POSTGRADUATE PROGRAMME
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 post-graduate 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 post-graduate 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 2½ % 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.

Peter
Professor Peter Heard
(Provost)
The MBA dual award programme is tailored for aspiring managers who have the ambition of becoming strategic leaders within an increasingly complex organisational and business environment. If you decide to join this premier MBA programme, you will be acquiring not only a thorough knowledge of the latest management theories and tools, but will also be working on yourself – honing and building a set of skills you can use wherever you may find yourself. You will explore the leader within, emerging as a change agent within both the business world and beyond. This premier global recognition programme is offered in collaboration with Lancaster University Management School. Lancaster is ranked in the top 1% of universities globally and has been delivering MBA programmes for many years. The Lancaster MBA programmes are triple accredited and globally recognised. Indeed, the Lancaster MBA is amongst an exclusive group of UK based MBAs to remain in the Financial Times for over a decade.
Students need to complete level one modules before proceeding to level two. There are no other prerequisites, therefore delivering a high degree of flexibility.
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 best-suited 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/seminars and even publications.

The University has a dedicated team of academicians 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 work place, 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.

**APPLICATION PROCEDURE**
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

*Postgraduate Programme Director, Siti Rohaidah Shamsudin (sitirohaidahs@sunway.edu.my)
PhD Programme Leader, Professor Chaiporn Vithessonthi (chaipornv@sunway.edu.my)

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

**AREAS OF RESEARCH**
The faculty 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:
- 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

**MODULES**
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 pursuant through several oral examinations, namely Defense Proposal, Work Completion Seminar and Viva Vece. 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.

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

**INTAKES**
- JANUARY
- MARCH
- JUNE
- AUGUST

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.

**CAREER PROSPECTS**
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.

**POSTGRADUATE PROGRAMME**
- Duration & Intakes
- Career Prospects
- Entry Requirements
- Modules
- Areas of Research
- Application Procedure
Communications and Media are an ever growing and changing part of the world we live in. 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.

Today, these messages are formulated around narratives. In all forms of media, we see the shaping of messages through the narratives of branding. We will investigate these concepts of media through this framework of narratives. We will look at how contemporary media has developed narratives as an organising principle and what that means for society.

In this programme, you will learn how messages are formed and how they affect our society and culture. You will be able to analyse how various media determine and define how messages are transmitted. You will understand how new technologies effect the messaging we receive. 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.
Candidates are requested to send the completed application with the following supporting documents to info@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

All relevant files in the submission package are to be put in a standard USB flash drive, containing only the submission documents. Please send the completed application form together with all the required supporting documents (as PDF files).

APPLICATION PROCEDURES

Candidates are requested to send the completed application with the following supporting documents to info@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

All relevant files in the submission package are to be put in a standard USB flash drive, containing only the submission documents. Please send the completed application form together with all the required supporting documents (as PDF files).

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.
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.
The MSc in Life Sciences consists of one taught module and one thesis. Students will be required to complete a course in Research Methodology, before they proceed to writing the thesis. By undergoing this module, candidates will develop the necessary skills and knowledge to conduct research successfully towards the Master’s degree.

**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.

**Areas of Research**

Areas of research include:

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

**Entry Requirements**

**Postgraduate Programme**

<table>
<thead>
<tr>
<th>Modules</th>
<th>MSC in Life Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor’s Degree</td>
<td>A Bachelor’s Degree with Honours in Biological Sciences with minimum CGPA of 2.75 or equivalent</td>
</tr>
<tr>
<td>Other Qualifications</td>
<td>Any other qualifications will be considered on a case-to-case basis</td>
</tr>
</tbody>
</table>

**English Language Requirements**

- IELTS: 6.0
- TOEFL: 600
- PTE Academic: 50 overall (minimum 46 in each skill)

**Career Prospects**

- Biochemist
- Pharmacologist
- Immunologist
- Physiologist
- Academia/Science Educator
- Microbiologist
- Healthcare Manager
- Research Scientist
- Laboratory Manager
- Product Specialist
- Sales Manager
- Quality Control Specialist

**Validation**

Lancaster University

**Durations**

- Full Time: 2 years
- Part Time: 3 years

**Intakes**

MARCH
AUGUST

**Postgraduate Programme**

- MSc in Life Sciences
  - Duration & Intakes
  - Career Prospects
  - Entry Requirements
  - Modules
  - Areas of Research
APPLICATION PROCEDURE

FOR INTERNATIONAL/MALAYSIAN STUDENTS

a) The following documents must be completed and signed if necessary:
   i) Five (5) 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
   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 (shyamalar@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
5 Jalan Universiti, Bandar Sunway
47500 Subang Jaya, Selangor
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 scientific communication.

A key feature of this course is that it is a novel independent research project in the Sunway University’s state-of-the-art Biological Sciences research laboratories, supervised by a leading academic in a research area of biological sciences.

Working with your supervisors, you will be exposed to the many aspects of research activities including critical analysis of literature, identifying an area of contribution, gathering information and 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 the area of research.

Accredited by Malaysia Qualifications Agency.
**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)

**AREAS OF RESEARCH**

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

**CAREER PROSPECTS**

- Academia/Science Educator
- Postdoctoral/Research Scientist
- R&D (Senior Researcher)
- Scientific/Medical Writer
- Senior Laboratory Manager
- Scientific Policy (Government Institutions)
- Quality Control/Health and Safety Agencies

**DURATION**

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

**INTAKES**

- MARCH
- AUGUST

**ENTRY REQUIREMENTS**

- **PhD in Biology POSTgraduate Programme**
- **English Language Requirements**
- **Modules**
- **Areas of Research**

**MODULES**

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

**THE MODULES**

Candidates are required to take three modules namely (i) Research Design, Analysis and Communications, (ii) Research Ethics and Biological Safety, and (iii) Directed Readings and Academic Presentations to enhance their knowledge 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.
A fundamental part of the PhD application 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

In addition, the following are required:

- Two 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.
- A recent copy of your Curriculum Vitae (CV)
- A personal statement, postgraduate application form and scholarship application form if applicable.
- Passport (all pages including blank pages - for International students)/Identity Card (for Malaysian students)
- Academic qualifications/results (certificates and complete transcripts) (Degree/Masters Degree/Others that are certified)
- International applicants must provide official 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.
- English language qualification (IELTS/TOEFL/MUET/Others) if applicable
- Any other supporting documents that are specified on the application form.

**SELECTION PROCESS**

**APPLICATION REVIEW**

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

**OFFER OF A PLACE**

We aim to 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.
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.
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
Students 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, candidates will be expected to formulate and submit a proposal for research in an area of their interest or specialisation.

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.

The programme gives you the opportunity to pursue research in an aspect of information systems that particular interests you and perhaps, your organisation. IT professionals, who can manage information resources, understand the technologies and systems that are crucial to ensuring the success today’s modern enterprises.

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 also helps you develop skills in communicating your research work.

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.
The MSc in Information Systems (by Research) 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.

**Entry Requirements**

**Postgraduate Programme**

- Bachelor’s Degree
- Other Qualifications

**MSC in Information Systems**

- A Bachelor’s Degree in Computing with minimum CGPA of 3.00 or equivalent
- 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)

**Career Prospects**

- Business Analyst
- Chief Information Officer
- Computer Science Researcher
- Database Engineer
- Data Scientist
- IT Auditor
- IT Consultant
- IT Project Director
- IT System Analyst
- Software Engineer

**Validation**

Lancaster University
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 activity including critical analysis of literature, identifying areas of contribution, compiling information and 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 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 home grown PhD programme with growing numbers of PhD graduates.
**ENTRY REQUIREMENTS**

**POSTGRADUATE PROGRAMME**

- **Doctor of Philosophy (Computing)**
  - Master’s Degree
    - 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.
  - Other Qualifications
    - 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)

**MODULES**

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

**THE MODULES**

Candidates are required to take three modules namely Research Methodology, Directed Readings and Research Proposal to enhance their knowledge 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.

For more information, please refer to university.sunway.edu.my/tech/comp-phd
(MSC IN COMPUTER SCIENCE/MSC IN INFORMATION SYSTEMS/PHD IN COMPUTING):

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

APPLICATION PROCEDURE

(PhD in Computing (By Research))

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, referees may email a scan of the letter directly to the MSc/PhD Programme Chair.

Applicants will be required to submit the following documents:

i) Postgraduate Application Form*
ii) Research Statement
   The statement should briefly describe the research question that the applicant has discussed with his/her future MSc/PhD supervisor.
iii) Curriculum Vitae (CV)
iv) Scholarship Application Form (if any)
vi) English Language qualification (IELTS/TOEFL/MUET/Others) - for International students
vii) Academic qualifications/results (certificates and complete transcripts)
     (Degree/Master's Degree/Others)
viii) Five (5) passport-sized photographs

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

Documents will be processed once the application is complete.

Areas of Research

Application Procedure
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 design 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
The Psychology Department has three research groups: Well-being & Community Psychology, Organisational & Work Psychology, and Cognitive & Experimental Psychology. This broad range of expertise means we can help you study the following areas:

- Work, organisations and business psychology
- Leadership, teams and group dynamics
- Health, developmental and educational psychology
- Cognition, experimental and neuropsychology
- Cross-cultural and social psychology, individual differences, personality, intelligence and psychological testing
- Mindfulness, well-being and positive psychology

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

**Core Modules**

- Intermediate Research Methods
- Intermediate Statistics

**Areas of Research**

- Research Consultant
- Researcher
- Analyst
- Lecturer
- Project Manager
- Operations Director
- Senior Manager
- Technical Author

**ENTRY REQUIREMENTS**

**POSTGRADUATE PROGRAMME**

- Bachelor’s Degree
- Other Qualifications

**MSC IN PSYCHOLOGY**

- A Bachelor’s degree in Psychology 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: 6.0
- TOEFL: 550 (paper-based), 200 (computer-based) or 75 (Internet-based)
- PTE Academic: Band 6
- Cambridge English: First/CEFR: 170 (Grade B2)
- Cambridge English: Advanced/CEFR: 170 (Grade B2)
- SPM English: 1119 5C

**DURATION**

- FULL TIME: 2 YEARS
- PART TIME: 3 YEARS

**MSc in Psychology **

- Duration & Intakes
- Career Prospects
- Entry Requirements
- Modules
- Areas of Research

**CAREER PROSPECTS**

- Research Consultant
- Researcher
- Analyst
- Lecturer
- Project Manager
- Operations Director
- Senior Manager
- Technical Author

**MODULES**

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

**CORE MODULES**

- Intermediate Research Methods
- Intermediate Statistics

**RESEARCH THESIS**

- Master’s thesis
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) Five (5) passport-sized photographs 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

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

Postgraduate Administrator  
School of Science and Technology  
SUNWAY UNIVERSITY  
5 Jalan Universiti, Bandar Sunway  
47500 Subang Jaya, Selangor  
Malaysia

**SELECTION**

**APPLICATION REVIEW**

Once we have received your application and evaluated all essential supporting documents and test scores, a decision will be made regarding whether to shortlist you for interview. Incomplete applications will not be evaluated. Unsuccessful applicants will be notified by email.

**INTERVIEW**

We interview all suitable applicants, either face-to-face or by telephone/Skype. The applicant will be interviewed by the Programme Chair and at least one supervisor.
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
Prior to starting their thesis, students complete two taught modules: Advanced Research and Design 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.

**APPLICATION PROCEDURES**

Initial enquiries should be made to the Programme Coordinator (email: michelle.tan@sunway.edu.my). If the potential student is eligible for the PhD, they will meet with the Programme Leader to discuss their area of research interest and potential research supervisors.

Details on the specific documents required to complete the application will be provided once the student has been assigned a research supervisor and an agreement has been reached on the research topic.
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, and pricing of insurance/reinsurance products. You will also be equipped with skill sets to embark on careers in financial management, insurance/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

MSC IN ACTUARIAL SCIENCE (BY RESEARCH)

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

IELTS
6.0

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

PTE Academic
50 overall (minimum 66 in each skill)

Cambridge English: First
75+

Cambridge English: Advanced
Minimum 67

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:

- Financial Modelling
- General Insurance (Property & Casualty)
- Mortality/Morbidity/Longevity of a Population
- Risk Management

APPLICATION PROCEDURE

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 Students

vi) Academic qualifications/results (certificates and complete transcripts) [Degree/Others]

vii) FIVE (5) passport-sized photographs

viii) A copy of national identity card (Malaysians only) or passport (all pages for international students)


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

Postgraduate Administrator
School of Mathematical Sciences
Sunway University
5 Jalan Universiti, Bandar Sunway
47500 Selanger Darul Ehsan
Malaysia
Email: yeannet@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

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

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.

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:

• Financial Modelling
• Applications Of Statistics In Finance And Insurance
• Applied Probability
• Applied Stochastic Processes
• Combinatorics
• Computational Fluid Dynamics
• Evolutionary Computation
• Graph Theory
• High-Performance Computing
• Linear Algebra
• Longevity Studies
• Mathematical Modelling
• Medical Statistics
• Neural Networks
• Numerical Methods
• Rank Preserver
• Simulation
• Statistical Modelling
• Time Series Modelling

APPLICATION PROCEDURE
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 Students vi) Academic qualifications/results (certificates and complete transcripts) [Degree/Master’s Degree/Others] vii) FIVE (5) passport-sized photographs viii) A copy of national identity card (Malaysians only) or passport (all pages for international students)

*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.

Postgraduate Administrator
School of Mathematical Sciences
Sunway University
5 Jalan Universiti, Bandar Sunway
47500 Selangor Darul Ehsan
Malaysia
Email: keehuongl@sunway.edu.my
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’ve 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’re 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

Candidates should have a Bachelor’s degree in a related discipline with a minimum CGPA of 2.5 or equivalent. The programme is designed for people with relevant working experience. Exceptional candidates who do not meet the above requirements and recent graduates will be considered based on their professional and other attainments.

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

APPLICATION PROCEDURE

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.

For more information or to apply, please visit jeffreysachs.center/graduate-study or email jsc_admissions@sunway.edu.my

PROGRAMME STRUCTURE -

Year 1 - 2019

Semester 1: Jan to Apr
- Earth’s Climate System
- Economics of Sustainability Management
- Sustainable Management and Operations

Semester 2: May to June
- Research Methods
- Elective I

Year 2 - 2020

Semester 1: Jan to Apr
- Elective II
- Elective IV

Semester 2: May to June
- Research Project II

Electives

- Global Foundation Course: Introduction to Sustainable Development
- Fundamentals of Urban Sustainability
- Water Resource Management
- Sustainable Agriculture and Food Systems
- Sustainable Engineering and Industrial Ecology
- Energy Systems and Management
- Innovative Sustainable Leadership
- Sustainable Urban Practices
- Sustainable Economic Development
- Climate and Water Resources
- Sustainable Forestry
- Sustainable Transportation
The Master of Human Resource Management (MHRM) programme is designed, in collaboration with the Chartered Institute of Personnel and Development (CIPD), the world’s largest Chartered HR and development body, for aspiring managers and professionals with the ambition to become strategic leaders and human resource managers.

Students will be acquiring not only through knowledge of contemporary human resource management theories, concepts and tools but will also be working in teams throughout the programme and building sets of skills that they can apply in practice. Since today’s organisations operate in a dynamic and complex environment with varying structure and culture, the MHRM programme will equip students with the required skills and leadership to face human resource challenges and meet strategic needs of business.

Upon completion of the programme, graduates are awarded with dual certificates: MHRM certificate from the Sunway University and postgraduate-level Advanced Diploma in Human Resource Management from the CIPD. Graduates also upgrade their status to Associate Membership of CIPD and use the designatory letters ‘Assoc CIPD’ after their name that demonstrates that they have attained a recognised level of professional competence as an HR practitioner.
The Master of Human Resource Management (MHRM) programme’s curriculum is designed to develop competent and intellectually critical human resource management professionals who are internationally recognised. The MHRM programme at Sunway University holds the ‘CIPD Approved’ status. Founded in 1913, the CIPD is a leading professional body for HR and people development, 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 and 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 component HR professionals with critical thinking.

**PROGRAMME STRUCTURE**

- 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
- International HR Management
- Research Project/Consultancy Project

**AREAS OF RESEARCH**

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

**PATHWAY**

- PhD
- Masters of HRM
- Bachelors

**ENTRY REQUIREMENTS**

**POSTGRADUATE PROGRAMME**

**MASTER OF HUMAN RESOURCE MANAGEMENT**

**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.

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 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

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**

600 (paper-based), 250 (computer-based)
RESEARCH SUPERVISORS’ PROFILE

BUSINESS

DR ALIREZA ZAREI
Senior Lecturer in Finance

PROFESSOR CHAIPorn VITHESSONTHI
Professor of Finance

DR CHENG BOON LIAT
Associate Professor of Marketing

DR DEBJANI GHOSH
Lecturer in Management

DR DEk kong LAI TECK
Senior Lecturer in Marketing

DR HASSANUDIN MOHD THAS THAKER
Lecturer in Finance

DR IZIAN IDRIS
Lecturer in Marketing

DR JASON CHEok BOON CHUAN
Senior Lecturer in Management

DR JASON LEE KIAN TEK
Senior Lecturer in Finance

DR JESSICA HO SZE YIN
Senior Lecturer in Marketing

DR Joyce NGA kO kE WEE
Senior Lecturer in Finance

DR KHOR kUAN SIEW
Senior Lecturer in Management

DR KooN YuY kEE
Senior Lecturer in Management

DR MARY PHILOMENA ANTHONY
Lecturer in Management

DR MICHAEL M DENT
Principal Teaching Fellow in Marketing

PROFESSOR MICHAEL PHILIP FURMSTON
Professor of Law

DR MIRZET SEHO
Lecturer in Finance

PROFESSOR MOHamED ARIFF SYED MOhamed
Professor of Finance

DR NUR AIIN SHAHRIER
Senior Lecturer in Finance

PROFESSOR SANJAYA SINGH GAUR
Professor of Marketing

DR SHEHNAZ TEHSEEN
Lecturer in Management

DR SIVAKUMARI SUPRAMANIAM
Senior Lecturer in Marketing

DR STEVE WILLIAms
Professor of Management

DR SUN POI HUN
Senior Lecturer in Finance

PROFESSOR SUSvEla DEVI
Professor of Accounting

PROFESSOR WONG KOI NYEN
Professor of Economics

PROFESSOR YUkA FUJIMOTO
Professor of Management

SCIENCE & TECHNOLOGY: BIOLOGICAL SCIENCES

PROFESSOR ABHI VeERAKUMARASIVAM
Professor
- Cancer Genetics & Epigenetics
- Birth Defects Genetics
- Oncolytic Viruses
- Ethics & Research Integrity

AYAz ANWAR
- Nanomedicine
- Medicinal Chemistry and Drug Synthesis for Human Health

DR BABU RMANATHAN
Lecturer
- Virology and Infectious Diseases
- Development of Antimicrobial Peptides and Vaccines

DR CHANDRAIJT LAHIRI
Senior Lecturer
- Systems Biology of Infectious and Idiopathic Diseases
- Natural Therapeutics for tackling Multidrug Resistance

DR CHEN JIT ERN
Lecturer
- Experimental Evolution and Genetic Engineering of Microalgae
- Coral-algal Adaptation to Heat-Stress
- Production and Extraction of Lipids and Starch from Microalgae

GOPALASAMY REUBEN CLEMENTS
Associate Professor
- Large Mammal Monitoring
- Biofinancing
- Ecosystem Services
- GIS and Remote Sensing
- Persuasion Science
- Protected Area Establishment and Management
- Land Use and Biodiversity Policy Improvement
- Wildlife Law Enforcement

PROFESSOR HASSANUDIN MOHD THAS
Lecturer in Finance

PROFESSOR IZIAN IDRIS
Lecturer in Marketing

PROFESSOR JASON CHEOK BOON CHUAN
Senior Lecturer in Management

PROFESSOR JASON LEE KIAN TEK
Senior Lecturer in Finance

PROFESSOR JESSICA HO SZE YIN
Senior Lecturer in Marketing

PROFESSOR JYOTI SHAH
Senior Lecturer in Management

PROFESSOR KAVIDI KUMAR
Professor
- Superbugs and Antibiotic Resistance

PROFESSOR JAY JI TIAN SENG
Senior Lecturer
- Development of Drug Delivery System Formulations
- Colloid and Surface Chemistry
- Antimicrobial Nanocoating

PROFESSOR JEFF TAN KUAN ONN
Professor and Research Director
- Cancer and Epithelial (Skin) Cell Biology, Drug Discovery and Experimental Therapeutics

DR KAVITA REGINALD
Senior Lecturer
- Allergic Diseases
- Pathogenesis Investigation using Insect Models

DR LIM WEI LING
Lecturer
- Early-life Stress on Neurodevelopment
- Natural Product Screening on Neurodegenerative Diseases

PROFESSOR MARY PHILOMENA ANTHONY
Professor of Finance

PROFESSOR ONG KONG LEE
Senior Lecturer
- Developmental Biology and Genetics
- Development of Antimicrobial Peptides and Vaccines

PROFESSOR PHILIP FURMSTON
Professor of Law
- Ethics & Research Integrity

PROFESSOR RAJENDRA KUMAR
Senior Lecturer in Finance

PROFESSOR RAVI KUMAR
Professor
- Infectious Diseases
- Cellular Differentiation of Protists
- Pathogens Affecting Eye and Brain
- Medicinal Natural Products

PROFESSOR STEVe WILLIAms
Professor of Management

PROFESSOR SUN POI HUN
Senior Lecturer in Finance

PROFESSOR VONG KOI NYEN
Professor of Economics

PROFESSOR YUkA FUJIMOTO
Professor of Management

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Professor of Management

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Professor of Management

PROFESSOR YUKA FUJIMOTO
Professor of Management

PROFESSOR YUKA FUJIMOTO
Professor of Management
RESEARCH SUPERVISORS’ PROFILE

SHYAMALA RATNAYEKE
Associate Professor
• Ecology and Conservation of Mammals
• Invasive Species Biology

DR TOMMY TONG YUH KOON
Senior Lecturer
• HIV-1 Vaccine Development

DR YOW YOON YEN
Senior Lecturer
• Application of Algae in Neurodegenerative Disorders, Antimicrobial and Cosmeceuticals
• Molecular Phylogenetics and Genetic Diversity of Algae and Invasive Species
• Marine Biotechnology

DR ANGELA LEE SIEW HOONG
Senior Lecturer
• Sentiment Analysis and Opinion Mining
• Predictive Analytics
• Technology Adoption
• Organisational Knowledge Management

DR CHIN TECK MIN
Lecturer
• Distributed Overlay Network

DR CHUA HUI NA
Associate Professor
• Applications of Data Analytics
• Sustainable Data/Database Modelling in Supporting Big Data
• Information Privacy Related Research Subjects 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

LEE CHIEN SING
Professor
• Design-Based Research
• Educational Systems, e-Commerce Systems
• Interaction Design, Human-Computer Interaction
• Artificial Intelligence, Ontology

DR LEE YUN LI
Associate Professor
• Computer Vision and Image Processing
• Augmented Reality
• Interactive Arts/Contents Design
• Machine Learning

LIM WOAN NING
Senior Lecturer
• Machine Learning
• Image Processing
• Artificial Intelligence
• Mobile Computing

LING MEE HONG
Senior Lecturer
• Trust and Reputation Management
• Applied Artificial Intelligence
• Security
• Cognitive Radio Networks

DR LOW YEH CHING
Lecturer
• Statistical Modelling
• Distribution Theory
• Probabilistic Models in Text Analysis
• Statistical Learning Methods
• Statistical Education

DR MOHAMMAD DABBAGH
Senior Lecturer
• Empirical Software Engineering
• Requirements Engineering
• Blockchain
• Big Data Analytics
• IoT

DR MOHAMMAD TAHIR
Senior Lecturer
• Internet of Things
• 5G
• Machine Learning for Wireless Communication
• Physical Layer Security
• Blockchain and its Application for Smart City

MOHANA SUNTHARI
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

MUTHUKUMARAN 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 Applications

DR TEH PHOEY LEE
Associate Professor
• Natural Language Processing
• Social Computing
• Acquisition Research

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
• Distributed Haptics
• Network Architectures and Protocols
• High-Speed Computer and Telecommunications Networks
• Data Networking
• Network Modelling and Simulation
• VR & AR
• Multimodal Communications
• Human Computer Interaction
• Embedded Systems
• Tele-robotics

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
• Distributed Haptics
• Network Architectures and Protocols
• High-Speed Computer and Telecommunications Networks
• Data Networking
• Network Modelling and Simulation
• VR & AR
• Multimodal Communications
• Human Computer Interaction
• Embedded Systems
• Tele-robotics
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
Lecturer
- Parenting Issues and Challenges
- Child Socio-Emotional Development
- Early Childhood Educational Programmes and its Effectiveness

Dr Elizaveta Berezina
Senior Lecturer
- Behavioural Changing Techniques
- Well-Being, Life Satisfaction and Social Identity
- Social Representations of Health and Illness
- Quality of Life in Old Age
- Personality and Health Related Behaviour

Dr Grace Yap Chin Choo
Lecturer
- Health Psychology
- Attitudes and Motivation toward Health Management
- Complementary Medicine, Health and Quality of Life
- Retirees and Social Participation
- Prosocial and Altruistic Behaviours

Dr Michelene Lee Chin Chin
Senior Lecturer
- Organisational Contexts and Individual Differences in Affecting Individual Work Outcomes
- Organisational Contexts (i.e. Culture, Climate, Leadership)
- Work Engagement
- Different Types of Job Resources and Job Demands
- Teamwork

Dr Nigel Marsh
Professor
- Assessment of the Psychosocial Consequences of Traumatic Injuries or Chronic Illness, for both the Individual and their Familial Caregivers
- Healthy Ageing, particularly as related to Environmental or Design Factors
- Attitudes to Ageing
- Evaluation of Training of Caregivers for Vulnerable Groups (e.g. children in out-of-home care, people with dementia)
- Literacy (Reading & Writing)

Dr Priyadarshini Moharkonda Srinivasan
Senior Lecturer
- Stress Management
- Work-Life Balance (Marital and Sexual Happiness/Satisfaction)
- Work-Health
- Job Satisfaction
- Job Motivation

Dr Woon Su Woon
Lecturer
- Health-Related Quality of Life in Children
- Developmental and Health Issues in Children
- Special Education
- Psychometric Development in Malaysia

Postgraduate Programme
- Research Supervisors’ Profile
RESEARCH SUPERVISORS’ PROFILE

DR KHOO WOOI CHEN
• Statistical Modelling and Inference
• Time Series Modelling
• Data Analytics

DR LAI KEE HUONG
Lecturer
• Neutral Networks
• Evolutionary Computation

DR LEOW SOO KAR
Associate Professor
• Operations Research
• Mathematical Programming
• Evolutionary Computation

JEFFREY SACHS CENTER: SUSTAINABLE DEVELOPMENT MANAGEMENT

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

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-Resilient Communities
• Climate Adaptation Strategies

LEONG CHOON HENG
• Community Participation for Sustainable Development
• Sustainable Transportation
• Sustainable Education Delivery Systems

SHANDRE MUGAN THANGAVELU
• Macroeconomic Policies for Sustainability in ASEAN Countries
• Human Capital Development and Welfare
• Technology Transfer and Adaption
• Foreign Direct Investment
• Government Infrastructure Investment
• Endogenous Growth

WOO WING THYE
• Economies in Transition [China, Malaysia and Indonesia]
• Economic Growth and Sustainable Development
• Exchange Rate Economics
• Regional Economic Disparity
• Middle-Income Trap

YEAH KIM LENG
• Development Economics
• Sustainable Tax Systems and Structures
• Monetary Economics
• Capital Markets
• Industry Studies

BURSARY/SCHOLARSHIPS/STUDENTSHIPS

ELIGIBILITY
Eligibility criteria are given in Table 1 (Bursary/Scholarship) and Table 2 (Studentship). 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 studentship or fee waiver: any offer of a studentship or fee waiver will be conditional upon the applicant fulfilling any and all conditions for enrolment on the programme.

ELIGIBILITY CRITERIA FOR BURSARY OR SCHOLARSHIP

<table>
<thead>
<tr>
<th>Programme</th>
<th>Mode of Study</th>
<th>Sunway Graduates*</th>
<th>Non-Sunway Graduates**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Masters by Research</td>
<td>Full-time</td>
<td>100% tuition fee waiver</td>
<td>100% waiver (CGPA ≥ 3.25)</td>
</tr>
<tr>
<td></td>
<td>Part-time</td>
<td>100% tuition fee waiver</td>
<td>50% waiver (CGPA ≥ 3.25)</td>
</tr>
<tr>
<td>PhD by Research</td>
<td>Full-time</td>
<td>100% tuition fee waiver</td>
<td>50% waiver (CGPA ≥ 3.25)</td>
</tr>
<tr>
<td></td>
<td>Part-time</td>
<td>100% tuition fee waiver</td>
<td>50% waiver (CGPA ≥ 3.25)</td>
</tr>
</tbody>
</table>

*Includes all students from Sunway Education Group higher education institutions and Lancaster University (LU). Students must meet minimum entry requirement.

**CGPA requirement applies to the highest and/or most recent qualifying award. For Master’s qualifications for which a CGPA is not given (e.g. holds an MPhil or research degree), at least one publication in a SCOPUS indexed journal is required for 100% fee waiver.
BURSARY/SCHOLARSHIPS/STUDENTSHIPS

ELIGIBILITY CRITERIA FOR STUDENTSHIP

<table>
<thead>
<tr>
<th>PROGRAMME</th>
<th>MODE OF STUDY</th>
<th>SUNWAY GRADUATES*</th>
<th>NON-SUNWAY GRADUATES**</th>
</tr>
</thead>
<tbody>
<tr>
<td>PhD by Research</td>
<td>Full-time</td>
<td>CGPA ≥ 3.25 &amp; at least one SCOPUS indexed output</td>
<td>Graduate of a global top 600 university (QS or THE) a CGPA ≥ 3.25 &amp; at least two SCOPUS indexed outputs</td>
</tr>
<tr>
<td></td>
<td>Part-time</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

*Includes all students from Sunway Education Group higher education institutions and Lancaster University. GPA requirement applies to the highest and/or most recent qualifying award for which CGP is given.

**GPA requirement applies to the highest and/or most recent qualifying award for which a CGP is given.

APPLICATIONS
Applications for support should be by completing the Postgraduate Research Studentship Application Form (obtained from respective Programme Co-ordinator) upon application into the Postgraduate Research (PGR) programme. The application form is to be submitted to the School for HOD recommendation and Dean’s support.

School’s recommendation for PGR Studentships shall be considered by the Provost. The decision of the Provost, which shall be final, will be based on:

(i) Eligibility of the applicant;
(ii) Financial resources;
(iii) Supporting information provided by the student and/or department; and
(iv) Any other relevant criteria.

Applicants will be notified of the outcome of their application by the Research and Enterprise Office.

PROCEDURES
(i) Upon acceptance for admission to a PhD by Research degree programme at Sunway University, the candidate must apply for the scholarship by submitting the ‘Scholarship for Sunway University Research Degrees Form’ to the faculty;
(ii) The Head of Department in which the student shall be registered must review and recommend the candidate to the Dean. With the support of the Dean, the application form will be forwarded to the Research and Enterprise Office (REO);
(iii) The Provost will verify the candidate’s admissibility in line with section stated eligibility criteria and approve.
(iv) Once the application is approved, the REO will prepare a letter of offer to the candidates.
(v) Unsuccessful candidates will be notified by the REO.

TERMS AND CONDITIONS
The awards shall be for the normal duration of the programme, as laid down by the University. Extensions shall not normally be permitted, except where the student has personal mitigating circumstances which could not reasonably foreseen at commencement of the programme.

A candidate who is supported by this scheme will be required to submit half-yearly progress reports to the University Research Degrees Committee (URDC). The candidate’s supervisor must verify that the claimed progress has been made. The URDC will review the report and make a recommendation to Provost on continuation of the support. Support shall only be granted on satisfactory performance and successful progression.

In the event that the candidate fails to make satisfactory progress, fails to complete within the allowable time as stated above, withdraws part way through the programme, or if his/her enrolment in the programme is terminated for any reason, the candidate will no longer be eligible for any fee waiver or scholarship.

APPLICATION CYCLES

<table>
<thead>
<tr>
<th>SUBMISSION DEADLINE</th>
<th>ANNOUNCEMENT OF OUTCOME BY</th>
<th>APPLICABLE TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd Monday September</td>
<td>2nd Monday October</td>
<td>International students commencing in January</td>
</tr>
<tr>
<td>2nd Monday November</td>
<td>2nd Monday December</td>
<td>International students commencing in March</td>
</tr>
<tr>
<td>2nd Monday March</td>
<td>2nd Monday April</td>
<td>Local students commencing in January</td>
</tr>
<tr>
<td>2nd Monday May</td>
<td>2nd Monday June</td>
<td>Local students commencing in March</td>
</tr>
<tr>
<td>3rd Monday August</td>
<td>1st Monday September</td>
<td>International students commencing in August</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Local students commencing in August</td>
</tr>
</tbody>
</table>