



**UNIVERSITI
MALAYA**
Faculty of Engineering

POSTGRADUATE WELCOMING SESSION

SEMESTER 2, SESSION 2022/2023



Prof. Ir. Dr. Ngh Gek Cheng

**Deputy Dean
(Postgraduate Studies)**



The King Edward VII College of Medicine was founded in 1905 to train the first Malaysian (Malayan) doctors. The College later became known as the University of Malaya in Singapore.



The University of Malaya Kuala Lumpur campus was established in 1959. The University Hospital was opened in 1968.



UNIVERSITY OF MALAYA History

1905



King Edward VII College of Medicine, Singapore

1928



Raffles College Singapore

1949



Raffles College was merged with King Edward VII College of Medicine to become the University of Malaya.

1962



University of Singapore (now known as National University of Singapore)



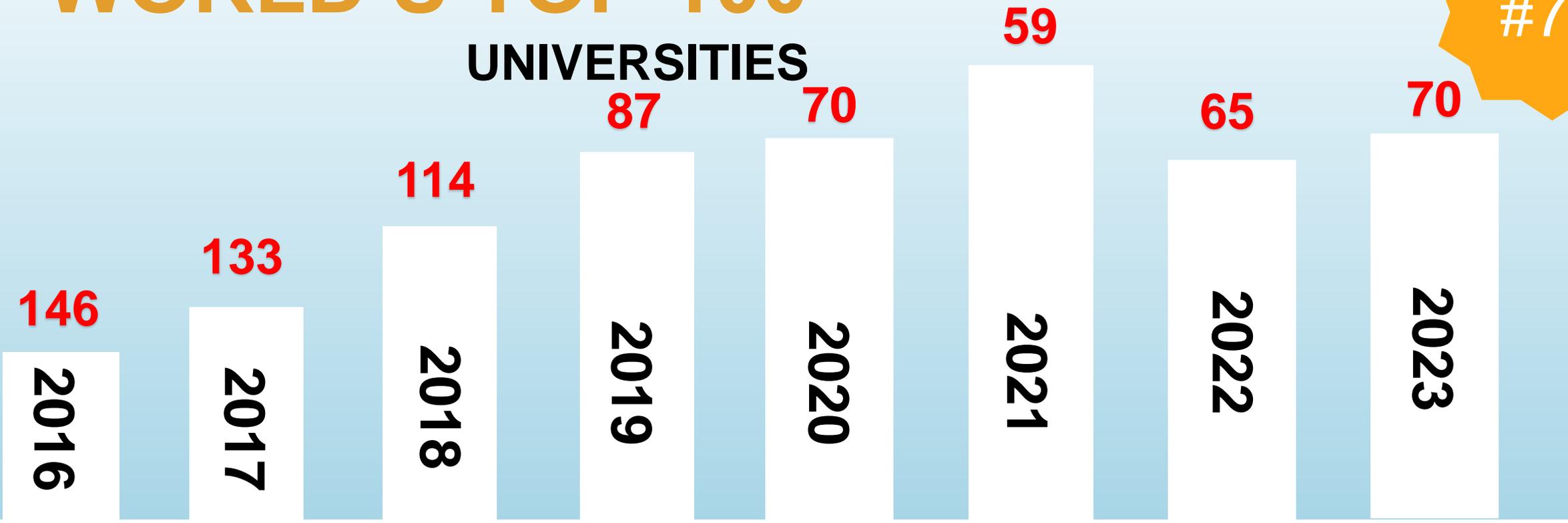
University of Malaya Kuala Lumpur



ONE OF THE

WORLD'S TOP 100

UNIVERSITIES



Since 2016, UM has always illustrated positive performance

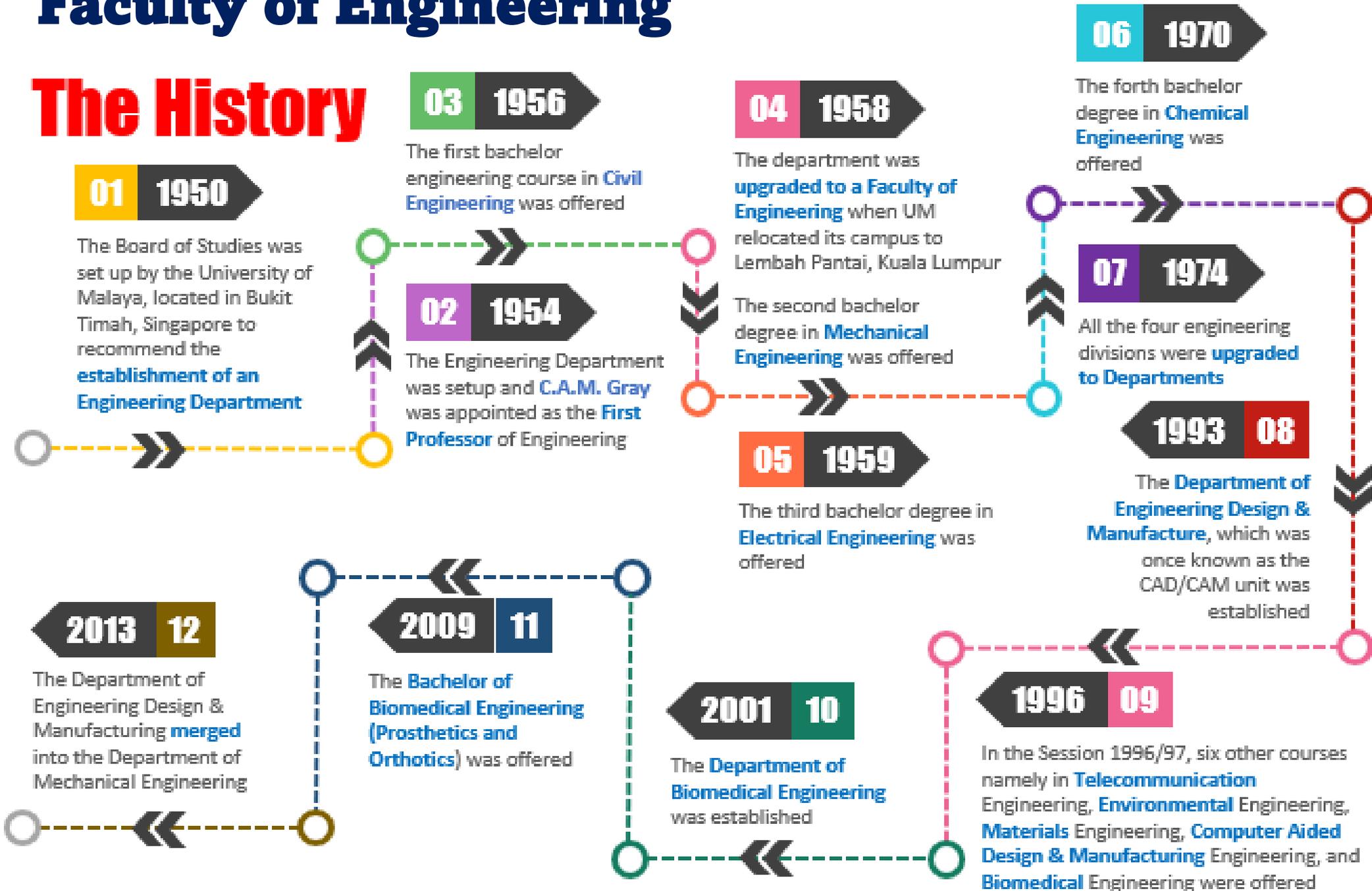


UM Ranking Performance



Faculty of Engineering

The History



SOARING HIGHER...



2022



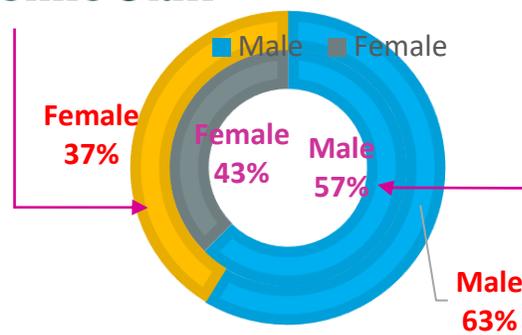


TOTAL 153
Academic staff

Male 96
Female 57

Academic Staff

Non-Academic Staff

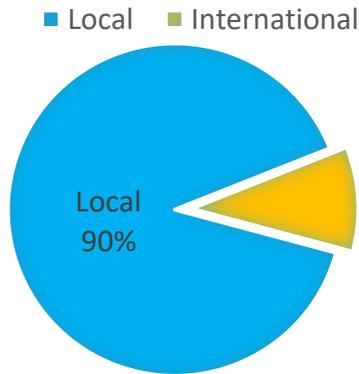


TOTAL 141
Non-Academic Staff

77 Male
64 Female



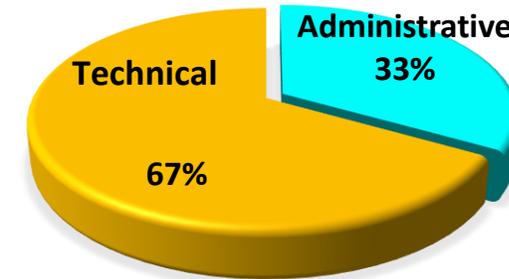
Lecturer	4
Senior Lecturer	84
Associate Professor	42
Professor	23



International (10%)

1. Egypt (1)
2. India (1)
3. Iran (4)
4. Sudan (1)
5. Bangladesh (4)
6. Indonesia (2)
7. New Zealand (1)
8. Yemen (1)
9. Netherland (1)

NON-ACADEMIC STAFF



Chartered Engineer 78

6 14 10 17 31
Civil Biomedical Chemical Electrical Mechanical

Professional Engineer 53

5 11 10 13 14
Civil Biomedical Chemical Electrical Mechanical



THE MANAGEMENT



Professor Ir. Dr. Kaharudin
bin Dimyati

Dean



Undergraduate Studies



Prof. Ir. Dr. Ngoh
Gek Cheng

Postgraduate Studies



Dr. Mohd Usman
Mohd Junaidi

Student Affairs



Assoc. Prof. Ir. Dr. Lai
Sai Hin

Research



Assoc. Prof. Ir. Dr. Tan
Chou Yong

Value Creation &
Enterprise



Noor Lailatul Marini
Kamal Amir

Administrative (Manager)



Ir. Dr. Nasrul Anuar
Abd. Razak

Head of Biomedical
Department



Dr. Mahar Diana Hamid

Head of Chemical
Department



Prof. Ir. Dr. Faridah
Othman

Head of Civil
Department



Prof. Ir. Dr. Sulaiman
Wadi Harun

Head of Electrical
Department



Assoc. Prof. Ir. Dr. Nik Nazri
Nik Ghazali

Head of Mechanical
Department

PROGRAMME COORDINATORS

COURSEWORK PROGRAMMES



Master of Biomedical Engineering

Assoc. Prof. Ir. Dr. Ting Hua Nong

tinghn@um.edu.my



Master of Mechanical Engineering

Dr. Khoo Shin Yee

khooshinyee@um.edu.my



Master of Safety, Health and Environment
Engineering

Dr. Fathiah Binti Mohamed Zuki

fathiahmz@um.edu.my



Master of Systems Engineering

**Dr. Tengku Faiz Bin Tengku Mohmed Noor
Izam**

tengkufaiz@um.edu.my

PROGRAMME COORDINATORS

RESEARCH PROGRAMMES



Doctor of Philosophy

Dr. Nor Ishida Binti Zainal Abidin

ishida@um.edu.my



Master of Engineering Science

**Assoc. Prof. Dr. Hendrik Simon Cornelis
Metselaar**

h.metselaar@um.edu.my

POSTGRADUATE COORDINATORS

By Department



Department of Civil Engineering

Ir. Dr. Mohd Rasdan Bin Ibrahim

rasdan@um.edu.my



Department of Biomedical Engineering

Assoc. Prof. Ir. Dr. Liew Yih Miin

liewym@um.edu.my



Department of Chemical Engineering

Assoc. Prof. Ir. Dr. Adeline Chua Seak May

adeline@um.edu.my



Department of Electrical Engineering

Assoc. Prof. Ir. Dr. Kamarul Ariffin Bin Noordin

kamarul@um.edu.my



Department of Mechanical Engineering

Dr. Mohammed Abdo Hashem Ali

tengkufaiz@um.edu.my

Deputy Dean (Postgraduate Studies) Office



DEPUTY DEAN
PROF. IR. DR. NGOH GEK
CHENG

*Deputy Dean's Office (Postgraduate Studies),
Faculty of Engineering*

Tel: +603-7967 4477 (Administration)/
4480 (Master Coursework)/
4481 (PhD & Master Research)/
4482 (Assistant Registrar)
Faks: +603-7956 1378

Email: fk_tdit@um.edu.my



JUNAINAH BINTI
JAMALUDDIN
SENIOR ASST.
REGISTRAR N44

NUUR HAKIMAH BINTI
MOHD DIN
SECRETARY



General inquiries

NOOR HAFIZA BINTI
HALIM
ASST. ADMINISTRATIVE
OFFICER



Admission

NORHANIS BINTI
AHMAD
SENIOR ADMIN ASST.



Candidature Defence, Thesis
Seminar

MAZNAH BINTI
MOHAMMAD ZIN
SENIOR ADMIN ASST.



Coursework Programme

AHMAD AMIRUL BIN
AHAMAD NAWAI
ADMIN ASST.



Research Programme

NOR HARYATI BINTI
MUEN
SENIOR ADMIN ASST.



Research Programme

SITI KHAIIRAH BINTI
IBRAHIM
ADMIN ASST.



Research Programme

Learning Outcomes

1

- Demonstrate continuing advanced knowledge and apply the knowledge in solving complex engineering problems.

2

- Analyze and evaluate complex engineering problems or issues critically and provide solutions through the application of engineering concepts.

3

- Formulate and design solutions for the complex engineering problems using appropriate methods and tools

4

- Communicate critically based on the engineering knowledge using oral or written medium as individual or in a group.

5

- Demonstrate competency incorporating advanced numerical concept and adopt relevant digital technologies in solving complex engineering problems.

6

- Demonstrate significant leadership skills in project management and technical project in the context of complex engineering application.

7

- Identify the need for continuous professional development and entrepreneurial element in the context of engineering discipline.

8

- Plan and execute technical or research project ethically and professionally as a socially responsible engineer.

Program Structure

- Master of Safety, Health and Environment Engineering

COURSE	CREDIT
Core Courses	21
Elective Courses	12
Research Project	10
TOTAL CREDITS	43

- Master of Mechanical Engineering

COURSE	CREDIT
Core Courses	21
Elective Courses	9
Research Project	12
TOTAL CREDITS	42

- Master of System Engineering

COURSE	CREDIT
Core Courses	15
Elective Courses	15
Research Project	12
TOTAL CREDITS	42

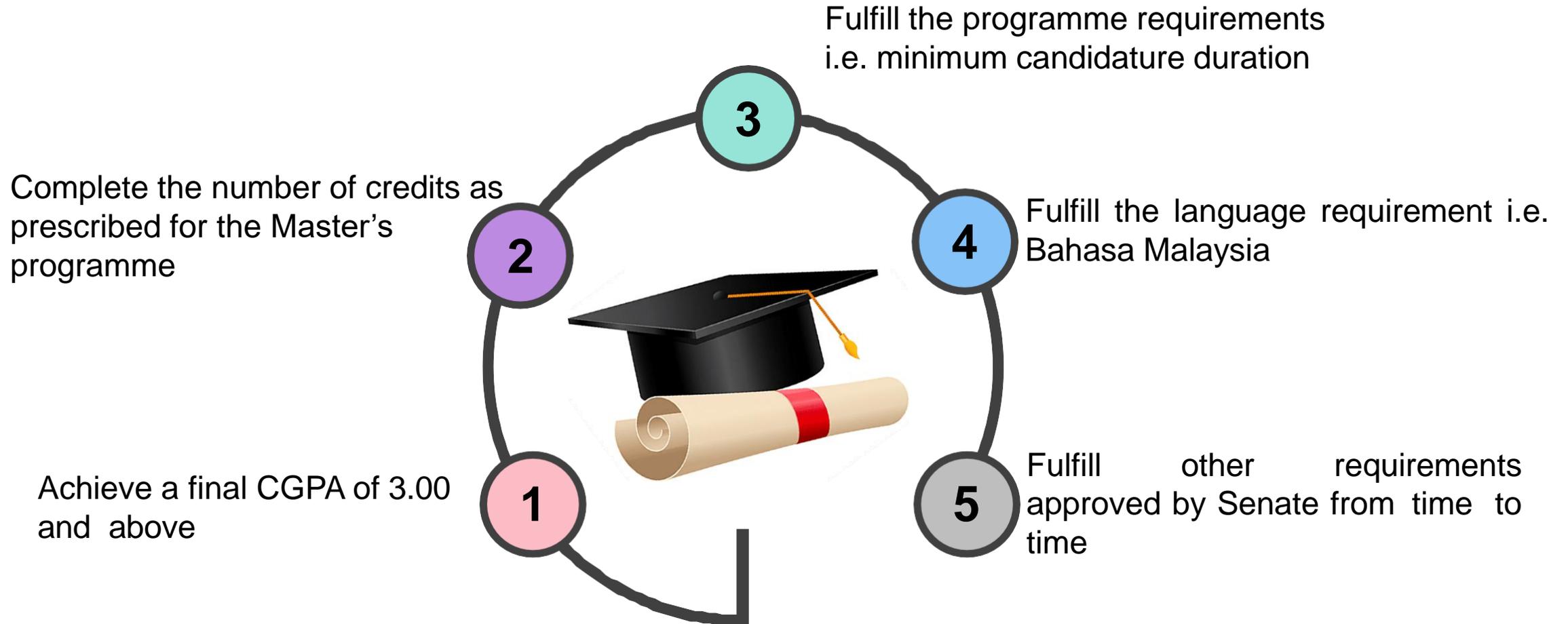
MARKING SCHEME AND GRADE POINT AVERAGE

Marks	Grade	Grade Point	Meaning
90.00 - 100.00	A+	4.00	High Distinction
80.00 - 89.99	A	4.00	Distinction
75.00 - 79.99	A-	3.70	Distinction
70.00 - 74.99	B+	3.30	Pass
65.00 - 69.99	B	3.00	Pass
60.00 - 64.99	B-	2.70	Fail
55.00 - 59.99	C+	2.30	Fail
50.00 - 54.99	C	2.00	Fail
45.00 - 49.99	C-	1.70	Fail
40.00 - 44.99	D+	1.30	Fail
35.00 - 39.99	D	1.00	Fail
00.00 - 34.99	F	0.00	Fail

Note:

Grade 'P' is given every semester for progressive courses which are conducted consecutively until the total credit of the course is completed. Other than medical reasons, any candidate who does not complete grade P will be given grade F.

GRADUATION – Programme of Study by Coursework



For more details please refer to <https://engine.um.edu.my/postgraduate-programmes>

CANDIDATURE REQUIREMENTS

MASTER BY RESEARCH

- (a) FULFILL the **University Bahasa Malaysia** course before graduation (INTERNATIONAL candidates only)
 - (b) PASS **Research Methodology Course not later than the second (2nd) semester** of candidature
 - (c) PRESENT research proposal in **Proposal Defence not later than the second (2nd) semester** of candidature
 - (d) PRESENT research progress in **Candidature Defence not later than the third (3rd) semester** of candidature
 - (e) PUBLISH **at least one (1) article in journals indexed by Thomson Reuters Web of Science (WoS)** (according to the criteria set in the publication guidelines), prior to graduation
 - (f) PASS dissertation examination and Viva Voce
-

CANDIDATURE REQUIREMENTS

DOCTOR OF PHILOSOPHY

- (a) FULFILL the **University Bahasa Malaysia** course before graduation (INTERNATIONAL candidates only)
 - (b) PASS **Research Methodology Course not later than the second (2nd) semester** of candidature
 - (c) PRESENT research proposal in **Proposal Defence not later than the second (2nd) semester** of candidature
 - (d) PRESENT research progress in **Candidature Defence not later than the fifth (5th) semester** of candidature
 - (e) PRESENT **Thesis Seminar** before the submission of thesis for examination
 - (f) PUBLISH **at least two (2) articles in journals indexed by Thomson Reuters Web of Science (WoS)** (according to the criteria set in the publication guidelines), prior to graduation
 - (g) PASS thesis examination and Viva Voce
-

CANDIDATURE REQUIREMENTS

DOCTOR OF PHILOSOPHY (FAST TRACK)

- (a) FULFILL the **University Bahasa Malaysia** course before graduation (INTERNATIONAL candidates only)
 - (b) PASS **Research Methodology Course** not later than the **second (2nd) semester** of candidature
 - (c) PRESENT research proposal in **Proposal Defence** not later than the **second (2nd) semester** of candidature
 - ***(d) PRESENT research progress in PhD Confirmation Defence** not later than the **third (3rd) semester** of candidature
 - (e) PRESENT research progress at **Candidature Defence** not later than the **fifth (5th) semester** of candidature
 - (f) PRESENT **Thesis Seminar** before the submission of thesis for examination
 - (g) PUBLISH **at least two (2) articles** in **journals indexed by Thomson Reuters Web of Science (WoS)** (according to the criteria set in the publication guidelines), prior to graduation
 - (h) PASS thesis examination and Viva Voce
-

Lecture Hall and Rooms

Lecture Hall	No of Rooms	Capacity
Auditorium	2	200 - 400 pax
Lecture Hall	9	100 – 240 pax
Tutorial Room	11	80 pax
The Cube	12	40 – 50 pax
Computer Labs	7	30 – 60 pax
Teaching and research labs	175	

For more information please refer to <https://engine.um.edu.my/facilities>



THE CUBE, BLOCK L



LECTURE HALL



COMPUTER LAB



STUDENT WORKSHOP



STUDY CORNER



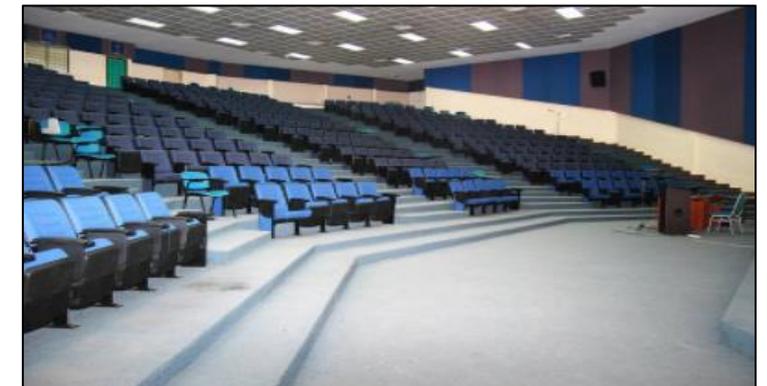
CAFETERIA



ENGINEERING LIBRARY



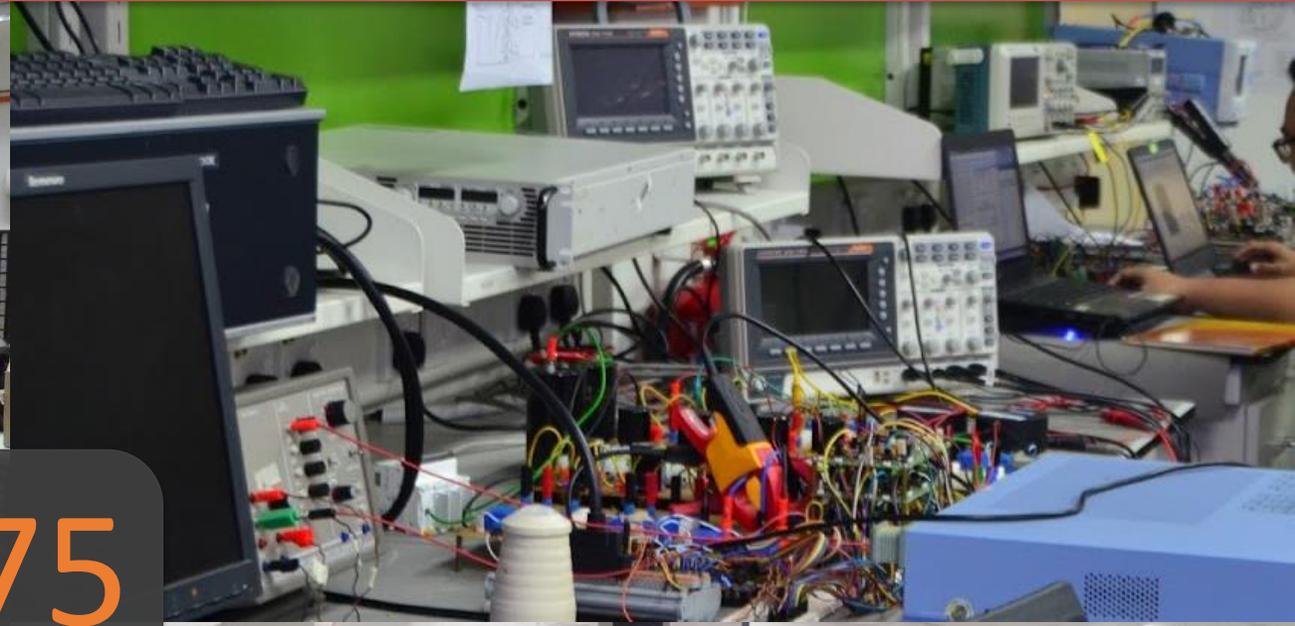
AUDITORIUM



High Voltage Lab



Power Electronics and Renewable Energy Lab



175
Laboratories



Tribology Lab



Advanced Manufacturing Lab

Heavy Structure Lab



Body Performance and Motion Analysis Lab



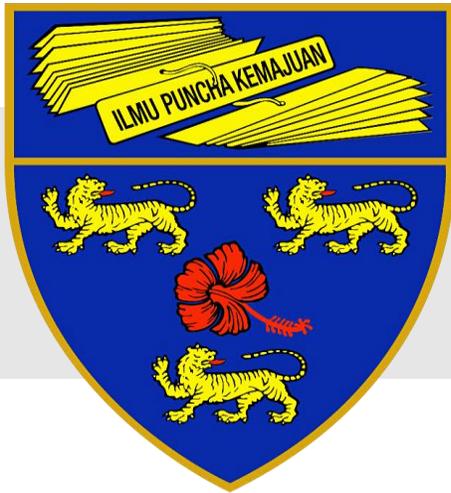
175
Laboratories



Environmental Lab



Mass Transfer Lab



Important Points

Important Points

Research Project (for Coursework only)

*Determination of field of research
Appointment of supervisor(s)
Confirmation of title
Meet submission dateline*

Research Methodology

Join the class according to the mode of studies (Master/ PhD)

Plan schedule for examinations

Strictly follow the examination schedule

BAHASA MALAYSIA MODULE

INTERNATIONAL STUDENT must fulfill the course before graduation (approach the Faculty of Languages and Linguistics for more information)

Enrolment Status

*Confirm registration and ensure status is **ACTIVE***

Add and Drop Modules

No add and drop module is allowed after confirmation of registration

CONFIRMATION LETTER FOR VISA

*Apply at least **ONE MONTH** before the expiry date of Visa
(**NO Last Minute!**)*

SISWAMAIL

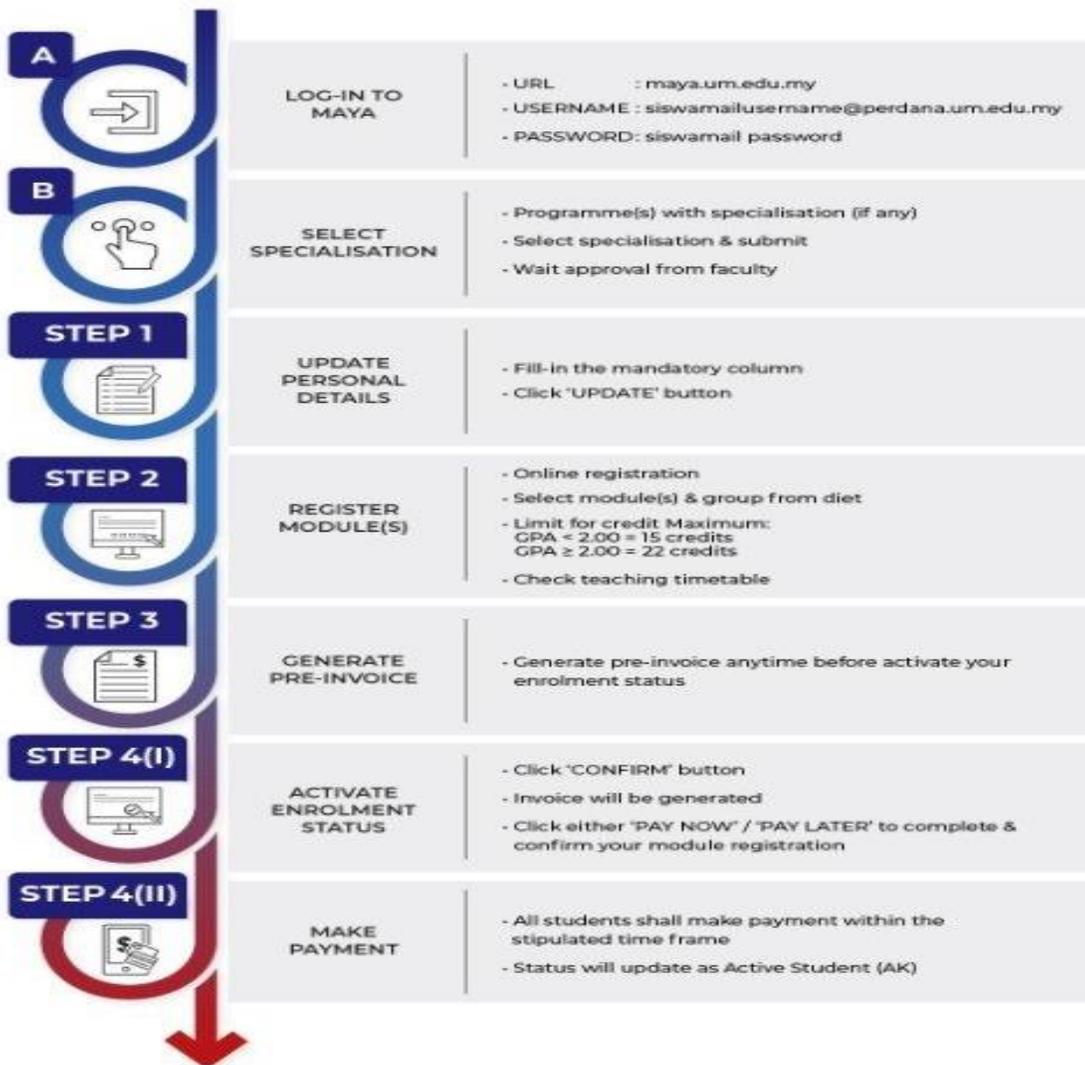
Check regularly for important updates and notification i.e. reminder on Progress Report, Deadlines , change of timetable & etc.

Teaching and Learning

Teaching and learning activities will be conducted online or in hybrid mode

Dear Students,

To ensure the registration process runs smoothly, it is advisable for students to complete the Module Registration first. You are encouraged to Generate Pre-Invoice during non peak hours followed by Enrolment Activation.



Offer Letter Acceptance

Level of Study	Student Category	Start Date	End Date
Postgraduate	New Students (Coursework & Mixed Mode)	-	30 Sep 2022 (11:59 pm)
	New Students (Research)	-	16 Jan 2023 (11:59 pm)

Self Enrolment

Level of Study	Student Category	Start Date	End Date
Postgraduate	New Students (Coursework & Mixed Mode)	3 Oct 2022 (8:30 am)	14 Oct 2022 (11:59 pm)
	New Students (Research)	3 Oct 2022 (8:30 am)	27 Jan 2023 (11:59 pm)

Module Registration & Enrolment Status Activation

Mode of Studies	Start Date	End Date
Current Students (Coursework, Mixed Mode & Research)	23 Sep 2022 (8:30 am)	14 Oct 2022 (11:59 pm)
New Students (Coursework & Mixed Mode)	3 Oct 2022 (8:30 am)	14 Oct 2022 (11:59 pm)
New Students (Research) <i>Module : Research Methodology & Thesis/ Dissertation</i>	3 Oct 2022 (8:30 am)	28 Oct 2022 (11:59 pm)
New Students (Research) <i>Module : Thesis/Dissertation only</i>	3 Oct 2022 (8:30 am)	27 Jan 2023 (11:59 pm)
Submission of Progress Report <i>For students who have registered for the Dissertation or Thesis Module in Semester 1, 2022/2023</i>	26 Dec 2022	27 Jan 2023



MENARA
KEJURUTERAAN

THANK YOU
