UNIVERSITI MALAYA

INSTITUT PENGAJIAN TERMAJU
Institute for Advanced Studies

https://ias.um.edu.my

HANDBOOK
POSTGRADUATE
2024/2025 ACADEMIC SESSION

TABLE OF
Contents

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CORE
Values

P — PASSION
O — ONENESS
I — INTEGRITY
S — SINCERITY
E — EMPATHY

Vission

A global university impacting the world

Mission

Pushing the boundaries of knowledge and nurturing aspiring leaders

INSTITUTE FOR ADVANCED STUDIES
A Brief History

1979
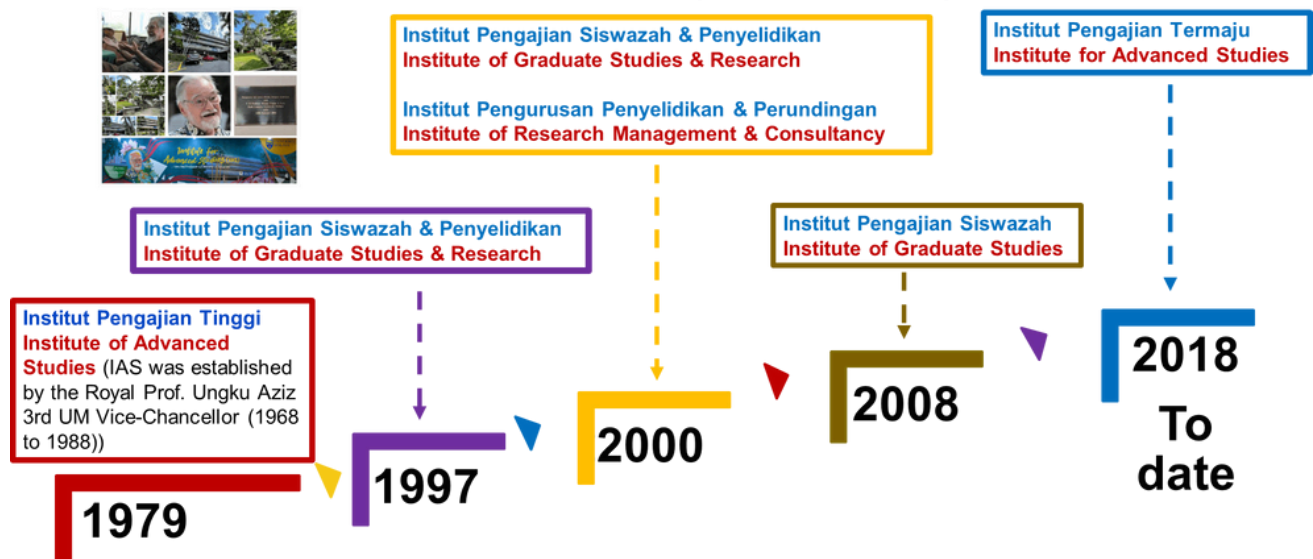*Institute Postgraduate Studies (IPS) was established*

2018
IPS has been decentralised and Institute for Advanced Studies (IAS) was established to lead new function

2023 onwards
To become central body promoting active cultivation and dissemination of multidisciplinary knowledge in the sciences and the social science areas

IAS in Brief I The Evolution (1979-2022)

Institut Pengajian Siswazah & Penyelidikan
Institute of Graduate Studies & Research

Institut Pengurusan Penyelidikan & Perundingan
Institute of Research Management & Consultancy

Institut Pengajian Termaju
Institute for Advanced Studies

Institut Pengajian Siswazah & Penyelidikan
Institute of Graduate Studies & Research

Institut Pengajian Siswazah
Institute of Graduate Studies

Institut Pengajian Tinggi
Institute of Advanced Studies (IAS was established by the Royal Prof. Ungku Aziz 3rd UM Vice-Chancellor (1968 to 1988))

1979

1997

2000

2008

2018
To date

DEAN'S
Messages

It gives me great pleasure to welcome you to the Institute for Advanced Studies (IAS), the hub of Universiti Malaya's multidisciplinary academic and research programmes.
As the Dean of the Institute, I am privileged to have the opportunity to guide and support you throughout your postgraduate journey. At IAS, we are committed to advancing research that aligns with the university's strategic priorities while fostering multidisciplinary collaboration across key fields in the sciences, social sciences, and humanities. IAS offers opportunities for individuals to pursue stackable credentials that can lead to the completion of an interdisciplinary Master's degree program. The Institute is particularly committed to supporting the development of early career researchers—tomorrow's leading professors and laureates. We place strong emphasis on cultivating a nurturing, intellectually stimulating environment that encourages collaboration, critical thinking, and innovation.
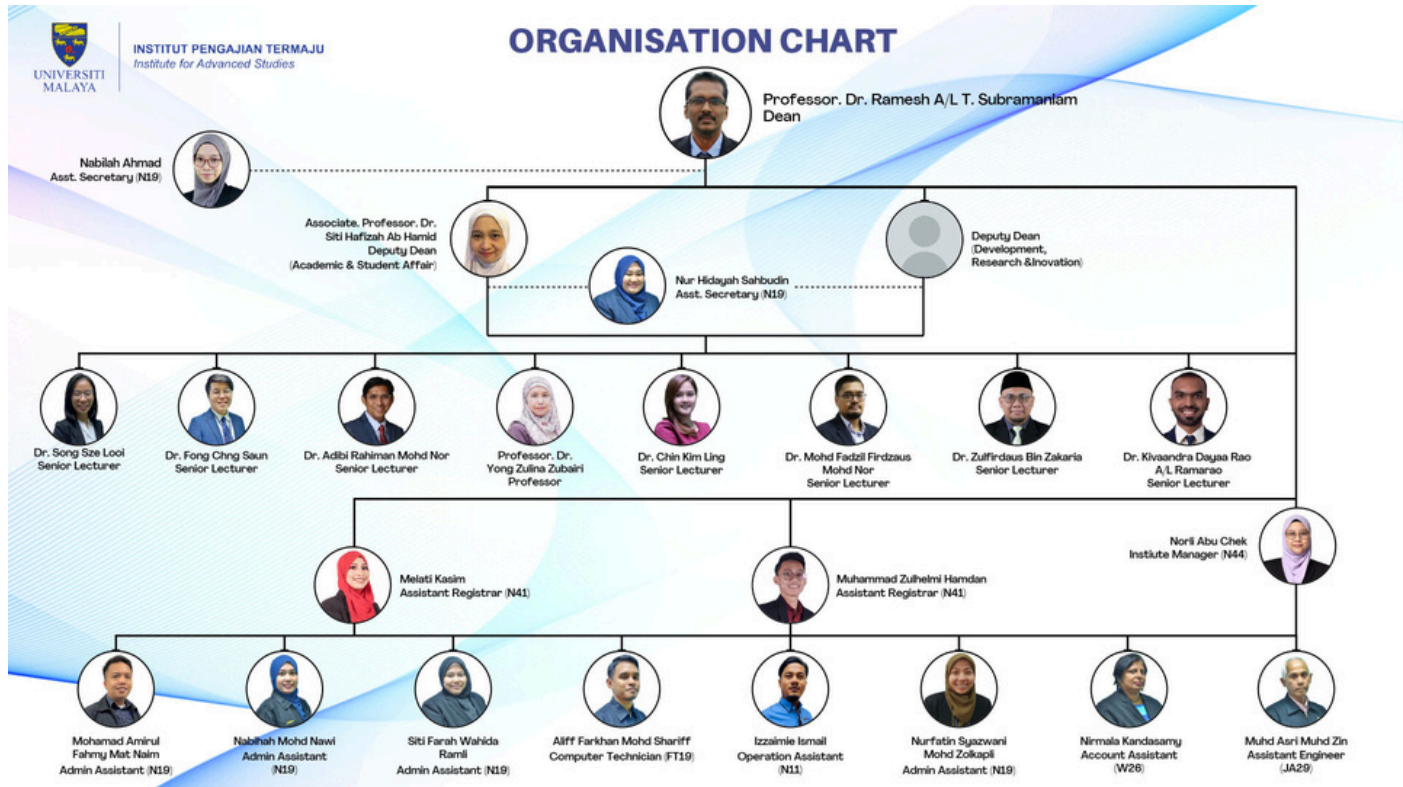
The Institute incorporates national emeriti and international visiting scientists and scholars into the university's academic community. As a student of IAS, you would have the opportunity to work with academics, administrative personnel, and other students who are enthusiastic, perceptive, and optimistic about achieving the institute's vision, mission, and goals. We encourage you to make the most of the wealth of knowledge and expertise offered by our scientists and scholars. Get involved in interdisciplinary discussions, connect with peers, and actively engage in research activities. We look forward to seeing you as part of our community—driven by your curiosity and passion—making meaningful contributions to sustainable socio-economic and environmental development.

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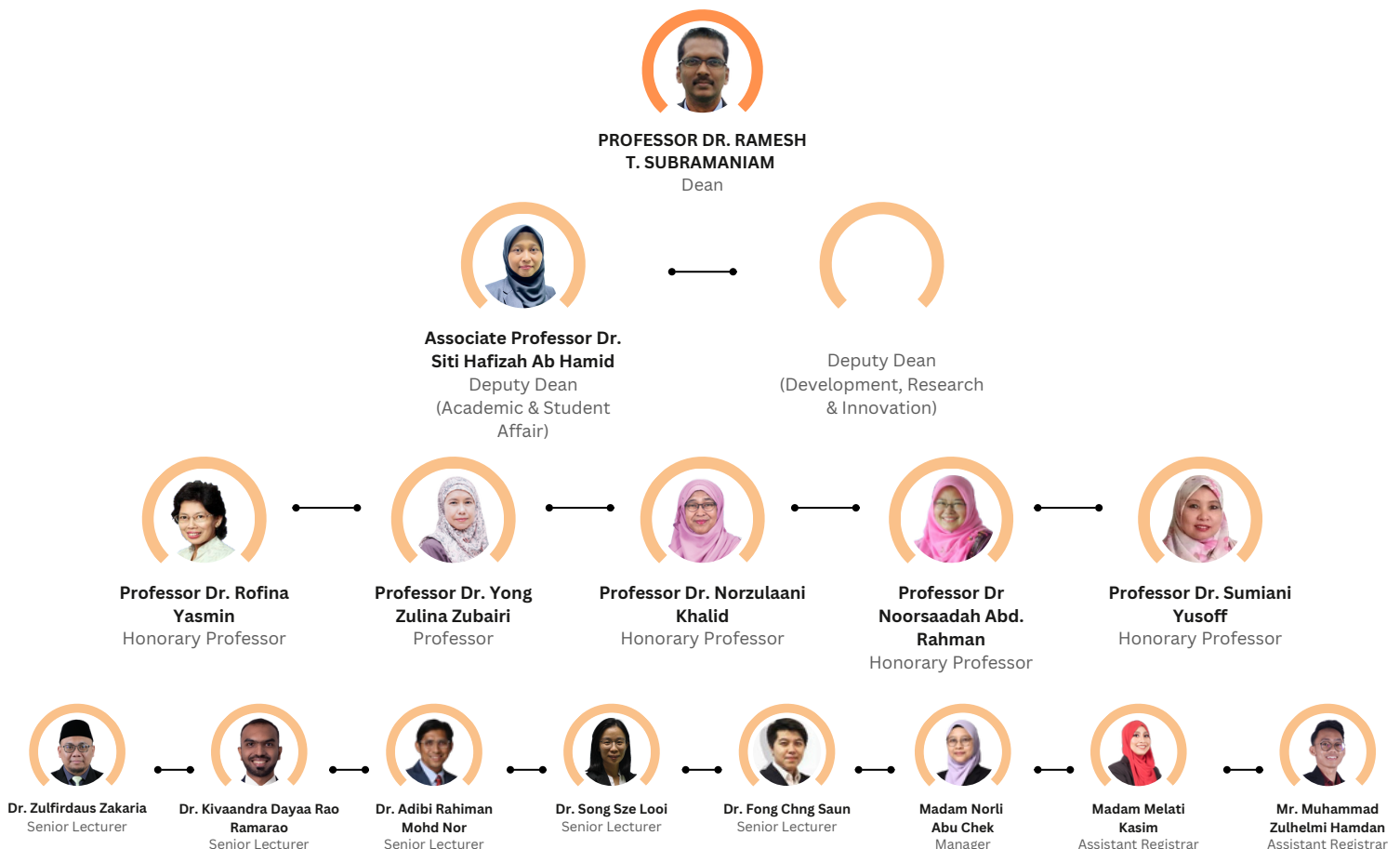
As you navigate your postgraduate journey, I urge you to embrace the values of integrity, professionalism, and continuous learning. Be proactive in seeking guidance from your supervisors, building networks with fellow researchers, and utilizing the available resources to enhance your research outcomes and personal growth. I wish you every success in your postgraduate studies and hope that this handbook will serve as a valuable companion throughout your academic and research endeavors. Remember, your contributions and discoveries have the potential to make a significant impact on society and contribute to the advancement of knowledge in your field.

Once again, welcome to our community of scholars, and I look forward to witnessing your growth and achievements as you make a lasting mark in your chosen field of study.
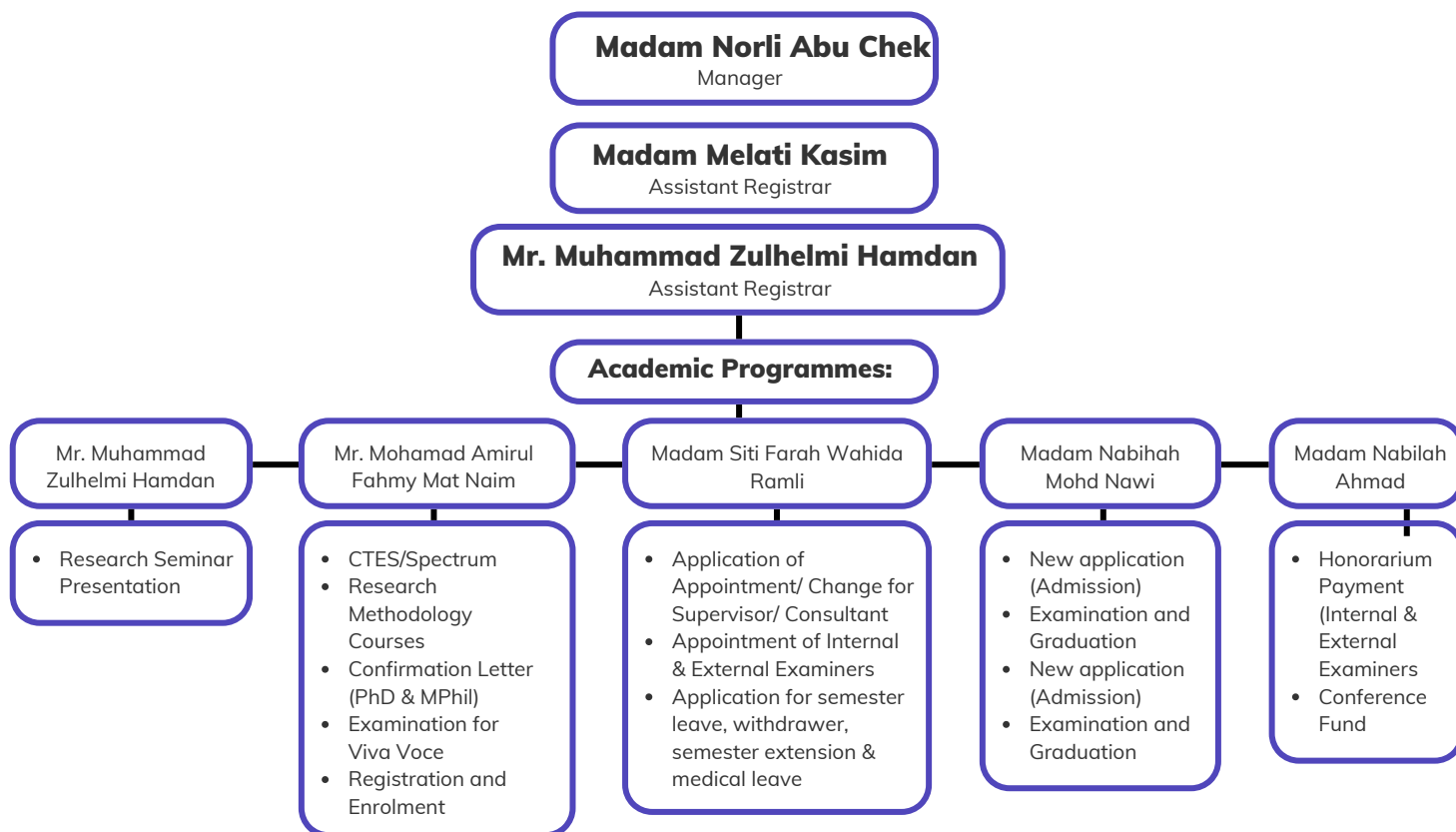
ORGANISATION
Chart

ORGANISATION CHART

INSTITUT PENGAJIAN TERMAJU
Institute for Advanced Studies

UNIVERSITI MALAYA

Professor. Dr. Ramesh A/L T. Subramaniam
Dean

Nabilah Ahmad
Asst. Secretary (N19)

Associate. Professor. Dr. Siti Hafizah Ab Hamid
Deputy Dean
(Academic & Student Affair)

Nur Hidayah Sahbudin
Asst. Secretary (N19)

Deputy Dean
(Development, Research & Inovation)

Dr. Song Sze Looi
Senior Lecturer

Dr. Fong Chng Saun
Senior Lecturer

Dr. Adibi Rahiman Mohd Nor
Senior Lecturer

Professor. Dr. Yong Zulina Zubairi
Professor

Dr. Chin Kim Ling
Senior Lecturer

Dr. Mohd Fadzil Firdzaus Mohd Nor
Senior Lecturer

Dr. Zulfirdaus Bin Zakaria
Senior Lecturer

Dr. Kivaandra Dayaa Rao A/L Ramarao
Senior Lecturer

Melati Kasim
Assistant Registrar (N41)

Muhammad Zulhelmi Hamdan
Assistant Registrar (N41)

Norli Abu Chek
Institute Manager (N44)

Mohamad Amirul Fahmy Mat Naim
Admin Assistant (N19)

Nabihah Mohd Nawi
Admin Assistant (N19)

Siti Farah Wahida Ramli
Admin Assistant (N19)

Aliff Farkhan Mohd Shariff
Computer Technician (FT19)

Izzaimie Ismail
Operation Assistant (N11)

Nurfatin Syazwani Mohd Zolkapli
Admin Assistant (N19)

Nirmala Kandasamy
Account Assistant (W26)

Muhd Asri Muhd Zin
Assistant Engineer (JA29)

MANAGEMENT *Team's*

PROFESSOR DR. RAMESH T. SUBRAMANIAM
Dean

Associate Professor Dr. Siti Hafizah Ab Hamid
Deputy Dean
(Academic & Student Affair)

Deputy Dean
(Development, Research & Innovation)

Professor Dr. Rofina Yasmin
Honorary Professor

Professor Dr. Yong Zulina Zubairi
Professor

Professor Dr. Norzulaani Khalid
Honorary Professor

Professor Dr Noorsaadah Abd. Rahman
Honorary Professor

Professor Dr. Sumiani Yusoff
Honorary Professor

Dr. Zulfirdaus Zakaria
Senior Lecturer

Dr. Kivaandra Dayaa Rao Ramarao
Senior Lecturer

Dr. Adibi Rahiman Mohd Nor
Senior Lecturer

Dr. Song Sze Looi
Senior Lecturer

Dr. Fong Chng Saun
Senior Lecturer

Madam Norli Abu Chek
Manager

Madam Melati Kasim
Assistant Registrar

Mr. Muhammad Zulhelmi Hamdan
Assistant Registrar

ACEDEMIC
Section Office

Madam Norli Abu Chek
Manager

Madam Melati Kasim
Assistant Registrar

Mr. Muhammad Zulhelmi Hamdan
Assistant Registrar

Academic Programmes:

Mr. Muhammad Zulhelmi Hamdan	Mr. Mohamad Amirul Fahmy Mat Naim	Madam Siti Farah Wahida Ramli	Madam Nabihah Mohd Nawi	Madam Nabilah Ahmad

- Research Seminar Presentation

- CTES/Spectrum
- Research Methodology Courses
- Confirmation Letter (PhD & MPhil)
- Examination for Viva Voce
- Registration and Enrolment

- Application of Appointment/ Change for Supervisor/ Consultant
- Appointment of Internal & External Examiners
- Application for semester leave, withdrawer, semester extension & medical leave

- New application (Admission)
- Examination and Graduation
- New application (Admission)
- Examination and Graduation

- Honorarium Payment (Internal & External Examiners
- Conference Fund

ACADEMIC SECTION
And Directory

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(Dean's Office)

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(Operation)

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(Marketing / Website)

INSTITUTE FOR ADVANCED STUDIES
Overview

VISION

Our vision is for IAS to be the central body promoting active cultivation and dissemination of multidisciplinary knowledge in the sciences and the social science areas

Background

Institute for Advanced Studies (IAS) is Malaysia's first postgraduate and advanced research institution within a university providing facilities for multidisciplinary studies. Since its inception in 1979, the IAS has been offering an extensive range of graduate research opportunities. Currently, with around 517 postgraduate students, the number of postgraduate candidates has been increasing significantly over the years. IAS is highly recognized for conducting leading edge research in key areas of sciences, social sciences and humanities. IAS proudly upholds the traditions and standards of excellence in teaching and research by providing effective and efficient student services, opportunities and a platform for the sharing & shaping of ideas. Candidates will be trained and supervised by distinguished local and expatriate scholars from various faculties and research centres, who are instrumental in founding new research niche areas. IAS is currently offering multidisciplinary postgraduate programmes (by research) and niche area programmes jointly coordinated by the Higher Education Center of Excellence (HICOE) and UniversitI Malaya Centre of Excellence (UMCoE).

https://ias.um.edu.my

INSTITUTE FOR ADVANCED STUDIES
CORE FUNCTION

01

MULTIDISCIPLINARY PROGRAMMES
Develop, offer and manage multidisciplinary and/or interdisciplinary programmes in co-operation with other Academic RCs.

RESEARCH-BASED SOLUTION
Develop, offer and manage research training programmes leading to certification

02

03

PARTNERSHIP
Establish international collaborations through multidisciplinary cooperative programmes.

CENTRE OF EXCELLENCE
Develop, offer and manage academic programmes for the Universiti Malaya Centres of Excellence (CoE)

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UNIVERSITI MALAYA CAMPUS MAP

UNIVERSITY OF MALAYA

CAMPUS MAP

Legend:
- CHANCELLERY ZONE
- RIMBA ILMU ZONE
- LIBRARY ZONE
- FACULTY/ INSTITUTE/ CENTRE
- RESIDENTIAL COLLEGES
- FACILITIES/ ADMINISTRATION

Map labels: JALAN ELMU GATE, Tadika UM, Economics & Administration, Education, 9th College, SEC 16 GATE, Business & Accountancy, Arts & Social Sciences, UM Specialist Centre, Museum of Asian Art, Centre for Civilisational Dialogue, Main Library, Geology, 3rd College, 4th College, Languages & Linguistics, 7th College, UNIVERSITY ROAD, PJ GATE, PERSIARAN AKAL, LINGKUNGAN BUDI, PERSIARAN ELMU, LENGKOK CENDERA, PERSIARAN BERNAS, Science, ICT Services (PTM), Engineering, Kompleks Perdanasiswa/ ISC, Museum of Zoology, Malay Studies, LINGKARAN WAWASAN, 8th College, 10th College, Bulit Environment, 2nd College, UM LAKE, Dewan Tunku Canselor (DTC), High Impact Research (HIR), Computer Science & Information Technology, PERSIARAN GAGASAN, Security Office/ Cultural Centre, Dentistry, Medical, 6th College, Examination Building, Chancellery, UM Press, RIMBA ILMU (Botanical Garden), Islamic Studies, ROTU Training Site, 1st College, UM Sports Ground, Centre for Foundation Science (PASUM), Rimba Ilmu, Law, Ambang Asuhan Jepun, Kong-Zi, Graduate Studies, 5th College, Swimming Pool, Sports Centre, UM Arena, LINGKUNGAN BUDI, UM Medical Centre, Research Management & Innovation Complex, Asia-Europe, LINGKARAN WAWASAN, SUSUR DAMANSARA, 12th College, 11th College, Reserve Office Training Unit (ROTU), Department of Development and Asset Maintenance (JPPHB), KL GATE, DAMANSARA GATE, PANTAI BARU ROAD, SPRINT HIGHWAY

HIGHER INSTITUTION CENTRE OF EXECELLENCE (HICOE)

In support of the third thrust of the National Higher Education Strategic Plan (NHESP) and moving towards gearing up the level of the country's research and development (R&D) and innovation, the Ministry of Higher Education (MoHE) finds that there is a need to recognise the potential centres of excellence (CoEs) in Higher Education Institutions (HEIs) in order to further leap them towards internationalisation. The recognition of HICoE by MOHE is to identify the best of the best CoE in HEIs at the national level.

The first evaluation exercise of HICoE was undertaken in 2008. From 142 applications, 6 CoEs in 5 public HEIs have met the stringent requirements. With the approval of the Cabinet, on the recommendation of MoHE, the approved CoEs were formally designated to be HICoE on 30th October 2009. The efforts of identifying and acknowledging the achievement of CoEs in HEIs will encourage them to work towards becoming a global leader in their research niche areas. Thus, HICoE will be supported and facilitated by MoHE so that they will become the focused vehicles that will drive the R&D and innovation agenda, particularly in fundamental research, as well as contributing to human capital development.

01   **Universiti Malaya Power Energy Dedicated Advanced Centre (UMPEDAC)**

02   **Institute of Ocean and Earth Sciences (IOES)**

03   **Photonic Research Centre Universiti Malaya (PRCUM)**

04   **Tropical Infectious Research and Education Centre (TIDREC)**

05   **Centre for Research inBiotechnology for Agriculture (CEBAR)**

06   **Nanotechnology and Catalysis Research Centre (NANOCAT)**
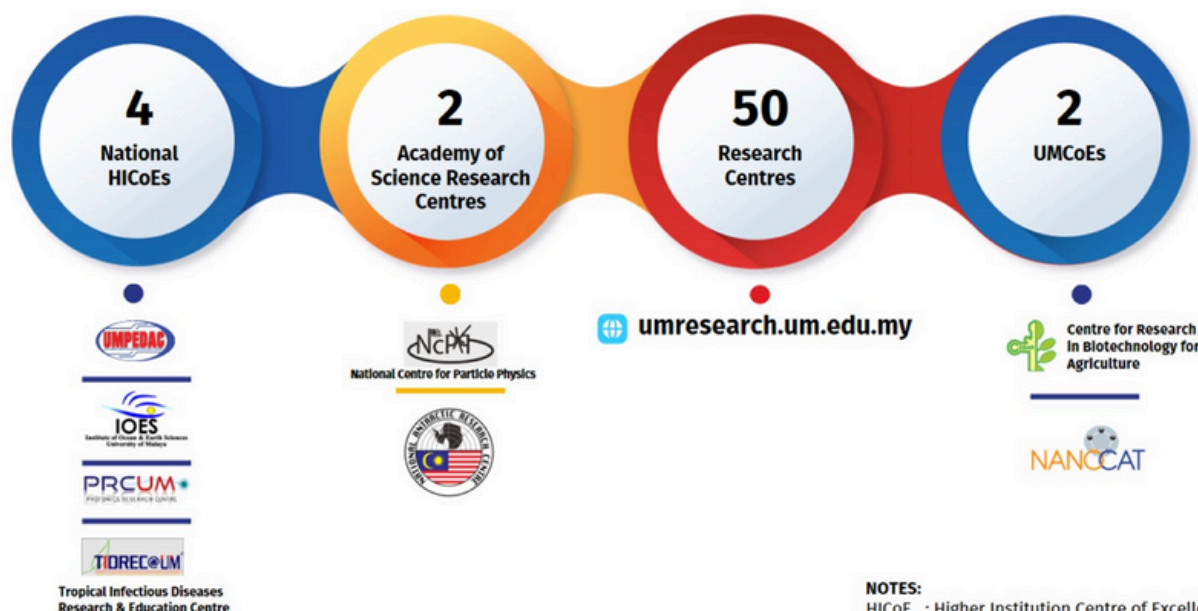
NOTES:
HICoE : Higher Institution Centre of Excellence
UMCoE : Universiti Malaya Centre of Excellence

CEO *Director*

Teaching staff is of central importance at our faculty. Under the leadership of our CoE Directors, would ensure quality higher education rests upon academic staff's knowledge, skills, competencies, abilities, attitudes, and work ethics, irrespective of status ranging from a lecturer, senior lecturer, associate professor, professor to a distinguished professor. As a result, we have high quality and well-motivated academicians, together with a supportive intellectual, innovative and professional culture.

Professor. Ir. Dr. Nasrudin Abd. Rahim
UM Power Energy Dedicated Advanced Centre (UMPEDAC)

Professor. Dr. Lim Phaik Eem
Institute of Ocean and Earth Sciences (IOES)

Datuk Distinguished Professor Dr. Harith Bin Ahmad
Photonics Research Centre

Professor Dr. Sazaly Abu Bakar
Tropical Infectious Diseases Research & Education Centre (TIDREC)

Professor. Dr. Jennifer Ann Harikrishna
Centre for Research in Biotechnology for Agriculture (CEBAR)

Professor. Dr. Mohd Rafie Bin Johan
Nanotechnology & Catalysis Research Centre (NANOCAT)

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Student Enrolment

Our academic programmes are globally recognised and accredited. We offer multidisciplinary and niche area programmes jointly coordinated by the Higher Education Center of Excellence (HICoE) and the University of Malaya Centre of Excellence (UMCoE).

CURRENT
Student Enrolment
Session 2023/2024 (Semester 1&2)

Nanotechnology 0.7%

MRE 12%

MPhil 27.7%

PhD 59.6%
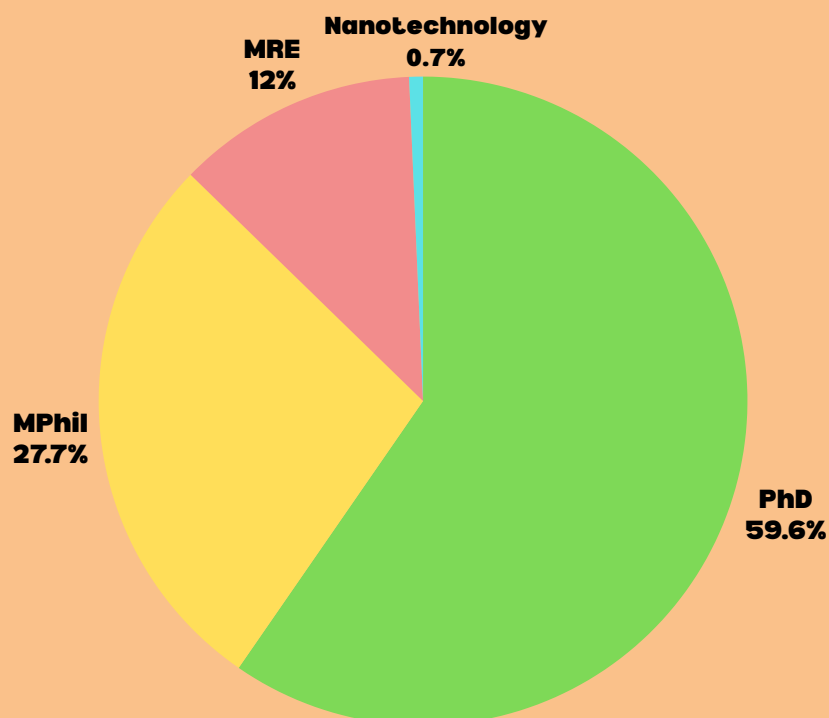
Number of Completion
(GRADUATES)

Legend: MPHil (yellow), PhD (green), MRE (red)
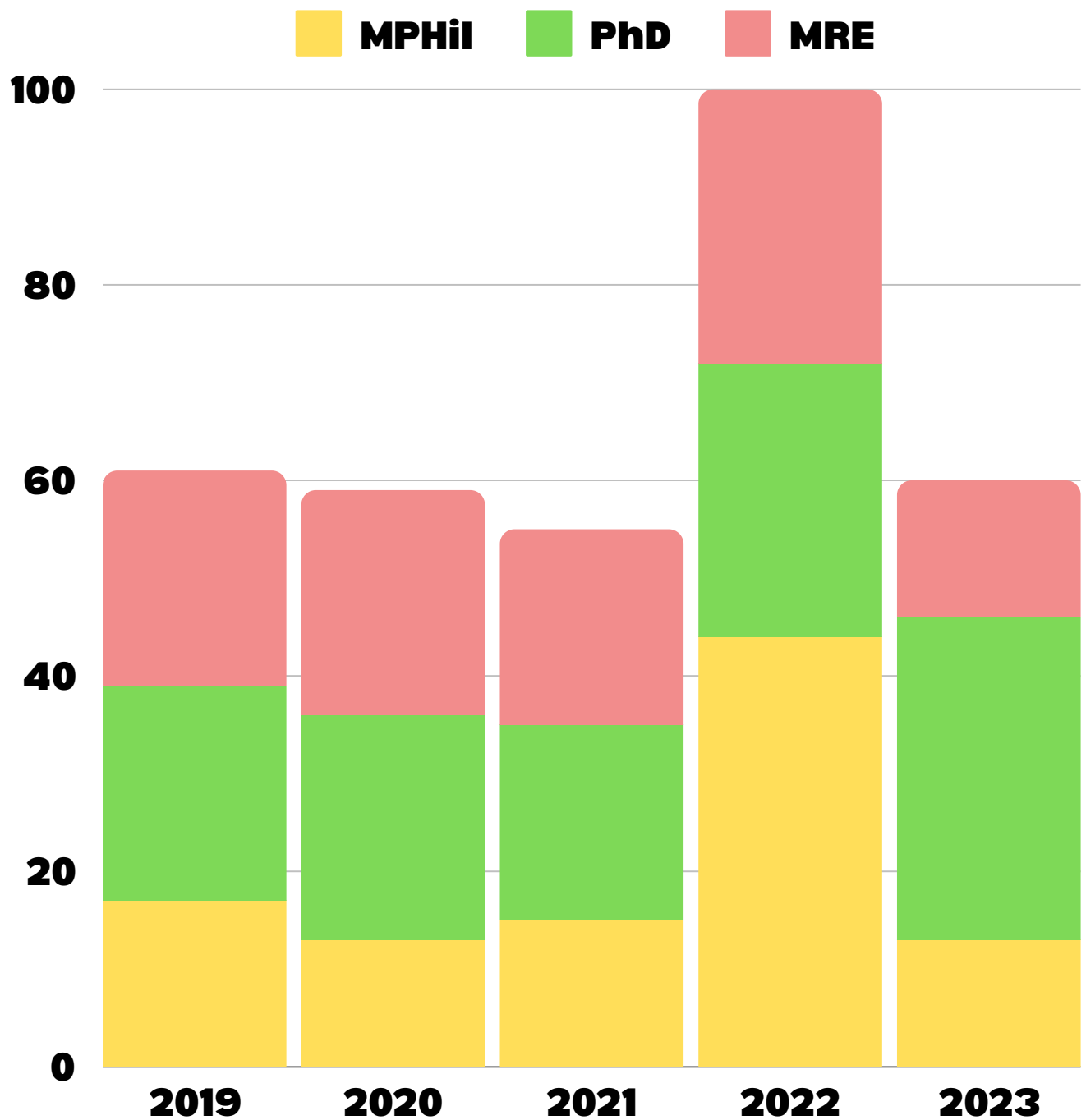
2019: 39
2020: 36
2021: 32
2022: 72
2023: 60

ACADEMIC
CALENDAR

2024/2025

ACADEMIC CALENDAR
2024/2025 ACADEMIC SESSION
(MASTER'S AND DOCTORATE LEVEL)

SEMESTER I					
Orientation Week			29.09.2024	-	06.10.2024
Lectures	7	weeks*	07.10.2024	-	24.11.2024
Mid Semester I Break	1	week	25.11.2024	-	01.12.2024
Lectures	7	weeks*	02.12.2024	-	19.01.2025
Revision Week	1	week*	20.01.2025	-	26.01.2025
Semester I Final Examination	3	weeks*	27.01.2025	-	16.02.2025
Semester I Break	4	weeks	17.02.2025	-	16.03.2025
	23	weeks			
SEMESTER II					
Lectures	7	weeks*	17.03.2025	-	04.05.2025
Mid Semester II Break	1	week	05.05.2025	-	11.05.2025
Lectures	7	weeks*	12.05.2025	-	29.06.2025
Revision Week	1	week*	30.06.2025	-	06.07.2025
Semester II Final Examination	3	weeks*	07.07.2025	-	27.07.2025
Semester II Break	4	weeks	28.07.2025	-	24.08.2025
	23	weeks			
SPECIAL SEMESTER					
Lectures	7	weeks*	28.07.2025	-	14.09.2025
Special Semester Final Examination	1	week*	15.09.2025	-	21.09.2025
Break	1	week	22.09.2025		28.09.2025
	9	weeks			

Note:

(*) The Academic Calendar has taken into account public and festive holidays and is subject to change:

Deepavali	31 October 2024 (Thursday)
Christmas Day	25 December 2024 (Wednesday)
New Year	01 January 2025 (Wednesday)
Chinese New Year	29 & 30 January 2025 (Wednesday & Thursday)
Federal Territory Day	01 February 2025 ((Saturday)
Thaipusam	11 February 2025 (Tuesday)
Nuzul Al-Quran	17 March 2025 (Monday)
Eidul Fitri	31 March & 01 April 2025 (Monday & Tuesday)
Wesak Day	12 May 2025 (Monday)
His Majesty the King's Birthday	02 June 2025 (Monday)
Eidul Adha	06 June 2025 (Friday)
Awal Muharam	27 June 2025 (Friday)

Senate Approval Date: 24.01.2024

ACADEMIC
PROGRAMME
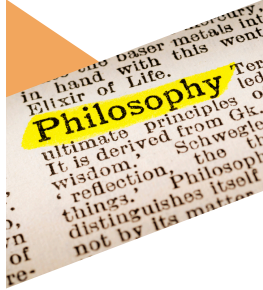
Research

- Doctor of Philosophy (PhD)
- Master of Philosophy (MPhil)

Coursework

- Master of Renewable Energy
- Master of Biosecurity
- Master of Advanced Studies

Mixed Mode

- Master of Applied Sciences (Nanotechnology)

Academic Programme (RESEARCH)

DOCTOR OF PHILOSOPHY (PHD)

PhD programme is a multidisciplinary doctorate degree for candidates who wish to carry out broader horizons in their research areas. The benefits will include the production of knowledge through innovative scholars and the creation of working networks across disciplines and departments throughout the university.

By teaming up with complementary research groups, individuals can combine their collective expertise and gain synergy. These results increased the chances of original (high-impact) research and the potential to get more output with less work.

By nature, multidisciplinary doctorate degrees cover many academic areas, providing candidates with solid academic foundations for multiple careers.

"Pursuing a PhD at IAS is a decision to pursue a PhD with impact and to become an inspiring researcher committed to improving life"

GENERAL ENTRY REQUIREMENT

Applicants should possess one of following:
- Master's degree or its equivalent in relevant discipline/field, or
- Any other qualifications approved by the Senate (except for conversion from Master's to Doctorate programme)

ENGLISH LANGUAGE REQUIREMENT

- Band 5.5 ≥ IELTS Academic; or
- Score 550 (PBT) / 213 (CBT) / 46 (IBT- centre based) in TOEFL; or
- Band 4 ≥ MUET; or
- Score 51 ≥ PTE Academic; or
- Grade C ≥ English Language in A Level, Univ. of Cambridge; or
- Grade C ≥ Cambridge Assessment English: First (FCE); or
- Grade C ≥ Cambridge Assessment English: First CAE; or
- Grade C ≥ Cambridge Assessment English: First (CPE)

PROGRAMME STRUCTURE

Duration

- Minimum: 4 Semesters
- Maximum: 12 Semesters

Course Structure

- The PhD degree is offered by research mode only leading to the submission of a thesis.
- Candidates are required to take **Advanced Research Methodology course (3 credit hours)** in the first year of study.

FEES STRUCTURE

Full Time
- Local - RM28, 000
- International - RM65, 200

PROGRAMME LEARNING OUTCOME (PLO) *(PhD Candidates)*

PLO 1 : Synthesize and contribute knowledge in their respective field of research.
PLO 2 : Adapt practical skills and appropriate research methods towards innovative research.
PLO 3 : Disseminate the importance and implications of research in national and international context.
PLO 4 : Conduct independent research and adhere to legal, ethical and / or code of professional practice.
PLO 5 : Demonstrate leadership quality through effective communication and collaboration among researchers and stakeholders.
PLO 6 : Address research issues using critical thinking, problem solving and / or appropriate scientific skills.
PLO 7 : Integrate information for lifelong learning.

SEMINAR PRESENTATION GUIDELINES *(PhD Candidates)*

The conduct of a candidature seminar refers to the periodic monitoring process of a candidate's research progress (for example, through progress reports or presentation of research proposals) to evaluate knowledge, critical thinking, practical, technical, professional, scientific, and problem-solving skills. The candidate's evaluation process is through a Panel of Assessors appointed by the Responsibility Centre (RC).

The candidature seminar consists of the following:
(a) Proposal Defence
(b) Confirmation Defence
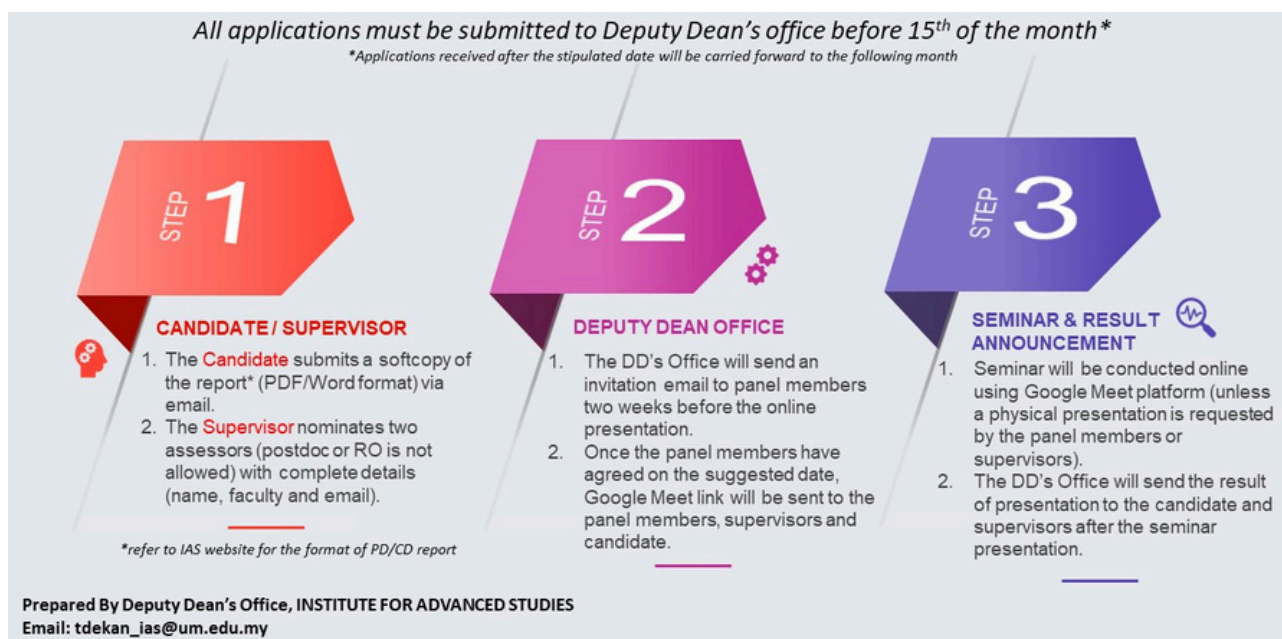(c) Candidature Defence
(d) Thesis Seminar

The Head of the RC is responsible for ensuring that this procedure is followed during the conduct of the candidature seminar.
Anyone involved in the conduct of the candidature seminar must adhere to this procedure.

APPLICATION FOR THESIS SEMINAR PRESENTATION *(PhD Candidates)*

Prepared By Deputy Dean's Office, INSTITUTE FOR ADVANCED STUDIES
Email: tdekan_ias@um.edu.my
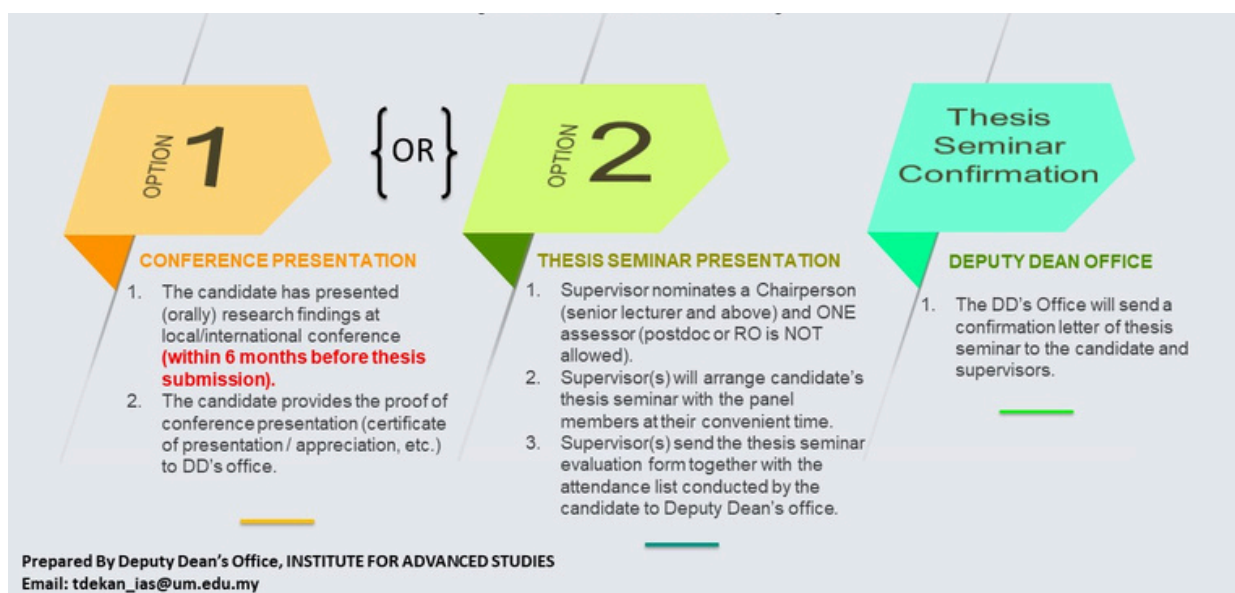
APPLICATION FOR PROPOSAL/ CONFIRMATION/ CANDIDATURE DEFENCE *(PhD Candidates)*

All applications must be submitted to Deputy Dean's office before 15th of the month*
*Applications received after the stipulated date will be carried forward to the following month

STEP 1

CANDIDATE / SUPERVISOR
1. The Candidate submits a softcopy of the report* (PDF/Word format) via email.
2. The Supervisor nominates two assessors (postdoc or RO is not allowed) with complete details (name, faculty and email).

*refer to IAS website for the format of PD/CD report

STEP 2

DEPUTY DEAN OFFICE
1. The DD's Office will send an invitation email to panel members two weeks before the online presentation.
2. Once the panel members have agreed on the suggested date, Google Meet link will be sent to the panel members, supervisors and candidate.

STEP 3

SEMINAR & RESULT ANNOUNCEMENT
1. Seminar will be conducted online using Google Meet platform (unless a physical presentation is requested by the panel members or supervisors).
2. The DD's Office will send the result of presentation to the candidate and supervisors after the seminar presentation.

Prepared By Deputy Dean's Office, INSTITUTE FOR ADVANCED STUDIES
Email: tdekan_ias@um.edu.my

SUBMISSION

Other related documents:

https://ias.um.edu.my/downloadable-form -> Thesis Submission / Examination
1. Thesis Submission Form
2. Final Thesis Submission Form
3. Thesis or Dissertation Correction Report Form
4. Repository Form
5. APA Guidelines (UM Library)
6. IAS Declaration Form 2020 List Publication PhD Accepted
7. Guidelines for Publication in Fulfilment of Graduation Requirement for Postgraduate Candidates

GRADUATE ON TIME (GOT) *(PhD Candidates)*
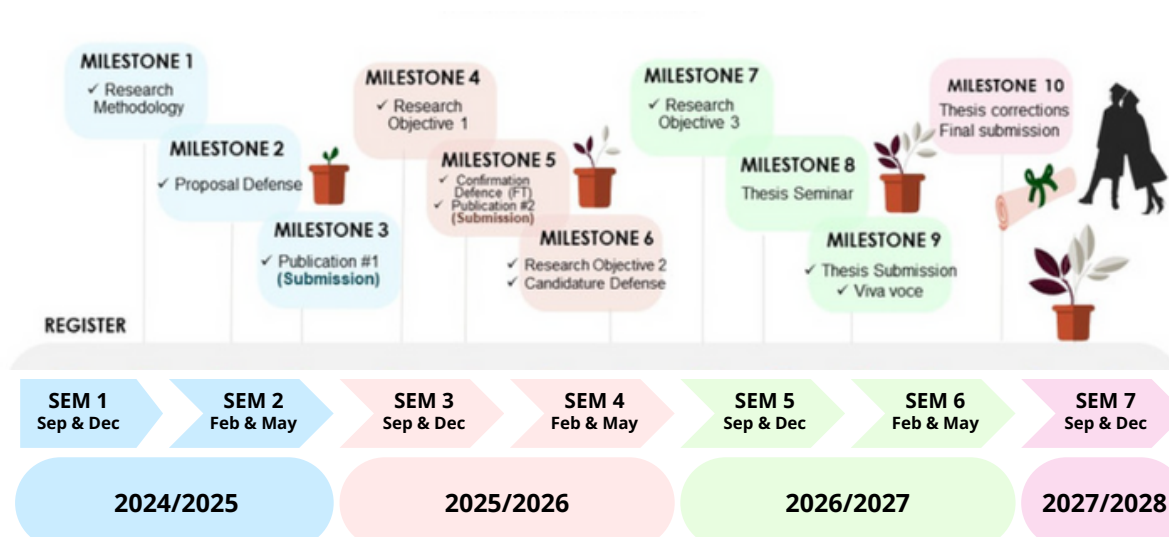
MASTER OF PHILOSOPHY (MPHIL)

The Master of Philosophy (MPhil) is conducted purely based on individual supervised research and the candidates will carry out research in their areas of specialization. In most fields, the Master is considered the pinnacle of academic achievement, and the Master of Philosophy is a testament to the candidate's academic excellence and ability.

The candidates will have a chance to pursue their dreams in key areas of sciences, social sciences and humanities. The MPhil research approach is based on tools of different sciences (i.e., systematic organization of knowledge) and disciplines which are utilized to explain the issue under study, as a means to bridge gaps in problem-solving that result from disciplinary specialization

GENERAL ENTRY REQUIREMENT

- Bachelor's Degree or equivalent in the related field with minimum CGPA of 3.00 or its equivalent; or
- Other qualifications approved by the University Senate.

ENGLISH LANGUAGE REQUIREMENT

- Band 5.5 ≥ IELTS Academic; or
- Score 550 (PBT) / 213 (CBT) / 46 (IBT- centre based) in TOEFL; or
- Band 4 ≥ MUET; or
- Score 51 ≥ PTE Academic; or
- Grade C ≥ English Language in A Level, Univ. of Cambridge; or
- Grade C ≥ Cambridge Assessment English: First (FCE); or
- Grade C ≥ Cambridge Assessment English: First CAE; or
- Grade C ≥ Cambridge Assessment English: First (CPE)

PROGRAMME STRUCTURE

Duration

- Minimum: 2 Semesters
- Maximum: 8 Semesters

Course Structure

- The Master of Philosophy Programme leads to the submission of a thesis.
- Candidates are required to take **Research Methodology course (3 credit hours)** in the first year of study.

FEES STRUCTURE

Full Time
- Local - RM17, 600
- International - RM32, 700

PROGRAMME LEARNING OUTCOME (PLO) *(MPhil Candidates)*

PLO 1 : Demonstrate a systematic understanding of knowledge by identifying problems and insights of the study in the field of research conducted.
PLO 2 : Apply appropriate research methodology and design.
PLO 3 : Publish knowledge in the field of research conducted to benefit the community, as well as sensitive to the role and responsibility of supporting needs of informed society.
PLO 4 : Conduct research with minimal supervision and adhere to legal, ethical and code of professional practice.
PLO 5 : Communicate research findings effectively, orally and in writing, to audiences and scientific publication in their respective fields of research.
PLO 6 : Evaluate research findings using scientific methods and critical thinking skills.
PLO 7 : Engage in information management and continuous learning activities.

SEMINAR PRESENTATION GUIDELINES *(MPhil Candidates)*

The conduct of a candidature seminar refers to the periodic monitoring process of a candidate's research progress (for example, through progress reports or presentation of research proposals) to evaluate knowledge, critical thinking, practical, technical, professional, scientific, and problem-solving skills. The candidate's evaluation process is through a Panel of Assessors appointed by the Responsibility Centre (RC).

The candidature seminar consists of the following:
(a) Proposal Defence
(b) Confirmation Defence
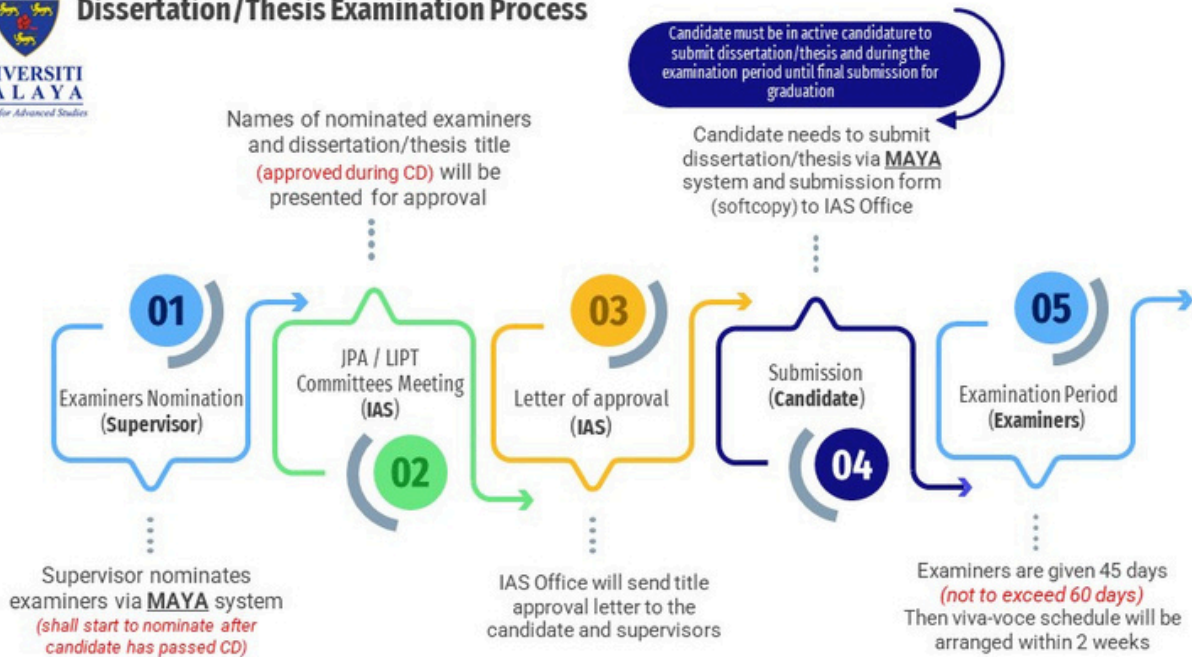(c) Candidature Defence
(d) Thesis Seminar

The Head of the RC is responsible for ensuring that this procedure is followed during the conduct of the candidature seminar.
Anyone involved in the conduct of the candidature seminar must adhere to this procedure.

APPLICATION FOR PROPOSAL/ CONFIRMATION/ CANDIDATURE DEFENCE *(MPhil Candidates)*

All applications must be submitted to Deputy Dean's office before 15th of the month*
*Applications received after the stipulated date will be carried forward to the following month

STEP 1

CANDIDATE / SUPERVISOR
1. The Candidate submits a softcopy of the report* (PDF/Word format) via email.
2. The Supervisor nominates two assessors (postdoc or RO is not allowed) with complete details (name, faculty and email).

*refer to IAS website for the format of PD/CD report

STEP 2

DEPUTY DEAN OFFICE
1. The DD's Office will send an invitation email to panel members two weeks before the online presentation.
2. Once the panel members have agreed on the suggested date, Google Meet link will be sent to the panel members, supervisors and candidate.

STEP 3

SEMINAR & RESULT ANNOUNCEMENT
1. Seminar will be conducted online using Google Meet platform (unless a physical presentation is requested by the panel members or supervisors).
2. The DD's Office will send the result of presentation to the candidate and supervisors after the seminar presentation.

Prepared By Deputy Dean's Office, INSTITUTE FOR ADVANCED STUDIES
Email: tdekan_ias@um.edu.my

Dissertation/Thesis Examination Process

MPHIL TO PHD CONVERSION

Candidacy Status Conversion

Candidates for a Master of Philosophy (MPhil) programme by full-time research may be considered for the conversion of their candidacy status to a Doctor of Philosophy (PhD) programme by full-time research subject to the following conditions:

(a) The application period for change of candidacy status is between twelve (12) months from the date of commencement of registration of the MPhil program of study;

(b) Submit a written application to the Supervisor using the form as in Appendix 1;

(c) Submit one (1) research report not exceeding 6,000 words on:
- Introduction and scope of research;
- Research objectives;
- Research methods;
- Research plans to lead to the PhD programme stage.

(d) Submit research results during the study period of the MPhil programmes, namely:
- one journal paper accepted for publication and one seminar presentation at the university, national or international level; **OR**

- a patent application that is pending or has been approved and a seminar presentation at the university, national or international level;

(2) A full -time candidate must present his research results in one (1) seminar in front of a panel of evaluators consisting of two (2) experts from within or outside the University in related fields as determined by PTj.

(3) The period of nomination for the MPhil programme is taken into account in the period of study of the PhD programme by research.

(4) A full-time candidate who is approved for a change of candidacy status is required to register for a PhD programme by research not later than the second lecture week of the following semester.

(5) A full-time candidate who is approved for a change of candidacy status do not need to take the Advanced Research Methodology course at the PhD programme level.

(6) A full-time candidate who is approved for a change of candidacy status shall meet the requirements of the graduation requirements including the publication requirements for the PhD programme by research.

Source: https://ias.um.edu.my/downloadable-formubheading

SUBMISSION

Other related documents:

https://ias.um.edu.my/downloadable-form -> Thesis Submission / Examination
1. Thesis Submission Form
2. Final Thesis Submission Form
3. Thesis or Dissertation Correction Report Form
4. Repository Form
5. APA Guidelines (UM Library)
6. IAS Declaration Form 2020 List of Publication MPhil Accepted
7. Guidelines for Publication in Fulfilment of Graduation Requirement for Postgraduate Candidates

SUPERVISION POLICY OF POSTGRADUATE CANDIDATES AT THE UNIVERSITI MALAYA ONLINE PORTAL

A more convenient online process

Go to > **https://ias.um.edu.my/**
Choose > **https://ias.um.edu.my/downloadable-form**
Click > **Application of Appointment / Change for Supervisor / Consultant**

PROGRAMME COORDINATOR

DR. SONG SZE LOOI
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03 7967 4683

DR. ADIBI RAHIMAN MD NOR
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03 7967 4426

Academic Programme
(COURSEWORK)

MASTER OF RENEWABLE ENERGY (MRE)

Master of Renewable Energy Programme is designed to produce experts in the field of Renewable Energy among local and international students. This program offers opportunity for professional and graduate students with advanced understanding in various core applications in Renewable Energy technology and management.

The programme aims to develop human resources with the knowledge and skills to advance research and development of effective measures to address current energy issues. It also offers an education that is directly relevant to the latest advancements in the Renewable Energy related industry.

GENERAL ENTRY REQUIREMENT

- Bachelor's Degree or equivalent in the related field with minimum CGPA of 3.00 or its equivalent; or
- Other qualifications approved by the University Senate.

ENGLISH LANGUAGE REQUIREMENT

- Band 5.5 ≥ IELTS Academic; or
- Score 550 (PBT) / 213 (CBT) / 46 (IBT- centre based) in TOEFL; or
- Band 4 ≥ MUET; or
- Score 51 ≥ PTE Academic; or
- Grade C ≥ English Language in A Level, Univ. of Cambridge; or
- Grade C ≥ Cambridge Assessment English: First (FCE); or
- Grade C ≥ Cambridge Assessment English: First CAE; or
- Grade C ≥ Cambridge Assessment English: First (CPE)

PROGRAMME STRUCTURE

Duration

- Minimum: 2-3 Semesters
- Maximum: 8 Semesters

Core Subject	Credits
Research Methodology	3
Research Project	12
Energy for Sustainable Development	3
Energy Policy	3
Energy Efficiency and Management	3
Foundation of Renewable Energy	3
Total	27

Elective Subject (Choose 5)	Credits
Smart Grid	3
Bioenergy	3
Energy Storage Technology	3
Low Carbon Buildings	3
Energy Economics	3
Solar Energy	3
Hydro Energy	3
Integration of Solar Photovoltaic System	3
Total	15

Overall Credits   42

FEES STRUCTURE

Full Time
- Local - RM18, 700
- International - RM37, 700

PROGRAMME LEARNING OUTCOME (PLO)

PLO 1 : Demonstrate expertise in the renewable energy field.

PLO 2 : Produce solutions to problems using scientific skills and critical thinking in the field of renewable energy.

PLO 3 : Translate the knowledge learnt into practical skills in renewable energy field.

PLO 4 : Managing information in digital age for lifelong learning in the field of renewable energy.

PLO 5 : Demonstrate ability to communicate and work as a team.

PLO 6 : Demonstrate leadership quality through effective communication among renewable energy partners and agencies.

PLO 7 : Demonstrate entrepreneurial mindset in dealing with energy related projects.

PLO 8 : Conduct research with minimum supervision and adhere to legal, ethical and professional practice codes in areas related to renewable energy.

PROGRAMME COORDINATOR

DR. TAN CHIA KWANG

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03 2246 3408

MASTER OF AGRICULTURAL BIOSECURITY

The Master of Agricultural Biosecurity programme is your gateway to becoming a leader in the critical field of biosecurity. This coursework-based degree equips you with a comprehensive understanding of key topics, ranging from cutting-edge detection and diagnostics to the challenges of agricultural pests and diseases. With core courses covering Advances in Detection and Diagnostics for Biosecurity, Agricultural Biotechnology, Epidemiology of Agricultural Pests and Diseases, Malaysian and International Environmental Policy, and Risk Assessment and Management of Biosecurity, you will develop a robust foundation in the discipline.

GENERAL ENTRY REQUIREMENT

- Bachelor's Degree or equivalent in the related field with minimum CGPA of 3.00 or its equivalent; or
- Other qualifications approved by the University Senate.

ENGLISH LANGUAGE REQUIREMENT

- Band 5.5 ≥ IELTS Academic; or
- Score 550 (PBT) / 213 (CBT) / 46 (IBT- centre based) in TOEFL; or
- Band 4 ≥ MUET; or
- Score 51 ≥ PTE Academic; or
- Grade C ≥ English Language in A Level, Univ. of Cambridge; or
- Grade C ≥ Cambridge Assessment English: First (FCE); or
- Grade C ≥ Cambridge Assessment English: First CAE; or
- Grade C ≥ Cambridge Assessment English: First (CPE)

PROGRAMME STRUCTURE

Duration

- Minimum: 2-3 Semesters
- Maximum: 8 Semesters

Core Subject

	Credits
Research Methodology	3
Detection and Diagnostics for Biosecurity	3
Communication, Culture, Cooperation, Community and Compliance	3
Advances in Agricultural Biotechnology	3
Epidemiology of Agricultural Pests and Diseases	3
Malaysian and International Environmental Policies	3
Risk and Assessment and Biosecurity Management	3
Agricultural Biosecurity Research Project	12
Total	**33**

Elective Subject
(Choose 3)

	Credits
Plant Biosecurity	3
Bioethics	3
Animal Biosecurity	3
Emerging and Infectious diseases	3
Sustainable Agricultural Development	3
Total	**9**

Overall Credits   42

FEES STRUCTURE

Full Time
- Local - RM23, 200
- International - RM43, 600

Part Time
- Local - RM28, 800
- International - RM55, 960

PROGRAMME LEARNING OUTCOME (PLO)

PLO 1 : Demonstrate comprehensive knowledge and understand across disciplines related to agricultural biosecurity.

PLO 2 : Analyse, evaluate and integrate the latest information from relevant sources for inclusion in the field of agricultural biosecurity

PLO 3 : Identify, design, and provide innovative and effective solutions to problems related to agricultural biosecurity with limited guidance and produce reliable data for scientific reports individually or in groups

PLO 4 : Apply knowledge in agricultural biosecurity to strengthen communication and improve capability to work in a team

PLO 5 : Uses a variety of information, media applications and technologies to calculate, analyse, interpret, and present data

PLO 6 : Demonstrate leadership qualities and interpersonal skills in planning, resource management and problem solving in groups in academic activities

PLO 7 : Increase commitment towards lifelong learning and information management in agricultural biosecurity

PLO 8 : Demonstrate understanding, awareness and adherence to biosafety, ethical, professional, and legal norms as well as awareness of commercial and social issues related to agricultural biosecurity

PROGRAMME COORDINATOR

ASSOCIATE. PROF. DR. TAN BOON CHIN

boonchin@um.edu.my
03 7967 7982

MASTER OF ADVANCED STUDIES

In this new era of market competition, it is crucial to provide graduates with interdisciplinary thinking and skills so that they can effectively tackle these challenges. One solution to bridging the skills gap is by enhancing knowledge and skills.

Master of Advanced Studies program is designed for individuals from diverse experiences and backgrounds. The combination of Integrated Analytics and Sustainable Leadership, which serves as the program's direction, reflects a holistic approach to addressing complex challenges comprehensively.

This interdisciplinary Master's degree program offers stackable credentials and a flexible curriculum, allowing students to explore various topics across different fields or specialize in a specific area.

GENERAL ENTRY REQUIREMENT

- Bachelor's Degree or equivalent in the related field with minimum CGPA of 3.00 or its equivalent; or
- Other qualifications approved by the University Senate.

ENGLISH LANGUAGE REQUIREMENT

- Band 5.5 ≥ IELTS Academic; or
- Score 550 (PBT) / 213 (CBT) / 46 (IBT- centre based) in TOEFL; or
- Band 4 ≥ MUET; or
- Score 51 ≥ PTE Academic; or
- Grade C ≥ English Language in A Level, Univ. of Cambridge; or
- Grade C ≥ Cambridge Assessment English: First (FCE); or
- Grade C ≥ Cambridge Assessment English: First CAE; or
- Grade C ≥ Cambridge Assessment English: First (CPE)

PROGRAMME STRUCTURE

Duration

- Minimum: 2-3 Semesters
- Maximum: 8 Semesters

Core Subject

	Credits
Research Methodology	3
Data Analytics in Decision Making	4
Organisational Management, Culture and Leadership	3
Project Management	4
Environmental, Social and Governance	3
Computational Thinking and Design Thinking	4
Capstone Project	9
Total	30
Overall Credits	**42**

Elective Subject From Dieffurent Cluster *(Choose 3)*

Select a minimum of 3 subjects from 1 cluster

- Environment & Infrastructure
- Technology & Innovation
- Policy & Governance
- Health & Wellbeing

Total 12

FEES STRUCTURE

Full Time
- Local - RM25, 300
- International - RM31, 300

Part Time
- Local - RM47, 400
- International - RM60, 500

PROGRAMME LEARNING OUTCOME (PLO)

PLO 1 : Demonstrate advanced knowledge of the latest applications and developments in professional practice.

PLO 2 : Utilize thinking skills in solving problems to improve the quality of life and career.

PLO 3 : Identify, design and conduct relevant research in solving current world issues efficiently and effectively.

PLO 4 : Utilize digital and numerical skills for lifelong learning in solving current world issues.

PLO 5 : Demonstrate communication skills and the ability to work in a team.

PLO 6 : Demonstrate leadership qualities among friends and community in solving current issues.

PLO 7 : Demonstrate commitment and entrepreneurial thinking in current issues being resolved.

PLO 8 : Create community of practice in compliance with legislation, ethics and code of professional conduct.

PROGRAMME COORDINATOR

DR. SONG SZE LOOI
szelooi@um.edu.my
03 7967 4683

Academic Programme (MIXED MODE)

MASTER OF APPLIED SCIENCES (NANOTECHNOLOGY)

Master of Applied Sciences (Nanotechnology) is the first mixed mode programme in Malaysia that offers both upskilling and reskilling opportunities in the field of nanotechnology for fresh graduates and working adults.

This unique programme aims to provide candidates with in-depth knowledge and skills required in the field of nanotechnology in line with current developments.

GENERAL ENTRY REQUIREMENT

- Bachelor's Degree or equivalent in the related field with minimum CGPA of 3.00 or its equivalent; or
- Other qualifications approved by the University Senate.

ENGLISH LANGUAGE REQUIREMENT

- Band 5.5 ≥ IELTS Academic; or
- Score 550 (PBT) / 213 (CBT) / 46 (IBT- centre based) in TOEFL; or
- Band 4 ≥ MUET; or
- Score 51 ≥ PTE Academic; or
- Grade C ≥ English Language in A Level, Univ. of Cambridge; or
- Grade C ≥ Cambridge Assessment English: First (FCE); or
- Grade C ≥ Cambridge Assessment English: First CAE; or
- Grade C ≥ Cambridge Assessment English: First (CPE)

PROGRAMME STRUCTURE
Duration

- Minimum: 3-4 Semesters
- Maximum: 8-9 Semesters

Core Subject

	Credits
• Nanotechnology	3
• Research Methodology	3
• Dissertation	30
Total	36

Elective Subject
(Choose 3)

	Credits
• Design, Synthesis and Fabrication	3
• Characterization Techniques	3
• Nanosafety and Health	3
• Nanoelectronics	3
• Nanomedicine	3
• Nanobiotechnology	3
• Environmental Nanobiotechnology	3
• Nanobiotechnology in Food and Agriculture	3
Total	6

Overall Credits   42

FEES STRUCTURE

Full Time
- Local - RM24, 600
- International - RM43, 400

Part Time
- Local - RM25, 900
- International - RM32, 600

PROGRAMME LEARNING OUTCOME (PLO)

PLO 1 : Demonstrate advanced knowledge of the latest applications and developments in the field of nanotechnology.

PLO 2 : Master critical thinking skills in problem solving with nanotechnology to improve quality of life.

PLO 3 : Integrate relevant scientific theories in the field of nanotechnology as well as conduct relevant research efficiently and effectively.

PLO 4 : Integrate science and nanotechnology knowledge to strengthen communication, enhance leadership and collaborative works.

PLO 5 : Apply digital information management and numerical skills to analyze, interpret and present data in the development of nanotechnology.

PLO 6 : Practice social responsibility in the use of nanotechnology in local and international arenas.

PLO 7 : Foster commitment to lifelong learning and information management in the field of nanotechnology.

PLO 8 : Practice pure values, positive attitudes, and ethics of professionalism as a profession in the field of nanotechnology.

SEMINAR PRESENTATION GUIDELINES

The conduct of a candidature seminar refers to the periodic monitoring process of a candidate's research progress (for example, through progress reports or presentation of research proposals) to evaluate knowledge, critical thinking, practical, technical, professional, scientific, and problem-solving skills. The candidate's evaluation process is through a Panel of Assessors appointed by the Responsibility Centre (RC).
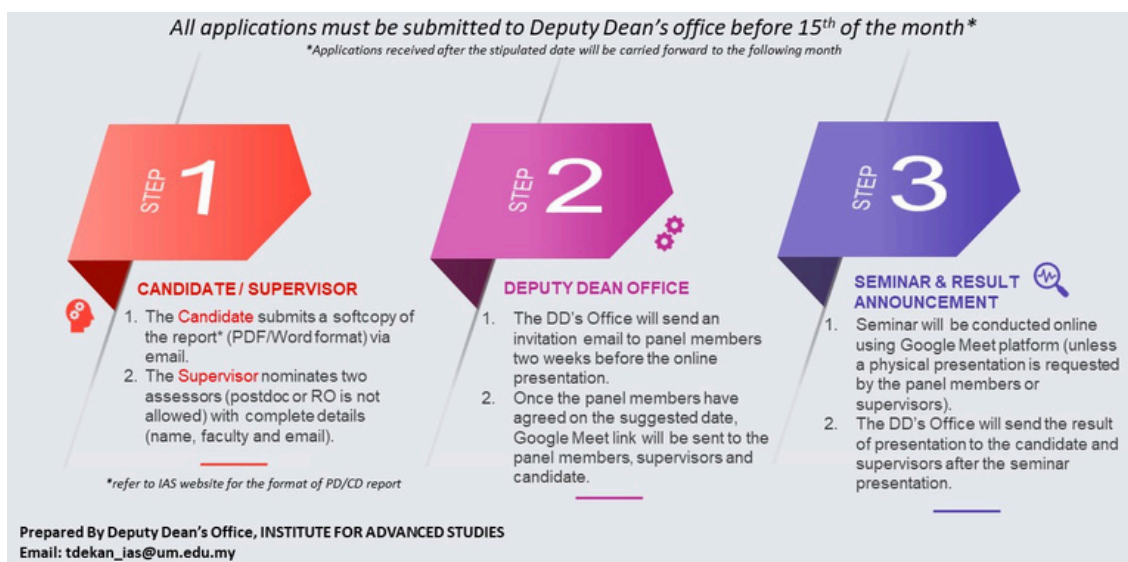
The candidature seminar consists of the following:
(a) Proposal Defence
(b) Confirmation Defence
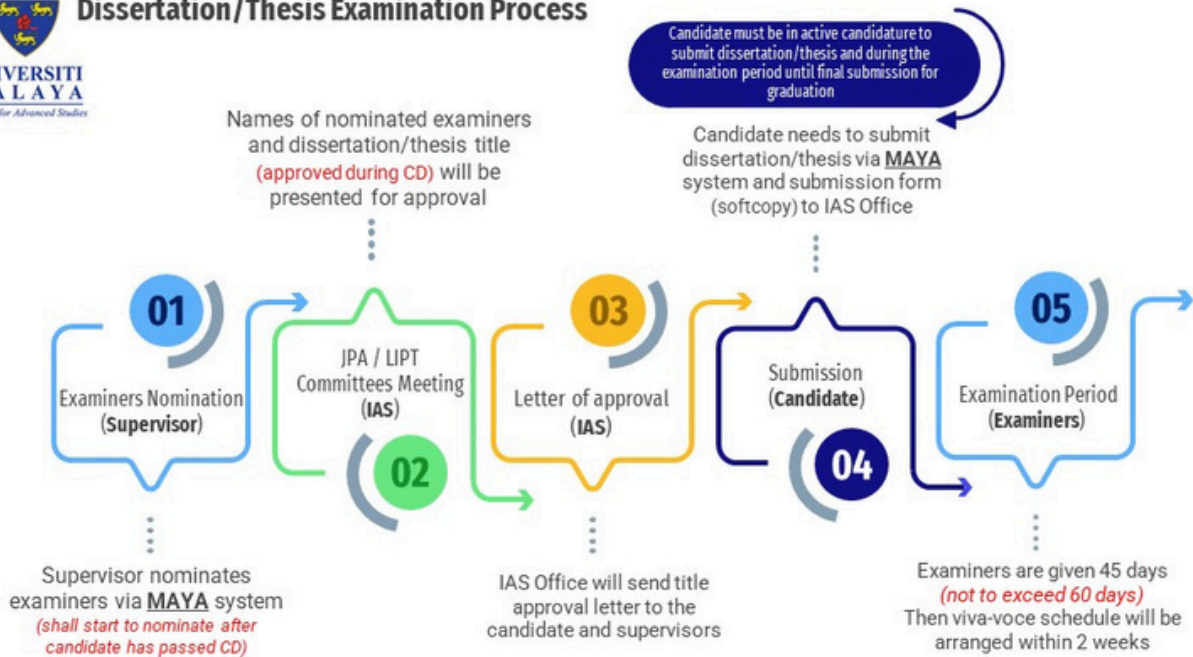(c) Candidature Defence
(d) Thesis Seminar

The Head of the RC is responsible for ensuring that this procedure is followed during the conduct of the candidature seminar.
Anyone involved in the conduct of the candidature seminar must adhere to this procedure.

APPLICATION FOR PROPOSAL/ CONFIRMATION/ CANDIDATURE DEFENCE

Dissertation/Thesis Examination Process

UNIVERSITI MALAYA — Institute for Advanced Studies

Names of nominated examiners and dissertation/thesis title (approved during CD) will be presented for approval

Candidate must be in active candidature to submit dissertation/thesis and during the examination period until final submission for graduation

Candidate needs to submit dissertation/thesis via **MAYA** system and submission form (softcopy) to IAS Office

01 Examiners Nomination (**Supervisor**)

02 JPA / LIPT Committees Meeting (**IAS**)

03 Letter of approval (**IAS**)

04 Submission (**Candidate**)

05 Examination Period (**Examiners**)

Supervisor nominates examiners via **MAYA** system (shall start to nominate after candidate has passed CD)

IAS Office will send title approval letter to the candidate and supervisors

Examiners are given 45 days (not to exceed 60 days) Then viva-voce schedule will be arranged within 2 weeks

SUBMISSION

Other related documents:

https://ias.um.edu.my/downloadable-form -> Thesis Submission / Examination
1. Thesis Submission Form
2. Final Thesis Submission Form
3. Thesis or Dissertation Correction Report Form
4. Repository Form
5. APA Guidelines (UM Library)
6. IAS Declaration Form 2020 List of Publication MPhil Accepted
7. Guidelines for Publication in Fulfilment of Graduation Requirement for Postgraduate Candidates

SUPERVISION POLICY OF POSTGRADUATE CANDIDATES AT THE UNIVERSITI MALAYA ONLINE PORTAL

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Choose > **https://ias.um.edu.my/downloadable-form**
Click > **Application of Appointment / Change for Supervisor / Consultant**

PROGRAMME COORDINATOR

ASSOCIATE. PROF. DR. ONG BOON HOONG

bhong@um.edu.my
03 7967 2930

Academic Policies

Academic Policies

https://umsitsguide.um.edu.my/

Renewal of Candidature (Registration)

Any candidate who fails to register continuously for a duration of two (2) semesters with the University ceases to be a student and the student's name will be dropped from the register of students of the University.

Failing out and Termination of Candidature

1. Failing the candidature defence 2 times
2. Non-satisfactory progress report 2 semesters in a row
3. Failing the dissertation/thesis
4. Failure to complete the programme requirements within the maximum time frame
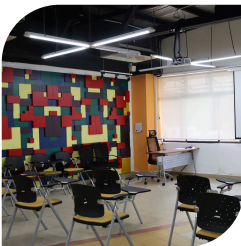
FACILITIES @IAS

Auditorium

Seminar Room

The cube 1

The cube 2

Akasia Room

Jasmine Room

Computer Lab

Azalea Meeting Room

Anggerik Meeting Room

Research Nest

AKAR Co-working Space

UNIVERSITI MALAYA

INSTITUT PENGAJIAN TERMAJU
Institute for Advanced Studies

OUR
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