
- Mental health issues
- Counselling related issues

**Elaine Yong**
Teaching Fellow
- Family mealtime
- Parenting practices on socioemotional development
- Learning environments and technology

**Dr Elizaveta Berezina**
Senior Lecturer
- Behavioural changing techniques
- Well-being, life satisfaction and social identity
- Social representations of health and illness
- Quality of life and mental health
- Personality and health related behaviour

**Dr Grace Yap Chin Choo**
Lecturer
- Attitudes and motivation toward health management
- Complementary medicine, health and quality of life
- Retirees and social participation
- Prosocial and altruistic behaviours

**Jacqueline Gun Chin Hun**
Senior Teaching Fellow
- Sexual and reproductive health
- Technology and quality of relationships
- Breastfeeding support

**Dr Lee Ai-Suan**
Lecturer
- Language relativity
- Improving body image and healthy behaviour
- Face and body perception
- Cross-cultural perceptual differences

**Psychology**
SUSTAINABILITY SCIENCE & TECHNOLOGY

DR ADARSH KUMAR PANDEY
Assoc. Professor
• Phase Change Materials and Nano-Enhanced Phase Change Materials
• Solar Energy
• Photovoltaic/Thermal (PV/T), Concentrated Photovoltaic/Thermal (CPVT) and Concentrated Photovoltaic (CPV)
• Dye Sensitised Solar Cells
• Energy and Energy analysis

DR ALAN TAN SANG LOON
Senior Research Fellow
• Improvement of and drug-like properties and drug bioavailability through the co-crystallisation approach
• Design and synthesis of metal-organic frameworks
• Computational modelling through quantum-chemical approach
• Quantitative structure-activity relationship study
• Dithiocarbamate chemistry

DR ALLY YEO CHIEN ING
Senior Research Fellow
• Luminescent properties of coinage metal (I) complexes
• Hydrogen interactions in coinage metal (II) thiolates
• Biological properties of coinage metal (II) thiolates

DR ANNIE LEE SEE MUN
Assoc. Professor
• Synthesis and structural studies of metal complexes (organotins, transition metals, main groups) with potential biological properties
• Preparation of material science compounds (metallomesogens) and characterisation
• Analytical chemistry

DR ARIFUTZZAMAN RAHAT
Research Fellow
• Synthesis and Characterisation of Emerging (Organic and Inorganic) Nanomaterials and their Hybrid nanocomposites
• Interface Nanomaterials for the Energy Harvesting and Energy storage applications
• Nanofluids with various Nanomaterials/Hybrid Nanomaterials and their Application in Heat Transfer
• Emerging Nanomaterials/Magnetic Nanomaterials for Bio Applications
• Energy Efficiency Analysis

PROFESSOR EDWARD R.T. TIEKINK
Distinguished Professor and Head
• Intermolecular interactions
• Molecular crystallography
• Crystal engineering
• Metal-based drugs
• Bioorganic chemistry

PROFESSOR MOHAMMAD KHALID
Head
• Nanofluids/Nanolubricants and Nanoadditives
• Graphene and 2D Materials Synthesis and Application
• Bio and Nano composites
• Thermo-electrics and Energy Harvesting
• Carbon capture, storage and utilisation technologies

DR MOHD AZLAN KASSIM
Research Fellow
• Carbon dioxide capture and utilisation
• COSMO-RS modelling
• Liquid thermophysical characterisation

DR MOHD ISHTIAQ BIN ANASIR
Research Fellow
• Novel peptides and natural compounds as antivirals
• Mechanism of viral inhibition by antivirals
• Development of inactivated vaccines by irradiation technology
• Rational design of structure-based antivirals and vaccines
• Development of therapeutic human monoclonal antibodies

DR NORAINI ABD AZIZ
Research Fellow
• Liquid thermophysical characterisation
• COSMO-RS modelling
• Carbon dioxide capture and utilisation

DR MOHD AZLAN KASSIM
Research Fellow
• Carbon dioxide capture and utilisation
• COSMO-RS modelling
• Liquid thermophysical characterisation

DR PRIYANKA JAGADISH
Research Fellow
• Oncolytic viruses and miRNA for therapy of viral infections
• Development of monoclonal antibodies
• Insights into evolution of viral RNA genomes
• Development of monoclonal antibodies for therapy of viral infections
• Oncolytic viruses and miRNA for therapy of cancers

DR PRATHA CAI RAO
Research Fellow
• Design and synthesis of metal-organic frameworks
• Separation and Purification Processes
• Optimisation and Design of Experiment (DOE)

DR GINA MUNDAY
Senior Research Fellow
• Radiofrequency ablation
• Antiviral and vaccine development
• Imaging of hydrogels

DR GERALD CHONG WAI HONG
Research Fellow
• Nuclear magnetic resonance
• Radiofrequency ablation
• Antiviral and vaccine development
• Imaging of hydrogels

DR HONG CHONG JING JIN
Research Fellow
• Radiofrequency ablation
• Antiviral and vaccine development
• Imaging of hydrogels

DR PRATHA CAI RAO
Research Fellow
• Antiviral and vaccine development
• Imaging of hydrogels

RESEARCH SUPERVISORS’ PROFILE

Distinguished Professor and Head
• Renewable energy
• Nanofluids
• Energy efficiency
• Heat transfer
• Energy policy

DR SEYED DAVOUD JAYAZERI
Senior Research Fellow
• Cancer T-cell therapy
• Drug delivery
• Infectious diseases
• Tumour immunology
• Vaccine development

DR SYAM G KRISHNAN
Research Fellow
• Energy Storage
• Perovsk Carbon
• Ternary Carbon Cobaltites
• Chalcogenides

DR TAN YEE SENG
Senior Research Fellow
• Crystal transformation
• Postsynthetic modification for PCP/MOFs
• Flexible porous coordination polymer (PCP)/metal-organic frameworks (MOFs)
• Crystal engineering

MATHEMATICAL SCIENCES

DR GAN CHEW PENG
Lecturer
• Credit risk modelling
• Data science and analytics
• Multivariate analysis

DR HO CHEE KIT
Professor & Dean - School of Mathematical Sciences
• Combinatorics
• Graph theory

DR JAN TEH KUIM LII
Head, Department of Actuarial Science and Risk
• Longevity studies
• Medical statistics

DR JOSHUA TAN JUAT HUAN
Senior Lecturer
• Linear and multilinear algebra

DR KHOO WOOI CHEN
Senior Lecturer
• Statistical modelling and inference
• Time series modelling
• Data analytics

DR LAI KEE HUONG
Lecturer
• Neural networks
• Evolutionary computation

DR LEE MOH SIAN
Lecturer and Head - Centre for Actuarial and Analytics Research
• Numerical optimisation
• Computational mathematics
• Big data analytics

DR LEOW SOO KAR
Associate Professor
• Operations research
• Mathematical programming
• Evolutionary computation

DR PIRIYA SOMASUNDRAM
Lecturer
• Mathematics education
• Technology in mathematics education
• Early mathematics

DR SIM KAI AN
Lecturer
• Graph theory
• Combinatorics

DR TEO KOK LAY
Professor and Associate Dean (Research & International) - School of Mathematical Sciences
• Optimal control computation with applications
• Numerical optimisation with applications

DR YEONG WAI CHUNG
Associate Professor
• Statistical quality control

ARTS

DR ADRIAN LEE YUEN BENG
Senior Lecturer
• Cinema studies
• Media studies
• Cultural studies
• Gender and queer studies
• Broadcast production
• Creative cities and industries

DR ANDREW BRIAN FILMER
Senior Lecturer
• Viola repertoire and technique, particularly the use of non-conventional string tunings
• The editorial process for music editions

DR ASMAA JUSOH [Advisor]
Lecturer
• Applications of outcome-based education
• Building Information Modelling (BIM) systems
• Space tourism

DR AUGUSTINE WONG CHUNG HOWE [Advisor]
Assoc. Dean
• Design education
• Design entrepreneurship
• Multimedia art

DR CATHERINE LEE CHENG EAN
Senior Lecturer
• Employee communication
• Mobile technologies
• Public relations
• Social media
• Technology-enhanced learning

DR CHEONG HUEY TYNG
Professor and Associate Dean (Research & International) - School of Mathematical Sciences
• Radio and audio media studies
• Political and environmental communication
• Popular culture, society and media
• Comparative media systems

DR DUSAN PETKOVIC
Senior Lecturer
• Production Cultures, technology in creative industries and workflow
• Craft identity in film industries
• Independent film production in global south

DR GAN CHEW PENG
Lecturer
• Credit risk modelling
• Data science and analytics
• Multivariate analysis

DR HO CHEE KIT
Professor & Dean - School of Mathematical Sciences
• Combinatorics
• Graph theory

DR JOSHUA TAN JUAT HUAN
Senior Lecturer
• Linear and multilinear algebra

DR KHOO WOOI CHEN
Senior Lecturer
• Statistical modelling and inference
• Time series modelling
• Data analytics

DR LAI KEE HUONG
Lecturer
• Neural networks
• Evolutionary computation

DR LEE MOH SIAN
Lecturer and Head - Centre for Actuarial and Analytics Research
• Numerical optimisation
• Computational mathematics
• Big data analytics

DR LEOW SOO KAR
Associate Professor
• Operations research
• Mathematical programming
• Evolutionary computation

DR PIRIYA SOMASUNDRAM
Lecturer
• Mathematics education
• Technology in mathematics education
• Early mathematics

DR SIM KAI AN
Lecturer
• Graph theory
• Combinatorics

DR TEO KOK LAY
Professor and Associate Dean (Research & International) - School of Mathematical Sciences
• Optimal control computation with applications
• Numerical optimisation with applications

DR YEONG WAI CHUNG
Associate Professor
• Statistical quality control

ARTS

DR ADRIAN LEE YUEN BENG
Senior Lecturer
• Cinema studies
• Media studies
• Cultural studies
• Gender and queer studies
• Broadcast production
• Creative cities and industries

DR ANDREW BRIAN FILMER
Senior Lecturer
• Viola repertoire and technique, particularly the use of non-conventional string tunings
• The editorial process for music editions

DR ASMAA JUSOH [Advisor]
Lecturer
• Applications of outcome-based education
• Building Information Modelling (BIM) systems
• Space tourism

DR AUGUSTINE WONG CHUNG HOWE [Advisor]
Assoc. Dean
• Design education
• Design entrepreneurship
• Multimedia art

DR CATHERINE LEE CHENG EAN
Senior Lecturer
• Employee communication
• Mobile technologies
• Public relations
• Social media
• Technology-enhanced learning

DR CHEONG HUEY TYNG
Professor and Associate Dean (Research & International) - School of Mathematical Sciences
• Radio and audio media studies
• Political and environmental communication
• Popular culture, society and media
• Comparative media systems

DR DUSAN PETKOVIC
Senior Lecturer
• Production Cultures, technology in creative industries and workflow
• Craft identity in film industries
• Independent film production in global south
Fiona Wong E Chiong [Advisor]
Lecturer
- Analytical studies on motif and pattern designs of local cultural arts and crafts
- Art and design of various Southeast Asian and Asian cultures, arts and heritage
- Graphic design, illustration, typography, visual identity design
- Sculpture, functional art, conceptual art, installation art
- Sustainability of local tangible/intangible cultural arts heritage (with a strong focus on Wayang Kulit Kelantan, Baba Nyonya culture, Sarawakian Dayak culture, Malayan Chinese shophouse façade designs, Kuching built heritage, etc.)

Professor George John Hess Jr
- Music technology pedagogy
- Music composition and arrangement
- Music production
- Music performance
- Distance learning

Gnana Selvan [Advisor]
Teaching Fellow
- Music business
- Contemporary pop music

Dr Goi Yi Sheng
Senior Lecturer
- Consumer behaviour in creative industries
- Product design and branding strategies
- Sustainable design

Professor Harold Thwaites
Head of CRIDM (Research Centre)
- Digital heritage
- Cinematic and intermedia arts
- Digital humanities
- Audience / user media impact
- Virtual and augmented reality

Helen Guek Yee Mei [Advisor]
Teaching Fellow
- Arts and identities
- Painting and drawing
- Mixed media and installation
- Visual and digital art D

Dr Human Esmaeili
Senior Research Fellow
- 3D visualisation (modelling, sculpting, photogrammetry, animation, lighting, rendering, etc.)
- Architectural visualisation, green architecture and sustainable development design
- Creative industries, industrial design, prototyping
- Virtual reality, augmented reality, mixed reality (design and development)

Intan Abida Abu Bakar [Advisor]
Senior Teaching Fellow
- Advertising
- Visual communication
- Social sciences
- Packaging design

Ivan Yeong Ming-Hun [Advisor]
Lecturer
- Psychology and emotional impact in the field of art and design

Kelvin Wong Kee Wai [Advisor]
Lecturer
- Dramatic and post-dramatic theatre
- Directing styles and approaches
- Theatre devising and devising dramaturgy
- Contemporary audience development

Dr Kenneth Alan Feinstein
Head of the Dept of Art, Design and Media
- Media theory
- Philosophy of photography
- Media ethics
- Interactive media
- Game design
- Game theory
- Experimental film
- Digital humanities

Leow Puay Tin [Advisor]
Assoc. Professor
- Contemporary performance and theatre-making
- Creation of texts for performance from devising, curation and research

LYON LAXMAN [Advisor]
Senior Teaching Fellow
- Stereovision
- Video production
- Audio production

Maslisa Zainuddin [Advisor]
Lecturer
- Sustainable design – refashioning, upcycling, repurposing
- Surface and pattern design
- Graphic design and typography
- Sculpture and functional art
- Branding and identity design

Professor Matthew Sansom
Assoc. Dean
- Philosophy and aesthetics of creative process
- Contemporary / popular and electronic music
- Acoustic ecology
- Improvisation
- Sound art

Dr Mayo Santarella
Assoc. Professor and Head of the Dept of Film and Performing Arts
- The cultural politics of the Malaysian media and performing arts
- Popular music
- MOHD Azmyl Md Yusof [Advisor]
Senior Lecturer
- Sculpture and functional art
- Graphic design and typography
- Surface and pattern design
- Sustainable design – refashioning, upcycling, repurposing
- Architectural visualisation, green architecture and sustainable development design
- 3D visualisation (modelling, sculpting, photogrammetry, animation, lighting, rendering, etc.)
- Architectural visualisation, green architecture and sustainable development design
- Creative industries, industrial design, prototyping
- Virtual reality, augmented reality, mixed reality (design and development)

Dr Padma Pillai
Senior Lecturer
- Human communication
- Social media
- Instructional communication
- Integrated marketing communication
- Communication

Dr Pauline Leong Pooi Yin
Assoc. Professor
- Freedom of speech and expression
- New media
- Political communication
- Law and ethics in communication

Dr Perline Siek Hew Ling
Lecturer
- Cultural design
- Design education

Dr Travis Liew Yek Ming [Advisor]
Teaching Fellow
- Visual art
- Tertiary art education
- Figurative painters

Professor Sabine Chaouche
Assoc. Dean [Research]
- Gender studies
- Genesis and philosophy of performance
- History of the theatre industry and stardom
- Material culture and consumer culture
- Playwriting and performance practices

Dr Wencen Foong Hock Kuen [Advisor]
Teaching Fellow
- Feng Shui in corporate identity design
- Malaysian culture in design context

Dr WOODY LIEW VUN HUANG [Advisor]
Lecturer
- Communication
- Advertising
- Films

NOR Hazlin Nor Salam [Advisor]
Lecturer
- Film directing in fiction, non-fiction and experimental films
- Film as a cathartic form of artistic expressions
- Gender and racial equality thematic expressions in narratives
- Themes in the portrayal of female characters and protagonists in Malaysian films

Professor SABINE CHAOUCHE
Assoc. Dean [Research]
- Gender studies
- Genesis and philosophy of performance
- History of the theatre industry and stardom
- Material culture and consumer culture
- Playwriting and performance practices

Wencen Foong Hock Kuen [Advisor]
Teaching Fellow
- Feng Shui in corporate identity design
- Malaysian culture in design context

Woodie Liow Vun Huang [Advisor]
Lecturer
- Communication
- Advertising
- Films
HOSPITALITY

DR ALEXANDER TRUPP
Assoc. Professor
• Tourism for development; sustainable tourism
• Hospitality and tourism microbusinesses
• Tourism, hospitality and gender
• Mobilities and the intersections of tourism and migration
• Qualitative methods

DR CHARUWAN PHONGPANICHANAN
Lecturer
• Human resource management and development
• Organisational development
• Talent management / career and succession planning
• Manpower planning / business process re-engineering

DR DAISY GAYATHRI KANAGASAPAPATHY
Senior Lecturer
• Heritage tourism
• Sustainable behaviours
• Destination marketing and branding
• Virtual events
• Technologies in the hospitality industry

DR DANIEL CHONG KA LEONG
Assoc. Professor
• Sustainable food service management
• Hospitality operational management
• Consumer and organisational behaviour
• Services branding and management
• Heritage and conservation

DR KAMELIA CHAICHI
Lecturer
• Human resource management and issues, and leadership in hospitality
• Hospitality branding
• Hospitality marketing
• Tourism / hospitality and technology
• Quantitative method, mixed methods

DR MAGGIE LEONG MEI KEI
Lecturer
• Hospitality marketing
• Hospitality branding
• Consumer behaviour
• Green marketing

PROFESSOR MARCUS LEE STEPHENSON
Professor of Tourism and Hospitality Management and Dean
• Tourism and citizenship: rights and responsibilities
• Islamic hospitality and tourism
• Tourism and hospitality development in small states; Gulf Cooperation Council states; islands in the South Pacific and Caribbean
• Tourism, race and ethnicity
• Cultural and heritage tourism - initiatives, developments and representations

DR PHILIP WONG PONG WENG
Senior Lecturer
• Destination marketing
• Destination branding
• Destination competitiveness
• Hospitality marketing

MS RITA LO
Senior Teaching Fellow
• Hospitality revenue management
• Hospitality operation and management technology
• Hospitality sustainable planning and management

DR TAN AI LING
Senior Lecturer
• Service quality and recovery
• Food choice behaviour
• Quality Management
• Food sustainability
• Food supply chain management

DR TEH PEK YEN
Senior Lecturer
• Sustainable tourism
• Tourist’s behaviour and motivations
• Heritage and conservation
• Muslim travelling behaviour
• Film-induced tourism

MS VIJAYA MALAR ARUMUGAM
Senior Teaching Fellow
• Human resource management
• Leadership
• Hospitality servicescape
• Branding

HEALTHCARE & MEDICAL SCIENCES

PROFESSOR DR ABHI VEERAKUMARASIVAM
Dean
• Cancer genetics and epigenetics
• Birth defects genetics
• Oncolytic viruses
• Ethics and research integrity

PROFESSOR DR CHIA YOOK CHIN
Assoc. Dean
• Noncommunicable Diseases (Cardiovascular diseases, diabetes mellitus, hypertension, cholesterol disorders)
• Primary Care Geriatrics/in Older Adults
• Primary Care Gastroenterology

DR CHOOK JACK BEE
Senior Lecturer
• Epidemiology of Viruses
• Molecular Virology
• Hepatitis B Virus and Liver Diseases

DR HWANG JUNG SHAN
Assoc. Professor
• Autoimmune Diseases
• Innate Immune Response
• Pore-forming Toxins

DR 001 PEI BOON
Principle Teaching Fellow
• Active ageing and well-being
• Cyberbullying: Online Behaviour and Prevention Programmes
• Counsellor Education
• Counselling Psychology
• Internationalisation of higher education institution

PROFESSOR DR PEH SUAT CHENG
Medical Doctor
• Ageing
• Cancer
• Histology
• Pathology
• Virology

DR RONALD TEOW SIN YEANG
Senior Lecturer
• Cancer Biology
• Cancer Therapeutics
• Cancer Viruses
BURSARY & SCHOLARSHIPS

POSTGRADUATE PROGRAMMES BY TAUGHT

Eligibility Criteria for Sunway University Graduate Merit Scholarship
a) Validity period of the Bachelor degree academic result to apply for Graduate Merit Scholarship is 2 years AND with a CGPA of 3.50.
b) Value of the scholarship is 50% off the total tuition fee of the applied Taught Masters programme.
c) Application is applicable to ALL Bachelor degree graduates within Sunway Education Group as well as other higher education institutions.
d) Applicants are only entitled to ONE scholarship offered by Sunway University at any one time, whichever amount is higher. It is not to be combined with any other scholarship or bursary.
e) Applicants are required to submit their application to Student Life by submitting the following documents:
   • Academic qualifications/results (certificates and complete transcripts of Bachelor degree).
   • A copy of national identity card (Malaysian students) or passport (all pages for International students).

Eligibility Criteria for Alumni Bursary
a) NO validity period of Bachelor degree academic results to apply for Alumni Bursary.
b) Value of the Alumni Bursary is 30% off the total tuition fee of the applied Taught Masters programme.
c) Application is ONLY applicable to Sunway College and Sunway University Bachelor degree graduates.
d) Applicants are only entitled to ONE bursary offered by Sunway University at any one time, whichever amount is higher. It is not to be combined with any other scholarship or bursary.
e) Applicants are required to submit their application to Student Life by submitting the following documents:
   • Academic qualifications/results (certificates and complete transcripts of Bachelor degree).
   • A copy of national identity card (Malaysian students) or passport (all pages for International students).

RESEARCH SUPERVISORS’ PROFILE

JEFFREY SACHS CENTRE: SUSTAINABLE DEVELOPMENT MANAGEMENT

PROFESSOR AGAMUTU PARIATAMBY
• Sustainable waste management

DR CHEN JIT ERN
• Biodiversity
• Earth’s climate system

DR CHONG KOK BOON
• Condensed matter physics
• Nuclear energy research

CLARISSA LEE AI LING
• Innovation studies
• History of science, technology and innovation
• Healthy ageing and speculative design
• Science and technology for sustainable development

FUN WOH PENG
• Green transportation
• Low-carbon power generation
• Carbon footprint reduction

DR GOPALASAMY REUBEN CLEMENTS
• Sustainable forestry

JAMES CHIN
• Federal-state relations
• Minority rights
• Electoral systems
• Good governance

KOH HOCK LYE
• Applied mathematical modelling and artificial intelligence to enhance food security
• Sustainable lake management
• Clean water and sanitation
• Tsunami-resistant communities
• Climate adaptation strategies

PROFESSOR LEONG CHOON HENG
• Community participation for sustainable development
• Sustainable transportation
• Sustainable education delivery systems

PROFESSOR SHANDRE MUGAN THANGAVELU
• Macroeconomic policies for sustainability in ASEAN countries
• Human capital development and welfare
• Technology transfer and adoption
• Foreign direct investment
• Government infrastructure investment
• Endogenous growth

PROFESSOR WONG CHIN HUAT
• Electoral systems
• Party systems
• Parliamentary democracy
• Federalism
• Identity politics

PROFESSOR WOO WING THYE
• Economics in transition (China, Malaysia and Indonesia)
• Economic growth and sustainable development
• Exchange rate economics
• Regional economic disparity
• Middle-income trap

PROFESSOR YEAH KIM LENG
• Development economics
• Sustainable tax systems and structures
• Monetary economics
• Capital markets
• Industry studies

JEFFREY CHEAH INSTITUTE ON SOUTHEAST ASIA: PUBLIC POLICY

PROFESSOR AGAMUTU PARIATAMBY
• Sustainable waste management

DR CHEN JIT ERN
• Biodiversity
• Earth’s climate system

DR CHONG KOK BOON
• Condensed matter physics
• Nuclear energy research

CLARISSA LEE AI LING
• Innovation studies
• History of science, technology and innovation
• Healthy ageing and speculative design
• Science and technology for sustainable development

FUN WOH PENG
• Green transportation
• Low-carbon power generation
• Carbon footprint reduction

DR GOPALASAMY REUBEN CLEMENTS
• Sustainable forestry

JAMES CHIN
• Federal-state relations
• Minority rights
• Electoral systems
• Good governance

KOH HOCK LYE
• Applied mathematical modelling and artificial intelligence to enhance food security
• Sustainable lake management
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Eligibility Criteria

Bursary or Scholarship are open to all full time postgraduate students enrolled for programmes by research. Eligibility criteria are given in Table 1 (Fee Waiver). Additionally, applicants must meet all necessary entry requirements for their chosen programme of study and be in receipt of an unconditional offer from the University.

Awards made to students under this scheme shall take effect from the 1st day of enrolment and shall, subject to satisfactory performance and successful progression, last for the normal duration of the programme. The University reserves the right to withdraw the award at any time should the student’s behaviour or performance be unsatisfactory, or the student withdraws or is withdrawn from the programme of study.

Applicants holding a conditional offer from the University may apply for a fee waiver: any offer of a fee waiver will be conditional upon the applicant fulfilling any and all conditions for enrolment on the programme.

ELIGIBILITY CRITERIA FOR FEE WAIVERS

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<tr>
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<th>BURSARY*</th>
<th>NON-SUNWAY GRADUATES*</th>
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<tr>
<td><strong>CRITERIA: SUNWAY GRADUATES</strong></td>
<td><strong>CRITERIA: CGPA ≥ 3.5 OR CAVG ≥ 70% OR DISTINCTION (OR EQUIVALENT)</strong></td>
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<td>Programme</td>
<td>Mode of Study</td>
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<tr>
<td>Masters by Research</td>
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<td>30% tuition fee waiver</td>
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<td>Full-Time</td>
<td>50% tuition fee waiver</td>
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</tbody>
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* Bursary is only offered to Sunway graduate from Sunway Education Group higher education institutions.
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