

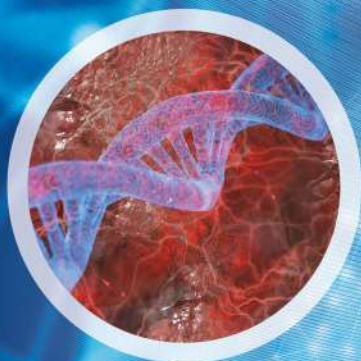
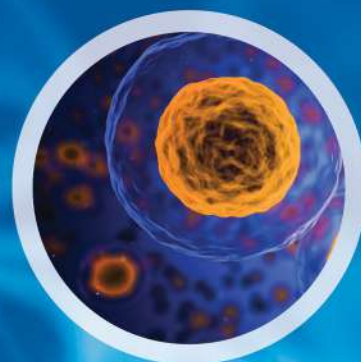
MEDICAL AND LIFE SCIENCES

Postgraduate
- Prospectus -
2022

SUNWAY
UNIVERSITY



A CLASS ABOVE



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CONTACT:

SUNWAY UNIVERSITY DU025 (B)
Owned and governed by the Jeffrey Cheah Foundation
Registration no : 200701042913 (800946-T)



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SUNWAY IS ONE OF THE TOP 150 UNIVERSITIES IN THE WORLD UNDER 50 YEARS OLD

Sunway University is a leading not-for profit private university committed to the pursuit of educational excellence through scholarship, research and enterprise.

The University is ranked among the top 750 universities in the world according to the QS World University Rankings 2021 and is ranked among the top 18% in the QS Asia University Rankings 2022. It has a 5-Star institutional rating in the QS Stars University Ratings in its latest assessment, demonstrating excellence in the individual categories of "Teaching", "Employability", "Facilities", "Inclusiveness" and "Social Responsibility".

The University also enjoys the 5-Star "Excellent" rating in the National SETARA quality assessment, a rating that has been consistently maintained since 2009.

All these accolades bear testament to Sunway's resolve in ensuring high quality teaching, research and service excellence.



United Nations chosen destination for Sustainable Development Goals in Asia



MSC IN LIFE SCIENCES

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.

The Master of Science in Life Sciences (MLS) is a research-based Masters program, 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. The program accepts students for projects from all branches of biological and life sciences, from ecology and conservation to phylogenetics and molecular biology.

The MLS aims to give students a holistic education in the various aspects of biological research work, including field work, surveys, laboratory methods, theoretical statistics and bioinformatics. Graduates will be provided with 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.

In addition, we provide the opportunity for students to be involved in social and outreach activities, as part of our drive to bring science and scientific learning to the wider community. Students will be supervised by one of Sunway University's lecturers and professors in world-class research facilities, which also leverage on Sunway University's unique access to specialist medical (Sunway Medical) and biological (Sunway Wildlife Park) facilities that are part of the greater Sunway Group. This program is validated by Lancaster University, UK, with graduates receiving both a Sunway University and a Lancaster University MSc certificate upon successful graduation.

Accredited by the Malaysia Qualifications Agency.

ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME

Master

Other Qualifications

ENGLISH LANGUAGE REQUIREMENTS

IELTS

TOEFL

PTE Academic

MSC IN LIFE SCIENCES

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

- 6.0 or equivalent
- 50 (paper-based), 213 (computer-based) or 80 (internet-based)
- 50 overall (minimum 46 in each skill)

PROGRAMME STRUCTURE

The MSc in Life Sciences consists of one taught module and one thesis. Candidates are required to complete a course in Research Methodology.

Research Methodology

Candidates 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.

Class schedule for Research Methodologies

Full-time / Part-time:

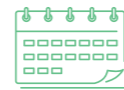
- Classes are conducted once a week on a weekday (5.00pm to 7.00pm)*

*The schedule is subject to change if deemed necessary



DURATION

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



INTAKES

January, April, July, September

VALIDATED BY:



CAREER PROSPECT



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

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PHD IN BIOLOGY

Advance your scientific knowledge in your chosen area of research and enhance your hands-on skills in research and science communication. This is a 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 and communicating the outcomes through journal publications and conference presentations.

Supervisors will be on hand to support you throughout the duration of the programme. Prior to application, prospective candidates are encouraged to consult Sunway's qualified and experienced supervisors to ascertain their area of research.

The programme is accredited by the Malaysia Qualifications Agency.

ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME

Doctor of Philosophy (PhD)
Other Qualifications

ENGLISH LANGUAGE REQUIREMENTS

IELTS

TOEFL

PTE Academic

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.

- 6.0 or equivalent
- 550 (paper-based), 213 (computer-based) or 80 (internet-based)
- 50 overall (minimum 46 in each skill)

PROGRAMME STRUCTURE

Candidates are required to take the module Research Design, Analysis and Communication before they start their thesis.

Research Design, Analysis and Communication

This module equips postgraduate students with skills to design scientific research projects, analyse data using appropriate statistical analyses, and communicate research findings under the various biological research themes offered in the Department of Biological Sciences.

This course hones critical thinking and analytical skills of students to solve real world problems in science. As literacy in statistics is paramount in all fields of scientific inquiry, a statistical component is integrated into this course.

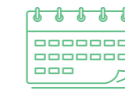
Thesis

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.



DURATION

- Full-Time - 3 years
- Part-Time - 4 years



INTAKES

January, April, July, September

CAREER PROSPECT



- 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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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

STATEMENT OF RESEARCH INTEREST

The statement of research interest should comprise a maximum of 1,000 words and covers the following structure:

- Working Title;
- Nature of the research that interests you and why; and
- Reference to anything you have read relevant to this research area

HOW TO APPLY

MSC IN LIFE SCIENCES

- The following documents must be completed and signed if necessary:
 - 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
 - Postgraduate application form**
 - Research statement**
The statement should be approximately five to ten pages and should briefly describe the research question that the applicant has discussed with his/her future MSc supervisor.
 - Curriculum Vitae (CV)**
 - Scholarship application form (if applicable)**
A one page personal statement to support a request for a scholarship.
- The following true copies of documents must be certified:
 - Passport** (all pages including blank pages — for international students)/**Identity card** (for Malaysian students)
 - English Language Qualification** (IELTS/TOEFL/MUET/others) — for international students
 - Academic qualifications/results (Certificates and complete transcripts)** (Degree/master's degree/others)

- 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 Programme Leader and Program Coordinator.

CONTACT

For more information, please email

Natalina Malar (Programme Coordinator) at natalinaa@sunway.edu.my and/or

Assoc. Prof. Dr Yow Yoon Yen (Programme Leader) at yoonyeny@sunway.edu.my

PHD IN BIOLOGY APPLICATION

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:

- Sunway University Postgraduate Application Form
- A photocopy of NRIC (applicable for Malaysian applicant)
- Photocopy of full set Passport including hardcover (applicable for International applicant)
- One passport size photo (for Student ID Card)
- Copy of certified Bachelor Degree transcript
- Copy of certified Bachelor Degree completion certificate
- Copy of updated Curriculum Vitae (CV)
- Soft copy of thesis/written project and/or any appropriate supporting portfolio of materials/prior creative works, where applicable
- Statement of Research Interest
- Evidence of English Proficiency
Cambridge 'O-Level' with grade C or above / IELTS score of 6.0 or above. Most candidates who completed their undergraduate studies in Malaysia will have met the English language requirement through having successfully completed SPM English language.

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

Programme Leader – PhD in Biology
Department of Biological Sciences
School of Medical and Life Sciences
SUNWAY UNIVERSITY
No. 5, Jalan Universiti, Sunway City
47500 Selangor Darul Ehsan,
Malaysia

CONTACT

For more information, please email

Natalina Malar (Programme Coordinator) at natalinaa@sunway.edu.my and/or

Dr Babu Ramanathan (Programme Leader) at babur@sunway.edu.my

RESEARCH SUPERVISORS' PROFILE

(BIOLOGICAL SCIENCES)

PROFESSOR ABHI VEERAKUMARASIVAM

Professor & Dean

- Cancer genetics & epigenetics
- Birth defects genetics
- Oncolytic viruses
- Ethics & research integrity

DR AMAR DAUD ISKANDAR ABDULLAH

Senior Lecturer

- Traumatic brain injury
- Neurodegenerative diseases
- Cell death in human diseases
- Healthy ageing
- Planetary health

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 CHEN JIT ERN

Senior Lecturer

- Experimental evolution and genetic engineering of micro-algae
- Coral-algal adaptation to heat-stress
- Production and extraction of proteins from microalgae

PROFESSOR GOPALASAMY REUBEN CLEMENTS

Professor and Associate Dean (Research)

- 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

ASSOC. PROF. DR CHEW JACTTY

Associate Dean (Education)

- Superbugs and antibiotic resistance

DR JANE GEW LAI TI

Senior Lecturer

- Development of drug delivery system formulations
- Colloid and surface chemistry
- Antimicrobial nanocoating

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

ASSOC. PROF. DR KAVITA REGINALD

Head of the Department

- Molecular allergology
- Immunotherapy and vaccine development
- Genome wide association studies

DR ONG SENG KAI

Senior Lecturer

- Developmental biology and genetics
- Development of antimicrobial peptides and vaccines

DR RAVINDER KAUR KIRPAL SINGH

Lecturer

- Ecology
- Research and conservation of hornbills in Malaysia's rainforest

DR SAY YEE HOW

Senior Lecturer

- Genetics of obesity and its related traits
- Taste sensory genetics (bitter, sweet, salty, umami, fatty) and food preference
- Behavioural genetics - appetite, dietary habits, lifestyle, various psychological conditions
- Pathophysiology of neuronal proteins involved in neurodegeneration and neoplasms (e.g. prion protein, the Synucleins)

ASSOC. PROF. DR YOW YOON YEN

Associate Professor

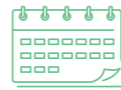
- Application of algae in neurodegenerative disorders, antimicrobial and cosmeceuticals
- Molecular phylogenetics and genetic diversity of algae and invasive species
- Marine biotechnology

MASTER IN MEDICAL SCIENCE



DURATION

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



INTAKES

January, April, July, September

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

MASTER IN MEDICAL SCIENCE

JPT/BPPI(U)(N/722/7/0036/PA12125)01/27

- A Bachelor's Degree in Medical Sciences with minimum CGPA of 2.75 or equivalent.
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

IELTS	• 6.0 or equivalent
TOEFL	• 550 (paper-based), 213 (computer-based) or 80 (internet-based)
PTE Academic	• 50 overall (minimum 46 in each skill)
Cambridge English (First)	• 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. Candidates are required to complete the taught module before they proceed to the submission of thesis.

• Clinical Research Methodology

An advanced study in the management of a research project. The first part discusses the design of a scientific project in clinical and medical settings, including research questions, hypothesis, method selection, problem solving, and data collection and analysis. The second part focuses on scientific communication skills including proposal writing, oral presentation and publication.

Class schedule for Research Methodologies

Full-time / Part-time:

- Once a week on a weekday; (5.00pm to 7.00pm)

• Thesis

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

CAREER PROSPECT



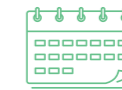
- Researcher
- Educator
- Analyst
- Sales Executive
- Product specialist
- Application specialist
- Laboratory manager
- Medical technologist
- Medical journalist
- Entrepreneur

PHD IN MEDICAL SCIENCE



DURATION

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



INTAKES

January, April, July, September

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 and transforms them into new treatments and approaches to improve health and medical care in the community.

The minimum duration of study is normally 3 years for full-time students and 4 years for part-time students. Along with the supervisory guidance, students identify the research questions 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 to become competent in project planning and management, skilful in scientific communications, and ethically literate and socially responsible. To graduate, students must produce a thesis based on their original research findings and subsequently pass the thesis examination and viva voce.

CAREER PROSPECT



- Lecturer
- Researcher/postdoctoral fellow
- Health and safety officer
- Chief medical technologist
- Medical journalist
- Scientific policy maker
- Medical or pharmaceutical sales manager/Entrepreneur

JPT/BPPI(U)(N/720/8/0107/PA11941)06/26

ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME

Doctor of Philosophy (PhD)
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) or 80 (internet-based)
PTE Academic	• 50 overall (minimum 46 in each skill)
Cambridge English (First):	• 75+
Cambridge English (Advanced):	• Minimum 67

Medium of instruction of previous degree in English

PROGRAMME STRUCTURE

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

• Clinical Research Methodology

An advanced study in the management of a research project. The first part discusses the design of a scientific project in clinical and medical settings, including research questions, hypothesis, method selection, problem solving, and data collection and analysis. The second part focuses on scientific communication skills including proposal writing, oral presentation and publication.

Class schedule for Clinical Research Methodology

Full-time / Part-time:

- Full-time: On one weekday: 5pm-7pm
- Part-time: On one weekday: 5pm-7pm

• Thesis

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

AREAS OF RESEARCH

Areas of research include:

- 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
- Microbiology
- Molecular Biology
- Neuroscience
- Nuclear Medicine
- Nutrition Science
- Pain
- Pathology
- Pharmacology
- Physiology
- Primary Care Disorders
- Primary Care Geriatrics
- Radiation
- Radiotherapy
- Tissue Engineering
- Toxicology
- Virology

STATEMENT OF RESEARCH INTEREST

The statement of research interest should comprise a maximum of 1,000 words and covers the following structure:

- a. Working Title;
- b. Nature of the research that interests you and why; and
- c. Reference to anything you have read relevant to this research area

HOW TO APPLY

MASTER IN MEDICAL SCIENCE APPLICATION

- 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 five to ten pages 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 (if applicable)**
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 Programme Leader and Program Coordinator.

CONTACT

For more information, please email

Nurul Huda (Postgraduate Coordinator) at nurula@sunway.edu.my and/or

Dr Hwang Jung Shan (Programme Leader) at hwangjs@sunway.edu.my

PHD IN MEDICAL SCIENCE APPLICATION

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:

- Sunway University Postgraduate Application Form
- A photocopy of NRIC (applicable for Malaysian applicant)
- Photocopy of full set Passport including hardcover (applicable for International applicant)
- One passport size photo (for Student ID Card)
- Copy of certified Bachelor Degree transcript
- Copy of certified Bachelor Degree completion certificate
- Copy of updated Curriculum Vitae (CV)
- Soft copy of thesis/written project and/or any appropriate supporting portfolio of materials/prior creative works, where applicable
- Statement of Research Interest
- Evidence of English Proficiency
Cambridge 'O-Level' with grade C or above / IELTS score of 6.0 or above. Most candidates who completed their undergraduate studies in Malaysia will have met the English language requirement through having successfully completed SPM English language.

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

Programme Leader – PhD Medical Science
Department of Medical Sciences
School of Medical and Life Sciences
SUNWAY UNIVERSITY
No. 5, Jalan Universiti, Sunway City
47500 Selangor Darul Ehsan,
Malaysia

CONTACT

For more information, please email

Nurul Huda (Programme Coordinator) at nurula@sunway.edu.my and/or

Dr Hwang Jung Shan (Programme Leader) at hwangjs@sunway.edu.my

RESEARCH SUPERVISORS' PROFILE

(MEDICAL SCIENCES)

PROFESSOR DR CHIA YOOK CHIN

Head of Department

- 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
- Ethics in healthcare

ASSOC. PROF. DR FELICIA CHUNG FEI LEI

Associate Professor

- Cancer epigenetics
- Mutational signatures in cancer
- Cancer cell in biology

ASSOC. PROF. DR HWANG JUNG SHAN

Associate Professor

- Autoimmune diseases
- Innate immune response
- Pore-forming toxins

DR OOI PEI BOON

Assoc. Professor / Director, Special Projects

- Active ageing and well-being
- Cyberbullying: online behaviour and prevention programmes
- Counsellor education
- Counselling psychology
- Internationalisation of higher education institution

ASSOC. PROF. DR RONALD TEOW SIN YEANG

Associate Professor

- Cancer biology
- Cancer therapeutics

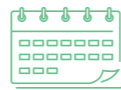


MSC IN PSYCHOLOGY



DURATION

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



INTAKES

January, April, July, September

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: <https://university.sunway.edu.my/smls/psych-msc>

CAREER PROSPECT

- Research consultant
- Researcher
- Analyst
- Lecturer
- Project manager
- Operations director
- Senior manager
- Technical author

JPT/BPP[U](R2/31/7/0086/FA1400)04/27

ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME

Master
Other Qualifications

MSC IN PSYCHOLOGY

- 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
TOEFL
PTE Academic
Cambridge English (First/CEFR)
Cambridge English (Advanced/CEFR)
SPM English 1119

- 6.0 or equivalent
- 550 (paper-based), 200 (computer-based) or 75 (internet-based)
- 50 overall
- 170 (Grade B)/B2
- 170 (Grade B)/B2
- 5C

PROGRAMME STRUCTURE

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

Core Modules

Intermediate Research Methods

This subject covers topics associated with the design of research in Psychology. As well as developing an understanding of methodological issues students learn skills such as those involved in reviewing published studies to inform the design of a specific project, and how to write a comprehensive research proposal for a quantitative study. The student will understand the process of designing complex research projects, collecting data, subsequently analysing data, APA format, concepts surrounding the types of research design, as well as ethical issues involved in research.

Class schedule for Research Methodologies

Full-time / Part-time:

- 2 hours per week;
Mondays – Fridays (8.00am to 6.00pm)

Intermediate Statistics

This course is to ensure that students are familiar with a variety of statistical techniques for use with differing forms of data. Teaching objectives relate to understanding the formulae that are used for univariate and basic multivariate statistics. Student will also learn coding and interpretation of quantitative data to answer research questions, using statistical softwares.

Class schedule for Research Methodologies

Full-time / Part-time:

- 3 hours per week;
Mondays – Fridays (8.00am to 6.00pm)

Thesis

Master's Research Thesis

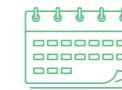
The thesis is designed to allow students to demonstrate their knowledge in a specific research area, identify a research problem and develop a research solution that contributes to the research area. The project will communicate this knowledge in the form of a written report that is of publication quality.

PHD IN PSYCHOLOGY



DURATION

Full-Time - 3 years
Part-Time - 4 years



INTAKES

January, April, July, September

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: <https://university.sunway.edu.my/smls/psych-phd>

CAREER PROSPECT



- Lecturer
- Researcher
- Research consultant
- Technical consultant
- Technical author
- Senior analyst

JPT/BPP[U](IN/311/8/0101/PA9382)04/25

ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME

Doctor of Philosophy (PhD)

Other Qualifications

PHD IN PSYCHOLOGY

- A Bachelor's Degree in Psychology or equivalent with a minimum CGPA of 3.00, AND;
- A Master's Degree in Psychology.
- 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
TOEFL
PTE Academic
MUET
Cambridge English (First/CEFR):
Cambridge English (Advanced/CEFR):
SPM English 1119

- 7.0 or equivalent
- 600 (paper-based), 250 (computer-based) or 95 (internet-based)
- 65 overall
- Band 5
- 185 (Grade A)/C1
- 185 (Grade C)/C1
- 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.

Core Modules

Advanced Research Methods

This subject covers topics associated with the design of research in Psychology. As well as developing an understanding of methodological issues students learn skills such as those involved in reviewing published studies to inform the design of a specific project, and how to write a comprehensive research proposal for a quantitative and qualitative study. The objective of this course is to ensure that students understand the process of designing complex research projects, collecting data, and subsequently analysing data; APA format, concepts surrounding the types of research design; as well as ethical issues involved in research.

Class schedule for Research Methodologies

Full-time / Part-time:

- 2 hours per week;
Mondays – Fridays (8.00am to 6.00pm)

Advanced Statistics

The main aim of this course is to ensure that students are familiar with a variety of statistical techniques for use with differing forms of data. Teaching objectives relate to understanding the formulae that are used for univariate and basic multivariate statistics. Student will also learn coding and interpretation of quantitative data to answer research questions, using statistical softwares.

Class schedule for Research Methodologies

Full-time / Part-time:

- 3 hours per week;
Mondays – Fridays (8.00am to 6.00pm)

Thesis

Doctoral Thesis

The Doctor of Philosophy in Psychology programme aims to equip graduates with the skills to independently carry out work of international standard at the forefront of their field and to act as experts in the advancement of new knowledge.

AREAS OF RESEARCH

Areas of research include:

- **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 of solve problems.

STATEMENT OF RESEARCH INTEREST

The statement of research interest should comprise a maximum of 1,000 words and covers the following structure:

- Working Title;
- Nature of the research that interests you and why; and
- Reference to anything you have read relevant to this research area

HOW TO APPLY

MSC IN PSYCHOLOGY APPLICATION

- The following documents must be completed and signed if necessary:
 - 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
 - Postgraduate application form**
 - Research statement**
The statement should be approximately five to ten pages and should briefly describe the research question that the applicant has discussed with his/her future MSc supervisor.
 - Curriculum Vitae (CV)**
 - Scholarship application form (if applicable)**
A one page personal statement to support a request for a scholarship.
- The following true copies of documents must be certified:
 - Passport** (all pages including blank pages — for international students)/**Identity card** (for Malaysian students)
 - English Language Qualification** (IELTS/TOEFL/MUET/others) — for international students
 - Academic qualifications/results (Certificates and complete transcripts)** (Degree/master's degree/others)

- 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 Programme Leader and Programme Coordinator.

CONTACT

For more information, please email

Nur Amalina (Programme Coordinator) at amalinaz@sunway.edu.my and/or

Dr Wo Su Woan (Programme Leader) at suwoan@sunway.edu.my

PHD IN PSYCHOLOGY APPLICATION

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:

- Sunway University Postgraduate Application Form
- A photocopy of NRIC (applicable for Malaysian applicant)
- Photocopy of full set Passport including hardcover (applicable for International applicant)
- One passport size photo (for Student ID Card)
- Copy of certified Bachelor Degree transcript
- Copy of certified Bachelor Degree completion certificate
- Copy of updated Curriculum Vitae (CV)
- Soft copy of thesis/written project and/or any appropriate supporting portfolio of materials/prior creative works, where applicable
- Statement of Research Interest
- Evidence of English Proficiency
Cambridge 'O-Level' with grade C or above / IELTS score of 6.0 or above. Most candidates who completed their undergraduate studies in Malaysia will have met the English language requirement through having successfully completed SPM English language.

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

Programme Leader – PhD in Psychology
Department of Psychology
School of Medical and Life Sciences
SUNWAY UNIVERSITY
No. 5, Jalan Universiti, Sunway City
47500 Selangor Darul Ehsan,
Malaysia

CONTACT

For more information, please email

Nur Amalina (Programme Coordinator) at amalinaz@sunway.edu.my and/or

Dr Lin Mei-Hua (Programme Leader) at mhlin@sunway.edu.my

RESEARCH SUPERVISORS' PROFILE

(PSYCHOLOGY)

PROFESSOR ALEXANDRE SCHAEFER

Professor

- Socioeconomic determinants of mental health
- Human emotions and its disorders
- Decision-making processes & Neuroeconomics
Research Methods in social and behavioural sciences
- Social and affective neuroscience

DR ALIA AZALEA

Senior Lecturer

- Job attitudes
- Counterproductive work behaviour
- Organisational justice
- Job design and crafting
- Personality – especially on Psychopathic personality

PROFESSOR ALVIN NG LAI OON

Professorial Teaching Fellow

- Mental health literacy
- Mindfulness-based stress reduction/cognitive therapy
- Psychometric development for cross-cultural clinical measures (e.g. Attitudes to Ageing Scale, Rumination Response Scale, Autism Quotient Scale)
- Behaviour fluency-building

DR 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

Senior Teaching Fellow

- Family mealtime
- Parenting practices on socioemotional development
- Learning environments and technology

DR ELIZAVETA BEREZINA

Senior Lecturer

- Quality of life, mental health and well-being
- Behavioural changing techniques
- Personality, language, and health related behaviour
- Quality of Higher Education and students' well-being
- Social representations of health and illness

DR GRACE YAP

Lecturer

- Attitudes and motivation toward health management
- Complementary medicine, home remedy, health and quality of life
- Prosocial and altruistic behaviours
- Prolonged life crisis, pandemic and psychological impact
- Cybervictimisation

JACQUELINE GAN

Senior Teaching Fellow

- Sexual and reproductive health
- Technology and Quality of relationships
- Breastfeeding support

DR JOHN JAMIR BENZON R. ARUTA

Senior Lecturer

- Cultural aspect of mental health
- Culture-specific predictors of environmental concern, attitudes, and behaviours
- Co-benefits of nature and human interaction
- Intergenerational learning

DR LEE AI-SUAN

Lecturer

- Cross-cultural face and body perception
- Body image, food choice and eating behaviour
- Cross-cultural perceptual differences
- Linguistic relativity

ASSOC. PROF. DR LIN MEI-HUA

Associate Professor

- Changing nature of work on employees' health and well-being
- Trust and mistrust in the workplace
- Teamwork/Group processes
- Job attitudes
- Cultural differences in work behaviours

DR WO SU WOAN

Lecturer

- Developmental screening test for children
- Inclusive education in Malaysia
- Development of questionnaire/instrument and its psychometric properties

DR WOO PEI JUN

Senior Lecturer

- Face perception in infants, children, and adults
- Speech perception and word learning in infants
- Impact family practices/ interaction on infant and children's development
- Impact of infant massage on parent and infant outcomes.
- Developmental delay in children

DR WU SHIN LING

Lecturer

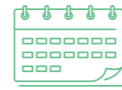
- Risk and protective factors of suicide
- Adolescent and youth well-being and mental health
- Parental practices and adolescent behaviour
- Lifestyle, technology usage and social relationship

POSTGRADUATE DIPLOMA IN PRIMARY CARE FOR ELDERLY



DURATION

Full-Time - 1 year
Part-Time - 2 years



INTAKES

January

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.

These graduates will contribute to the healthcare needs of older individuals as well as supporting the healthcare delivery system in providing better care for older individuals who have multiple medical illnesses.



CAREER PROSPECT



- Primary care geriatrics
- Researcher in elderly care
- Lecturer
- Licensee for nursing home
- Analyst for primary care geriatrics
- Advisor for pharmaceuticals/nutritional products for elderly
- Track to specialist training
- Educators for allied healthcare and careers of elderly

ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME

Diploma

POSTGRADUATE DIPLOMA IN PRIMARY CARE FOR ELDERLY

- At least 1 year of post housemanship experience.
- Minimum 6-months direct patient care and/or in clinical medicine.
- Must be in direct patient care during the period of this training programme.
- Registered Malaysia Medical Council (MMC) / Country's Medical Licensing Board/ members or equivalent.
- Current Annual Practicing Certificate (APC).

ENGLISH LANGUAGE REQUIREMENTS

IELTS
TOEFL
MUET

- 5.0 or equivalent
- 550 (paper-based), 200 (computer-based) or 75 (internet-based)
- Band 4

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 Modules

- 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 the Older Person

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.

CLASS SCHEDULE

Full-time Schedule:

- Online teaching once a week at 8.00pm (Malaysian time).
- Weekend workshops (Saturday & Sunday) in January, April, June and September 2022 from 9.00am to 5.00pm (Malaysian Time).

HOW TO APPLY

Applicants will be required to submit the following documents:

- Sunway University Postgraduate Application Form
- A photocopy of NRIC (applicable for Malaysian applicant)
- Photocopy of full set Passport including hardcover (applicable for International applicant)
- One passport size photo (for Student ID Card)
- Copy of certified Registered Malaysia Medical Council (MMC) / Country's Medical Licensing Board/or equivalent
- Copy of certified Current Annual Practicing Certificate (APC)
- Copy of certified MBBS certificate
- Copy of certified MBBS academic transcript (if any)
- Copy of certified completion certificate of other relevant courses
- A detailed and updated CV
- Evidence of English Proficiency Cambridge 'O-Level' with grade C or above / IELTS score of 6.0 or above. Most candidates who completed their undergraduate studies in Malaysia will have met the English language requirement through having successfully completed SPM English language.

Application for Full Scholarship

- Ministry of Health Doctors
- International Student

Please submit the following supporting documents for scholarship application.

- 2 x Referees report
- Copy of Service record
- Copy of certified SPM certificate
- Copy of certified STPM/A-Level/IB/Matriculation certificate and transcripts where relevant

Applicants can submit the following documents via email to: shms@sunway.edu.my / nurula@sunway.edu.my. Closing date for Scholarship application: **30 November 2022**.

CONTACT

For more information, please email

Nurul Huda (Programme Coordinator) at nurula@sunway.edu.my and/or **Prof Chia Yook Chin** (Programme Leader) at ycchia@sunway.edu.my

BURSARY & SCHOLARSHIPS



POSTGRADUATE PROGRAMMES BY RESEARCH

Eligibility Criteria

Scholarships are open to all **full time postgraduate** students enrolled for programmes **by research**. Eligibility criteria are given in the table below. 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 postgraduate study.

The student must have successfully completed their proposal defense, have received ethics approval and be able to demonstrate that data collection has commenced by the end of Year 1 to continue the scholarship funding for Year 2.



ELIGIBILITY CRITERIA FOR BURSARY OR SCHOLARSHIP

Programme	FUNDED PROJECT SUPPORT SCHEME		BURSARY*		SCHOLARSHIP**	
	Mode of Study	Quantum	Mode of Study	Quantum	Mode of Study	Quantum
Masters by Research	Full-Time	100% tuition fee waiver	Full-Time	30% tuition fee waiver	Full-Time	60% tuition fee waiver
PhD by Research	Full-Time	100% tuition fee waiver	Full-Time	50% tuition fee waiver	Full-Time	100% tuition fee waiver

* Bursary is only offered to Sunway graduates from Sunway Education Group higher education institutions.

** Scholarship is open to Sunway and non-Sunway graduates.

SUNWAY UNIVERSITY

IN PARTNERSHIP WITH THE WORLD

UNIVERSITY OF CALIFORNIA, BERKELEY

HARVARD UNIVERSITY

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LANCASTER UNIVERSITY

UNIVERSITY OF OXFORD

UNIVERSITY OF CAMBRIDGE

LE CORDON BLEU

ALIBABA BUSINESS SCHOOL

As part of our nation building ambitions, Sunway University has travelled the world seeking out the finest educational opportunities, bringing them closer to you.

LIVE

Whilst most universities have a campus, only Sunway University has a city. Experience a world-class education right here at Sunway City, Malaysia's model smart-sustainable city enabled by 5G.

LEARN

International collaborations with the world's most renowned institutions offer Malaysians world-class education at local prices, avoiding the expensive cost of overseas travel and unfavourable exchange rates.

LEAD

Currently pioneering research with the University of Cambridge to collaborate on ways to combat the Covid-19 pandemic in the Jeffrey Cheah Biomedical Centre at the University of Cambridge.

LEGACY

Located at Sunway City, Malaysia, Sunway University joins New York & Paris as one of the three United Nations Sustainable Development Solutions Network (SDSN) Centres in the world to coordinate continent-wide sustainable initiatives.

ONE UNIVERSITY, A WORLD OF OPPORTUNITIES.

A CLASS ABOVE

