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Owned and governed by the Jeffrey Cheah Foundation
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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





WELCOME

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

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

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

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

G Wilkinson

Professor Graeme Wilkinson

DPhil (Oxford) FBCS FRSA
(Vice-Chancellor)



WHY CHOOSE SUNWAY UNIVERSITY POSTGRADUATE STUDIES

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

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

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

Peter

Professor Peter Heard
(Provost)



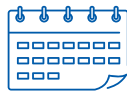
MASTER IN SUSTAINABLE DEVELOPMENT MANAGEMENT

(Blended mode and ODL mode)



DURATION

Minimal 12 months



INTAKES

January, April, August

Sustainable Development for a Better World

The New Normal of the world of the 21st Century is characterised by global pandemic, extreme weather patterns, political populism, social inequality, loss of biodiversity, financial crisis, economic stagnation of middle-income countries, trade wars and geo-strategic competition, food contamination and food insecurity, and worsening urban blight. This New Normal prompted the United Nations in 2015 to announce the 17 Sustainable Development Goals (SDGs) as the solution to the problems of this New Normal.

The world is in desperate need of people who understand this New Normal and are able to formulate new strategies to achieve these 17 SDGs in order to ensure collective sustainability in ecological balance, economic dynamism, environmental safety, social harmony, and effective international partnerships in global health, international peace, and climate action. The Master in Sustainable Development Management (MSDM) programme at Sunway University is designed to empower individuals and organisations to develop innovative solutions to achieve these 17 SDGs.

Sunway University

Sunway University is dedicated to championing sustainability on an around campus, and to nurturing a community of socially and ecologically responsible individuals. The campus is strategically located in Sunway City, Malaysia's first integrated green township to be certified by the Green Building Index.

The Sunway City township was transformed from a tin mining wasteland to a sustainability model for other townships nationally and regionally. It has also been recognised as a Top Smart City Initiative in the Asia Pacific region and an Integrated Smart and Low-Carbon Township by IDC Government Insights in 2017.

The student experience at Sunway University has many benefits including green spaces and environment-friendly infrastructure such as elevated canopy walkways, convenient public transportation and bio-diversified theme parks – all of which are situated in a pollution-free area.

From practical initiatives such as the biannual e-Waste Disposal Campaign and collaborations with NGOs on projects such as the Earth Warriors, to academic pursuits in carbon dioxide waste conversion and optimisation of renewable energy technology, Sunway University is committed to various activities to achieve its sustainability objectives.

The Jeffrey Sachs Centre

The Jeffrey Sachs Center on Sustainable Development (JSC) tackles the sustainability agenda through education, training, research, and policy advisory. As the Asian base of the United Nations Sustainable Development Solutions Network, JSC is a hub of research and policy practice, delivering world-class programmes to train students, practitioners and policy leaders on sustainable initiatives while working in collaboration with industries, agencies, government bodies and universities worldwide.

JSC was established through a contribution by the Jeffrey Cheah Foundation – the biggest of its kind towards advancing the 17 Sustainable Development Goals. The Center operates under the supervision of Professor Jeffrey D. Sachs, one of the world's leading experts in sustainable development.



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Programme Overview:

The Master in Sustainable Development Management (MSDM) 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. The programme aims to equip students with necessary management skills and acumen to create innovative solutions to achieve the Sustainable Development Goals (SDGs). It encompasses corporate sustainability strategies, social entrepreneurship, finance and sustainability, sustainable management and operations, as well as economics and development. This is built upon a broad knowledge base that covered critical areas like climate change, waste management, energy systems, agriculture and food systems, forestry, and biodiversity. Students are not only exposed to theories and concepts but also real-world practices and case studies to gain a holistic understanding of the opportunities and challenges to achieving the SDGs in scientific, economic, business, and technological aspects.

The MSDM programme has two modes for delivery of instruction:

1. **Blended mode (Track 1) – In-person classes, OR**
2. **ODL mode (Track 2) – Fully online**



CAREER PROSPECT

Graduates from this programme will use their knowledge and skills to generate solutions in their own organisations or sectors, or they may embark on new career paths. Whether innovators, social entrepreneurs, educators, consultants, political leaders, civil society activists, writers, or policymakers, they will be agents of change for a better world.

MSDM graduates are expected to work in public, private, and non-governmental organisations at all levels.

In the corporate sector, more and more businesses are establishing sustainability divisions to spur innovation that address social and environmental needs while simultaneously improving their bottom lines. Increasingly, various indices are being created to assess and rank businesses based on their sustainability.

In the public sector, governments strive to link the economic, environmental, and social dimensions of development. The concept of Sustainable Development occupies the policy discussion in practically all sectors of government at all levels, anchored in the needs and realities of the countries and regions.

In addition to those in the UN systems, there are also a growing number of non-governmental organizations, from local to international, dedicated to promoting and attaining the 17 SDGs.

ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME

MASTER IN SUSTAINABLE DEVELOPMENT MANAGEMENT (Blended mode and ODL mode)

Candidates should have either one of these qualifications:

Bachelor's Degree

- A Bachelor degree (Level 6, MQF) or its equivalent, with a minimum CGPA of 2.50 out of 4.00, or equivalent from a recognised Institution of Higher Education, as accepted by the University's Senate;
- OR
- A Bachelor's degree (Level 6, MQF) with CGPA below 2.50 out of 4.00 or its equivalent qualifications can be accepted subject to a minimum of 5 years of working experience in a relevant field;
- OR

Other Qualifications

- Any other equivalent professional qualification recognised by the Malaysian Government.

ENGLISH LANGUAGE REQUIREMENTS

International candidates should demonstrate English proficiency sufficient to meet the needs of the programme:

IELTS

- 6.0 / CEFR: B2

TOEFL

- TOEFL: PBT (550) or IBT (75)

Cambridge English (Advanced)

- 180 / CEFR: B2 or

Cambridge English (Proficiency)

- 180 / CEFR: C1

PTE Academic

- 50

Malaysian University English Test

- Band 4

If a student does not meet this requirement, the HEP offers English proficiency courses to ensure that the student's proficiency is sufficient to meet the needs of the programme. This is normally conducted through an English language proficiency assessment.

PROGRAMME STRUCTURE

Students are required to complete 9 core courses, including Research Projects I & II, and 5 elective courses.

Core Courses

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

Available Electives

- Sustainable Waste Management
- Energy Systems and Management
- Sustainable Agriculture and Food Systems
- Sustainable Forestry
- Biodiversity
- Governance in Sustainable Development
- Sustainable Economic Development
- Smart Tech and IOT

CLASS SCHEDULE

- All lectures and tutorials are held in the weekends in the daytime (Malaysia, UTC+8)

HOW TO APPLY

Acceptance into the programme is by application and selection only. 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 the following documents:

- Sunway University Postgraduate Application Form
- A detailed CV
- One (1) passport-sized photograph
- A certified copy of each degree-level certificate
- 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

CONTACT

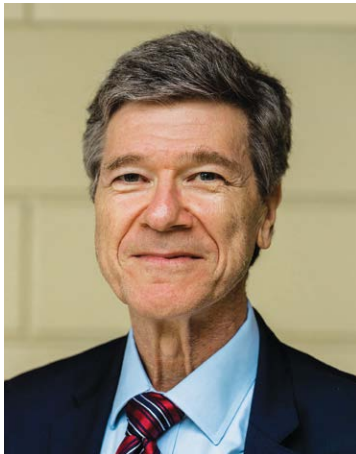
You are welcome to contact us at JSC Graduate Studies Office via email jsc_admissions@sunway.edu.my. **Live Q&A sessions will be held on every Wednesday (except public holiday) at 17:30 via Zoom on request.** You may register via the above email.



WHO YOU WILL BE WORKING WITH



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for Sustainable Development Goals in Asia



PROFESSOR JEFFREY D. SACHS

*Chairman, Jeffrey Sachs Center on Sustainable Development
Director, UN Sustainable Development Solutions Network*

Professor Jeffrey Sachs is a University Professor and Director of the Center for Sustainable Development at Columbia University, where he directed the Earth Institute from 2002 until 2016.

He is also Director of the UN Sustainable Development Solutions Network and a commissioner of the UN Broadband Commission for Development. He has been advisor to three United Nations Secretaries-General, and currently serves as an SDG Advocate under Secretary General António Guterres. He spent over twenty years as a professor at Harvard University, where he received his B.A., M.A., and Ph.D. degrees.

He has authored numerous bestseller books. His most recent book is *Ages of Globalization: Geography, Technology, and Institutions* (2020). Sachs was twice named as Time magazine's 100 most influential world leaders, and was ranked by The Economist among the top three most influential living economist.



PROFESSOR WOO WING THYE

*Director, Jeffrey Sachs Center on Sustainable Development
President, Jeffrey Cheah Institute on Southeast Asia*

Professor Woo heads the Jeffrey Sachs Center on Sustainable Development at Sunway University. He also holds academic appointments at University of California at Davis, Columbia University, Fudan University, Chinese Academy of Social Sciences, and Penang Institute.

His current research focuses on macroeconomic management of open economies; and on the growth challenges (e.g. the middle-income trap, and the Sustainable Development Goals) of the East Asian economies, particularly, China, Indonesia and Malaysia. He has led an international team (which included Leszek Balcerowicz, Boris Fedorov, Fan Gang and Jeffrey Sachs) to study the reform experiences of centrally-planned economies; has served as a special advisor to the U.S. Treasury; and headed the project "Asia Competitiveness Report 1999" to analyse the Asian financial crisis.

In 2004, the University of California at Davis awarded him its Distinguished Scholarly Public Service Award; in 2006, he was appointed a Chang Jiang Professor by the Ministry of Education of China; and in 2016, he was appointed a National Distinguished Expert under the Thousand Talents Program of China.

Professor Woo studied Economics at Swarthmore College, Yale University, and Harvard University.

**PROFESSOR LEONG CHOON HENG**

*Deputy Director, Jeffrey Sachs Center on Sustainable Development
Professor of Sociology, Environment and Sustainability*

Professor Leong teaches in the fields of sociology, public policy, transportation and logistics. At the Jeffrey Sachs Center, his research is largely in the areas of sustainable development, community participation, sustainable transportation and education delivery systems. His earlier experience includes managing a university and heading its Transportation and Logistics Program where he taught courses related to sustainable transportation and the environment.

He has also worked on policy issues at the Institute of Strategic and International Studies, which is a policy think-tank for the Malaysian government, and as consultant to several international organizations on social development, human resource development and environmental assessment.

He holds a PhD in Sociology from Harvard University and a Bachelor of Arts degree from Colby College, USA.

**PROFESSOR SHANDRE MUGAN THANGAVELU**

*Professor of Development Economics and Green Technologies,
Jeffrey Sachs Center on Sustainable Development
Vice President, Jeffrey Cheah Institute on Southeast Asia*

Professor Shandre is an active researcher on human capital development, technology transfer, foreign direct investment, trade, government infrastructure investment, productivity and economic growth; and has published extensively on these topics.

Apart from his position at Sunway University, he is also Regional Director (Southeast Asia) at the Center for International Economic Studies, Institute of International Trade, University of Adelaide; as well as the Director of the Asia Growth Research Center, University of Adelaide.

He was appointed Fellow of the Economic Research Institute for ASEAN and East Asia (ERIA) in 2017. He has also worked on several international projects commissioned by UNDP, World Bank, ASEAN Secretariat, APEC, and Asian Productivity Organization (APO). His graduate degrees are from Queen's University, Canada.

WHO YOU WILL BE WORKING WITH (CONTINUED)



United Nations chosen destination
for Sustainable Development Goals in Asia



PROFESSOR AGAMUTU PARIATAMBY

*Professor, Jeffrey Sachs Center on Sustainable Development
High Level End Foreign Expert, for the Ministry of Science and Technology, China*

Before joining the Jeffrey Sachs Center on Sustainable Development, Sunway University, Professor Agamuthu was a Senior Professor at University of Malaya for 44 years specializing in Solid and Hazardous Waste Management.

From 2018 onwards he is a Visiting Professor, at Zhejiang University of Technology, Hangzhou, China. He is also the Vice-President and International Advisory Board Member of the Society of Solid Waste Management Experts in Asia and Pacific Islands (SWAPI). Additionally, he is a Fellow of the Academy of Sciences, Malaysia. Prof Agamuthu is the Senior Editor in Chief of the Waste Management & Research international journal based in Vienna, Austria; and Editor, Journal of Material Cycles and Waste Management.

He is also a High Level End Foreign Expert for the Ministry of Science and Technology, China; and the Chairman of the Organization for Climate Change (OFCC) and a member of the DE Tao Masters, China.



PROFESSOR WONG CHIN HUAT

Professor, Jeffrey Sachs Center on Sustainable Development

Trained as a comparativist in University of Essex, UK, Professor Wong specialises in electoral system and party system. A long-term advocate for electoral reform in Malaysia through the civil society-based Coalition for Clean and Fair Elections (Bersih), he now leads the clusters on electoral system and constituency delimitation in the Malaysian Government's Electoral Reform Committee (ERC). Beyond political institutions,

Wong also studies identity politics and leads an annual survey on Malay-Muslims in Malaysia, Nadi Melayu-Muslim, funded by Germany's Friedrich Ebert Stiftung (FES). Wong's political insights are featured in international and domestic media in English, Chinese and Malay, including New York Times, Project Syndicate, Aljazeera, Malaysiakini, Astro and The Initium (HK). He has also published books on Malaysian politics in English and Chinese.

**PROFESSOR FUN WOH PENG**

Professor of Practice, Jeffrey Sachs Center on Sustainable Development

Professor Fun's work at the Jeffrey Sachs Center on Sustainable Development is focused on low carbon power generation and transportation. Before joining the academic world, he had a long career in the automotive and manufacturing industries.

Upon completion of his Ph.D., Professor Fun joined the Ford Motor Company in Detroit as a Senior Design Engineer, and was later assign to Asia to support an R&D Joint-Venture between Ford, Mazda and Sanyo, with headquarters in Japan and manufacturing in Malaysia. After 3 years he moved on to lead Supplier Development at Ford International Business Development, Singapore. He subsequently joined a large Malaysian auto parts manufacturer where he was eventually appointed as Executive Director and Chief Corporate Representative and a member of the Board of Directors. During his tenure, revenue and net profit of the company doubled. In line with the company's desire to go global, he also set up an R&D unit to support all product development of the company.

Professor Fun holds a Bachelor and Masters degrees in Aerospace Engineering; and a Ph.D. in Electrical Engineering, from The University of Texas at Austin.

**PROFESSOR LEONG YUEN YOONG**

Professor, Jeffrey Sachs Center on Sustainable Development

Professor Leong co-leads the ASEAN Green Deal project at the SDSN-Asia office. This involves reviewing Malaysia's work and developing technology roadmaps forward for deep decarbonisation, and coordinating similar projects spanning ASEAN countries.

City-oriented consumerism of the developed world is unsustainable. Southeast Asia aspires to achieve ecosystem understanding, symbiosis and full lives using less material, and lead the planet in this. She brings the care and growth leadership model, the European heritage regarding work as a learning process and board level perspectives to her teaching.

Professor Leong began her professional life with Golden Hope Plantations Berhad, Sime Darby Berhad and the Malaysian Life Sciences Capital Fund, and has since had an entrepreneurial career, co-founding two businesses – WAYY Consulting and Natural Ease. She has a PhD from University of Cambridge and a Meng from Imperial College London.

WHO YOU WILL BE WORKING WITH (CONTINUED)



United Nations chosen destination
for Sustainable Development Goals in Asia



PROFESSOR NOORUL AINUR MOHD NUR

Professor of Practice, Jeffrey Sachs Center on Sustainable Development

Tan Sri Prof Dr. Noorul Ainur Mohd. Nur has 38 years of experience in the Malaysian public sector and was the Secretary General of Ministry of Higher Education (2016 – 2018); Secretary General of Ministry of Science, Technology and Innovation Malaysia (2014 –2016); and Secretary General of Ministry of Women, Family and Community Development Malaysia (2010-2014).

She headed the World Trade Organisation (WTO) Unit under the Ministry of Finance Malaysia. She was also the Senior Project Coordinator at the Economics Centre at the Institute of Public Administration (INTAN), as well as an in-house lecturer on international economics, poverty, gender, globalisation and human resource development. In the international arena, she served as the Senior Advisor in the Southeast Asia Group for the World Bank in Washington D.C. (2006- 2008).

She was also the Malaysian representative to the ASEAN Commission on the Promotion and the Protection of the Rights of Women and Children (ACWC) (2010-2014). She was appointed Vice-President of Intergovernmental Council of the Management of Social Transformations Programme of UNESCO for Asia and the Pacific region (2013-2015). She also served as President of Science Commission, United Nations Educational, Scientific and Cultural Organisation (UNESCO) from 2015 to 2017.



PROFESSOR GOPALASAMY REUBEN CLEMENTS

*Associate Dean (Research), School of Medical and Life Sciences
Senior Fellow, Jeffrey Sachs Center on Sustainable Development*

Professor Gopalasamy received his PhD in conservation science from James Cook University and obtained his MSc and BSc in biology from NUS. His research focuses on forest and biodiversity conservation and has published over 60 articles in international journals that include Nature, and his work has been featured in the BBC, New York Times and National Geographic.

He co-founded a local non-profit research organization known as Rimba, which conducts applied research on the conservation of threatened species and ecosystems in Peninsular Malaysia.

He currently leads the 'Kenyer For Life' project, which aims to manage 30,000 ha of forests around Lake Kenyer, which were gazetted as a state park in 2018 in a collaboration involving Rimba and the Terengganu state government. This project also aims to develop 'green financing mechanisms' to enable the state government to generate revenue from intact forests and expand the state park to 100,000 ha.

**DR. CHEN JIT ERN**

*Research Fellow, Jeffrey Sachs Center on Sustainable Development
Senior Lecturer, School of Medical and Life Sciences*

Dr. Chen obtained his PhD in Plant Sciences from University of Cambridge. His primary research interest is in the development and utilization of genetic engineering techniques and molecular tools on various microalgae, to study the underlying mechanisms for physiological traits such as lipid accumulation and heat tolerance.

His previous Post-Doctoral position was in KAUST, Saudi Arabia, studying the potential for increased heat-tolerance in Zooxanthellae (*Symbiodinium microadriaticum*), the photosynthetic coral endosymbiont, native to the Red Sea.

His current project in Sunway University is a continuation of this work, with a particular emphasis on the study of heat-activated Zooxanthellae retrotransposons.

**DR. GOH CHUN SHENG**

*Programme Leader - MSDM & MSDM-ODL,
Jeffrey Sachs Center on Sustainable Development
Associate, Harvard University Asia Center*

Dr. Goh began his career as a researcher at Utrecht University in 2011, focusing on international trade, land-use and carbon impacts of bio-economies. Two notable projects are 'Monitoring of biomass and bioenergy trade flows in the Netherlands' with Netherlands Enterprise Agency (RVO) and 'Large-scale Investments in Food, Fibre, and Energy (LIFFE) Options for the Poor' with Centre of International Forestry Research (CIFOR). In the same period of time, he also managed the operation of IEA Bioenergy Task 40, an international working group consists of 14 member countries with the theme of 'Sustainable international bio-energy trade'.

In 2016-2017, Chun Sheng worked at Agensi Inovasi Malaysia (AIM), responsible for the execution of National Biomass Strategy 2020. He then spent two years in Tokyo as Japan Science Promotion Society (JSPS) postdoctoral fellow at United Nations University – Institute for the Advanced Studies of Sustainability (UNU-IAS) and Japan's National Institute for the Environmental Studies (NIES), followed by a 10-month fellowship at Harvard University Asia Center.

PHD IN SUSTAINABLE DEVELOPMENT (by Research)



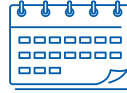
DURATION

Full Time

3 Years (minimum),
6 Years (maximum)

Part Time

4 Years (minimum),
8 Years (maximum)



INTAKES

January, April, July, September

The PhD in Sustainable Development is a full research programme focusing on key areas of sustainable development and themes outlined in the 17 sustainable development goals. The research topics will cover a wide range of complex issues and theories related to sustainable development, from addressing climate change and ecosystems issues to economic progress, social inclusion, sustainable management, public policies, environmental practices and governance.

Students can select any key dimension of sustainable development and undertake in-depth research to develop insights, theories and practical solutions to help advance the sustainability goals.

CAREER PROSPECT



For this PhD programme by Research, students are required to complete:

- Research Methods; and
- Thesis Research



ENTRY REQUIREMENTS

POSTGRADUATE PROGRAMME

PHD IN SUSTAINABLE DEVELOPMENT (by Research)

Candidates should have either one of these qualifications:

Master's Degree

- A Master's Degree in a related field as accepted by the HEP Senate;

Other Qualifications

- Other qualifications equivalent to a Master's degree as accepted by the HEP Senate.

ENGLISH LANGUAGE REQUIREMENTS (for International Applicants):

International candidates should demonstrate English proficiency sufficient to meet the needs of the programme:

IELTS

- 6.0 or equivalent

PROGRAMME STRUCTURE

For this PhD programme by Research, students are required to complete:

- Research Methods; and
- Thesis Research

AREAS OF RESEARCH

- Economics and sustainable development
- Finance and sustainable development
- International economics, finance and investments
- Social progress and social inclusion
- Sustainable infrastructure, transportation and mobility
- Urban sustainability
- Land-use system
- Corporate strategies and operations
- Social entrepreneurship
- Public policy and sustainable development
- Trade and sustainable development
- Solid and hazardous waste management
- Political institutions, group conflicts, and democracy
- Climate change adaptations
- Plants and food system
- Wildlife and forestry
- Environmental and ecological systems
- Mathematical modelling and simulations
- Renewable energy
- Education reform
- Smart technologies
- Sustainable tourism, hospitality and cultural heritage
- Psychology design, industrial design and creative industries
- Bio-economy development
- Land-use system

HOW TO APPLY

Applicants will be required to submit the following documents:

- Sunway University Postgraduate Application Form
- Research statement
The statement should briefly describe the research question that the applicant intends to pursue and the purpose of the research.
- A detailed CV
- Academic qualifications/results (Certificates and complete transcripts – Bachelor or Masters Degree/ Others)
- Two (2) reference letters
- One (1) passport-sized photograph
- English Language Qualification (IELTS/TOEFL/MUET/ others) – for international students
- Scholarship application form (if any)

Documents will be processed once the application is complete.

CONTACT

For more information, please email

Leong Choon Heng at chleong@sunway.edu.my or
Hendry Ng at hendryng@sunway.edu.my

RESEARCH SUPERVISORS' PROFILE



JEFFREY SACHS CENTER
on Sustainable Development
SUNWAY UNIVERSITY, Malaysia

United Nations chosen destination
for Sustainable Development Goals in Asia

Jeffrey Sachs Centre: Sustainable Development Management

PROFESSOR AGAMUTHU PARIATAMBY

- Waste management

DR CHEN JIT ERN

- Climate system
- Marine ecology
- Biodiversity

PROFESSOR FUN WOH PENG

- Corporate sustainability
- Energy systems
- Transportation and mobility
- Decarbonisation

DR GOH CHUN SHENG

- Land-use sustainability
- Agriculture and forestry
- Bio-economy

PROFESSOR GOPALASAMY REUBEN CLEMENTS

- Forestry
- Biodiversity

ASSOC PROF DR HENDRY NG HAN SWEE

- Information technology
- Supply chain
- Complexity science
- Business modelling
- Design thinking

PROFESSOR KOH HOCK LYE

- Water resources
- Disaster management
- Modelling

PROFESSOR LEONG CHOON HENG

- Sustainable communities
- Social inclusion
- Education for sustainable development

PROFESSOR LEONG YUEN YOONG

- Sustainability mindset and leadership
- Hydrogen economy
- Corporate governance

PROFESSOR SHANDRE MUGAN THANGAVELU

- Trade
- Sustainable development
- Global production value chain
- Human capital development

PROFESSOR WONG CHIN HUAT

- Political science
- Electoral system
- Party system

PROFESSOR WOO WING THYE

- Green finance
- Economics of decarbonisation
- Sustainable economic development
- Macroeconomics policies

PROFESSOR YEAH KIM LENG

- Resource economics
- Financial markets

BURSARY & SCHOLARSHIP



SUNWAY UNIVERSITY TAUGHT MASTERS SCHOLARSHIP

ELIGIBILITY CRITERIA

Applicants are expected to meet the following criteria:

1. Bachelor Degree programme CGPA 3.50 and above
2. Applicable for 2022 intakes with Academic Certificate validity of year 2020 onwards.

SCHOLARSHIP VALUE

- 50% tuition fee

APPLICATION DEADLINES

1 week after commencement of programme.
Student can only be entitled for 1 scholarship or bursary at a time whichever is higher.

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.

| 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.

APPLICATION PROCEDURE

1. Applications for support should be made by completing the Postgraduate Research Scholarship Application Form upon application for admission to a PGR programme.
2. The application form is to be submitted to the School for Head of Department recommendation and Dean support.
3. School's recommendation for PGR Scholarships shall be considered by the Provost. The decision of the Provost, which shall be final.
4. Applicants will be notified of the outcome of their application by the Provost Office.

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