SCHOOL OF MATERIALS AND MINERAL RESOURCES ENGINEERING

Postgraduate Handbook

MSc & PhD Research

Academic Session 2025/2026

Issued on **Ogos, 2025**

Version **2025 Edition**

Table of Contents

01 BACKGROUND

1.1 SMMRE BACKGROUND

The School of Materials and Mineral Resources Engineering (SMMRE) started its program since 1984 in Universiti Sains Malaysia (USM), Penang under the School of Industrial Technology and Engineering Sciences. With the advancement of technology and market demand for skilled engineers in the country, USM took the initiative to fulfill the requirement by having its own engineering school separated from other disciplines of applied sciences.

In March 1986, the engineering disciplines under the School of Industrial Technology were separated to form their own schools, which include the formation of the School of Materials and Mineral Resources Engineering. USM had then housed the new campus at Ipoh before moving to Seri Iskandar, Perak.However, after a lapsed of 15 years, in May 2001, the campus was moved to the new site situated at Nibong Tebal, Seberang Perai Selatan, Penang.

Compared to other schools or faculty in other Institutes of Higher Learning in Malaysia, the School of Materials and Mineral Resources Engineering is unique because it offers three programs, these are Materials Engineering, Mineral Resources Engineering and Polymer Engineering at bachelor degree (honours) level for each programme.

Polymer Engineering program is the latest addition to the school that commenced in April 2002. The program is an upgrading of Polymer Technology program that was originally under the School of Industrial Technology in USM Penang.

In general, the three programs include specialization as follows:

(i) The Material Engineering emphasizes on materials such as metal, ceramic, composite, polymer and semiconductor and electronic materials.These involve design and production of materials, quality control and the materials properties.

(ii) Mineral Resources Engineering focuses on areas of mining, processing and management of mineral resources and the environment.

(iii) Polymer Engineering focuses on polymeric materials such as plastics, rubber, latex and composites. These involve synthesis, processing, design and production of polymer products, quality control and the properties of polymers.

In principal, Universiti Sains Malaysia, upholds the mission among which to build a greater understanding and strive to provide quality education as well as efficient and professional services through vast knowledge, innovation and latest expertise while upholding common ethical values.

With that, SMMRE through its three programmes have one similar objective that is to produce materials, mineral resources and polymer engineers that are professionally qualified, knowledgeable and matured, highly skilled and capable to perform in relevant engineering activities including giving ideas and solution towards complex engineering problem through analytical, innovative and proactive thinking. With these philosophies, the curriculum has been design to fulfill the aspiration and goals of Industrial Revolution 4.0, sustainable development goals (SDGs), industrial needs and in line with the growth of world globalization technology. Therefore, the existing curriculum is moulded with the following quality:

• Recognized by professional bodies including Board of Engineers Malaysia (BEM) and Institution of Engineers Malaysia (IEM).

• Balanced integration of teaching based on theory with practical skills.

• Continuously up-dated with various specializations in tandem with the needs and development of local and international market.

• Develop and generate graduates with knowledge, ethics, quality, skill, innovative and strong commitment towards excellent performance.

1.2 VISION OF SMMRE

To be an established and respectable world class academic and research school of excellence based on current technology.

1.3 MISSION OF SMMRE

To be globally recognized as a dynamic engineering school that produces creative, innovative and resourceful intellectuals with an ethos towards life-long learning that will contribute towards the creation of knowledge based society.

02

ORGANIZATIONAL CHART

ADMINISTRATIVE ORGANIZATIONAL CHART

DEAN
Prof. Ts. Dr. Zulkifli Mohamad Ariff

DEPUTY DEAN
(Research, Innovation & Industrial-Community Engagement)
Assoc. Prof. Dr. Khairul Anuar Shariff

DEPUTY DEAN
(Academic, Career & International)
Dr. Suhaina Ismail

PROGRAMME CHAIRMAN
(Materials Engineering)
Dr. Syazana Ahmad Zubir

PROGRAMME CHAIRMAN
(Mineral Resouces Engineering)
Dr. Nurul'Ain Jabit

PROGRAMME CHAIRMAN
(Polymer Engineering)
Assoc. Prof. Ir. Ts. Dr. Zuratul Ain Abdul Hamid

MANAGER
(Corporate Affairs & Community Engagement)
Dr. Mohamad Danial Shafiq

SENIOR ASSISTANT REGISTRAR
Mrs. Normala Omar

SENIOR ASSISTANT Engineer
Mr. Khairul Nasrin Abas

ASSISTANT REGISTRAR
Mrs. Nurintan Syuhada Halim

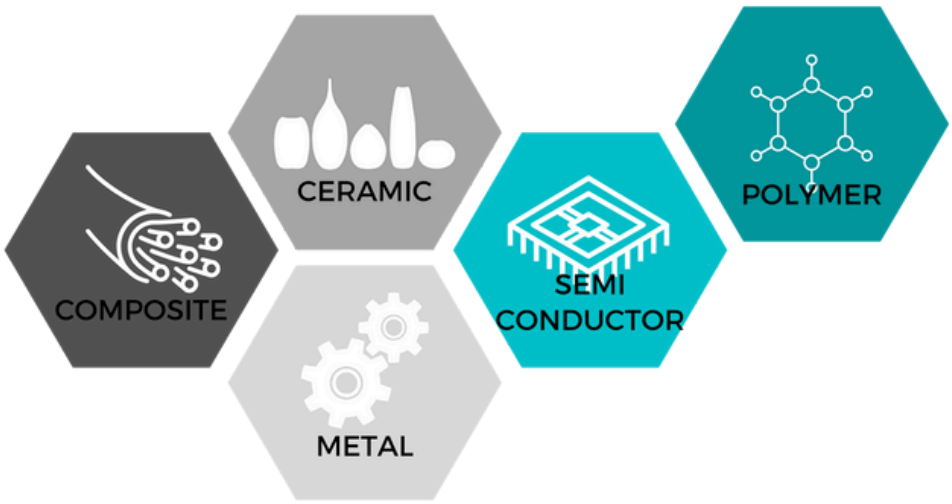
03

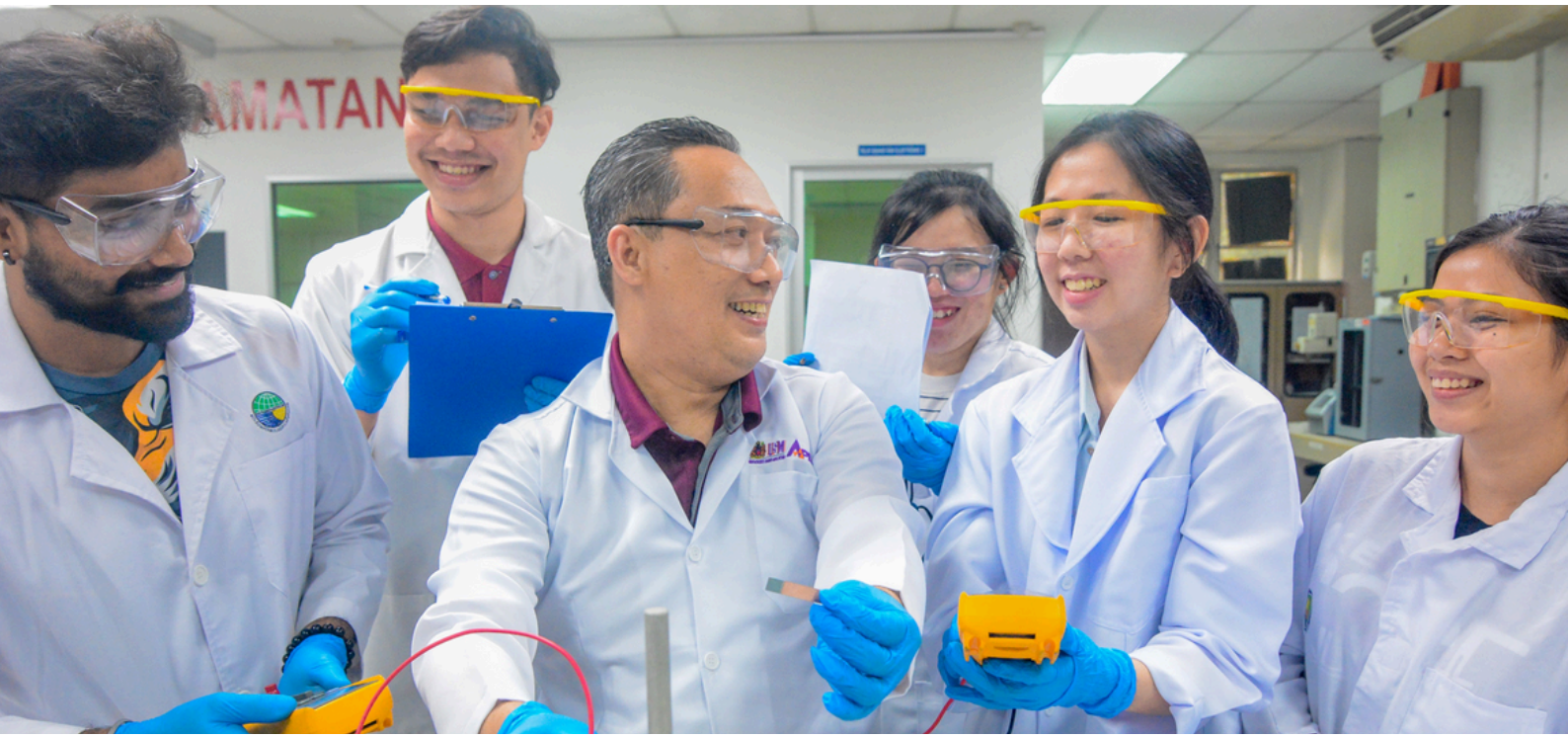
ACADEMIC PROGRAMME

3.1 PROGRAMME OVERVIEW

Materials Engineering

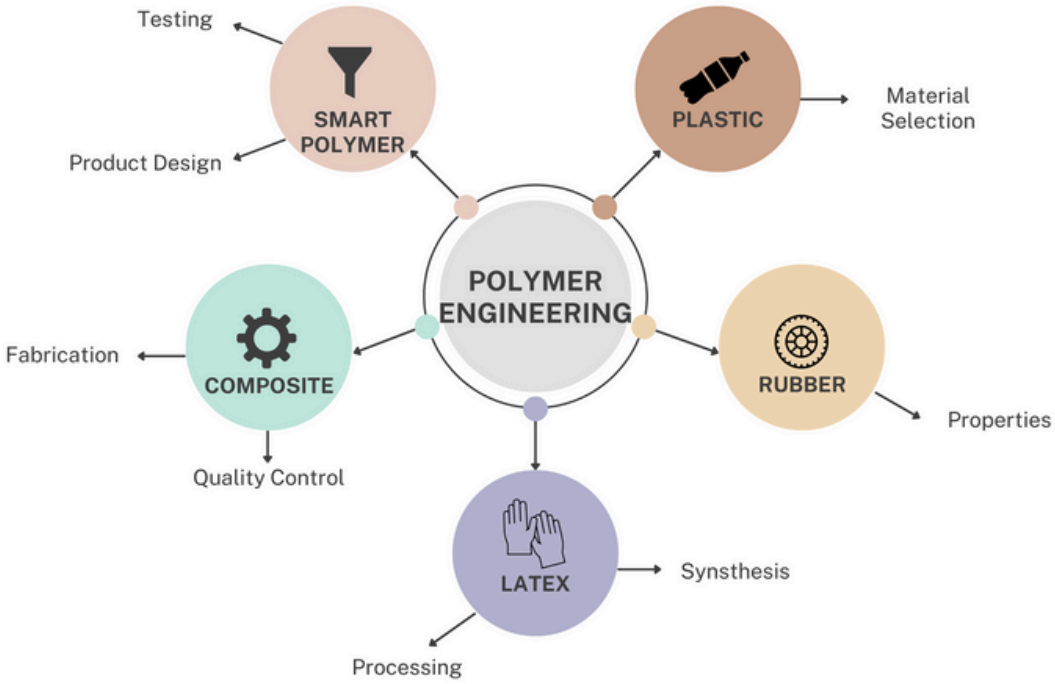
The programme covers multidisciplinary materials synthesis, product development and fabrication for semiconductor, oil and gas, steel, advanced composite, polymer, ceramic and biomedical industries.





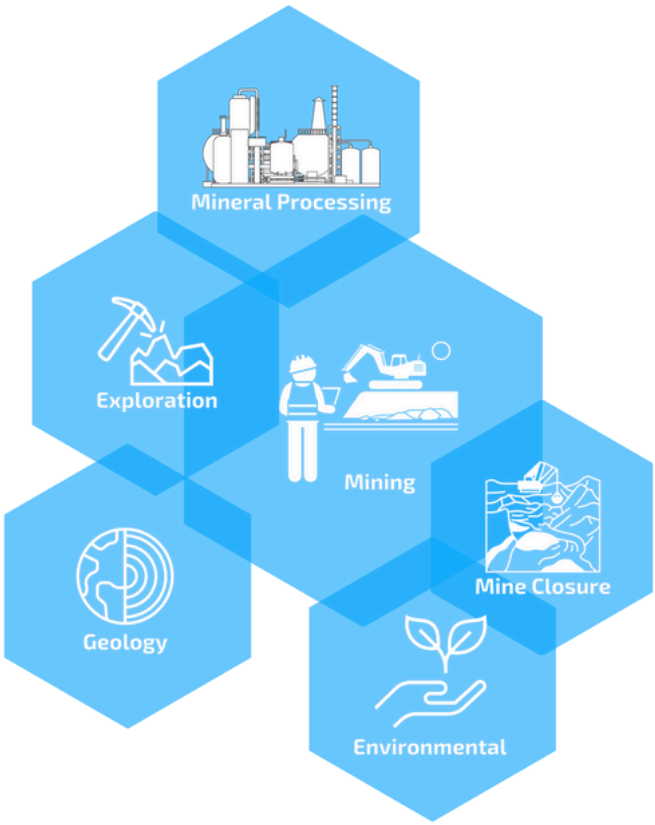
Polymer Engineering

The programme focuses on synthesis of new polymers, processing of polymetric materials and development of polymer product in the fields of electronics, medical, aeronautics, automotive and oil & gas.



Mineral Resources Engineering

The only programme in Malaysia that offers specialization in mining and/or quarrying and processing of metallic and non-metallic minerals through conventional and advanced technologies.



3.2 PEO & PLO

3.2.1 PEO of Master Science (Research Mode).

With the mission of the School of Materials and Mineral Resources Engineering, the Bachelor of Science in Materials Engineering (Mixed Mode) program offers a high-quality academic program with the aim of producing graduates with the following program educational objectives (CEO):

PEO	Description of the educational objectives of the program
PEO 1	Capable of integrating concepts, theories, methods, and current knowledge to conduct quality research that benefits both the local and global community. (PLO1 - Knowledge and Understanding, PLO2 - Cognitive Skills)
PEO 2	Graduates who are skilled in analyzing problems critically and accurately and capable of exploring creative and innovative solutions through various modern digital platforms. (PLO3 - Practical Skills, PLO6 - Digital Skills, PLO7 - Numeracy Skills)
PEO 3	Practicing professional, sustainable, and ethical values in fulfilling responsibilities to employers, society, and the nation. (PLO11 - Ethics & Professionalism, PLO8 - Leadership, Autonomy& Responsibility)
PEO 4	Possess effective and confident communication skills in conveying knowledge orally and in writing and be able to apply entrepreneurial mindsets and skills in research work. (PLO5 - Communication Skills, PLO10 - Entrepreneurial Skills)
PEO 5	Capable of exploring new knowledge and cross-disciplinary collaboration that impacts the socio-economic development and sustainability of society and the nation. (PLO4 - Interpersonal Skills, PLO9 - Personal Skills)

PEO of Doctor of Philosophy (PhD).

With the mission of the School of Materials and Mineral Resources Engineering, the Doctor of Philosophy program is designed to produce graduates who fulfill the following objectives:

PEO	Description of the educational objectives of the program
PEO 1	Capable of integrating concepts, theories, methods, and current knowledge to conduct high-quality research that benefits both the local and global community. (PLO1 – Knowledge and Understanding, PLO2 – Cognitive Skills)
PEO 2	Field experts who are skilled in critically and accurately analyzing problems and capable of exploring creative and innovative solutions using the latest digital platforms. (PLO3 – Practical Skills, PLO6 – Digital Skills, PLO7 – Numeracy Skills)
PEO 3	Field experts who practice professional, sustainable, and ethical values in fulfilling responsibilities to employers, society, and the nation. (PLO11 - Ethics & Professionalism, PLO8 – Leadership, Autonomy & Responsibility)
PEO 4	Possess effective and confident communication skills in conveying knowledge orally and in writing and be able to apply entrepreneurial mindsets and skills in research work. (PLO5 - Communication Skills, PLO10 - Entrepreneurial Skills)
PEO 5	Capable of generating new knowledge through high-performance research and cross-disciplinary collaboration that impacts the socio-economic development and sustainability of society and the nation. (PLO4 – Interpersonal Skills, PLO9 – Personal Skills)

3.2.2 PLO of Master Science.

Students pursuing this master's degree program will have in-depth knowledge of subjects related to Materials Engineering. Students should be able to achieve the following program learning outcomes (PLO) at the end of their studies.

PLO	Description of Learning Outcomes
PLO 1- Knowledge and Understanding	Demonstrate in-depth and frontier knowledge in the Materials/ Mineral Resources/Polymer Engineering fields.
PLO 2- Cognitive skills	Apply knowledge critically and integratively to manage and solve complex Materials/ Mineral Resources/Polymer Engineering problems using various techniques, tools or skills for the purpose of producing new ideas or innovative solutions.
PLO 3- Practical skills	Demonstrate effective and innovative research skills by utilizing specialized research methods and the latest investigative techniques in the relevant field with minimal supervision
PLO 4- Interpersonal skills	Demonstrate the ability to collaborate with various parties in carrying out the research.
PLO 5- Communication skills	Present knowledge, skills, ideas, and research findings clearly using appropriate methods to various parties.
PLO 6- Digital skills	Utilize appropriate digital technology and software to analyze and enhance research findings.
PLO7- Numeracy skills	Use appropriate methods to analyze and evaluate data for the purpose of solving problems related to Materials/Mineral Resource/Polymer Engineering.
PLO 8- Leadership skills	Demonstrate leadership qualities and be responsible when collaborating with others in managing research
PLO 9- Personal skills	Demonstrate commitment to lifelong learning and personal development in the Materials/Mineral Resources/Polymer Engineering fields.

PLO 10- Entrepreneurial skills	Apply entrepreneurial skills to identify opportunities and implement projects related to the field of research.
PLO 11- Ethics and Professionalism	Comply with safety rules and instructions, and demonstrate principles, professionalism, ethics, and sustainable practices in conducting research.

PLO of Doctor of Philosophy (PhD).

PLO	Description of Learning Outcomes
PLO 1- Knowledge and Understanding	Integrate significant knowledge by using appropriate approaches to address current critical issues and generate original and impactful contributions to the Materials/Mineral Resources/Polymer Engineering fields.
PLO 2- Cognitive skills	Critically analyze and synthesize new, complex, and abstract ideas and solve contemporary issues through advanced research methods to produce original contributions that meet international standards.
PLO 3- Practical skills	Develop original, complex, and specialized research methods and techniques to address emerging problems and create high-quality solutions in the Materials/Mineral Resources/Polymer Engineering fields with minimal supervision.
PLO 4- Interpersonal skills	Demonstrate the ability to collaborate cogently with various parties in carrying out research
PLO 5- Communication skills	Present research findings, ideas, issues, and solutions clearly, confidently, and effectively to the research community, peers, and society.
PLO 6- Digital skills	Utilize digital technologies and appropriate software to support, enhance, and justify research findings.
PLO7- Numeracy skills	Validate findings by using analysis that is appropriate to the research methods to ensure that conclusions are accurate and impactful.

PLO 8- **Leadership skills**	Exhibit intellectual leadership qualities and skills in managing research and related resources.
PLO 9- **Personal skills**	Demonstrate commitment to lifelong learning and personal development in shaping future directions within the Materials/Mineral Resources/Polymer Engineering fields.
PLO 10- **Entrepreneurial skills**	Apply entrepreneurial skills to identify opportunities and implement innovative projects in related Materials/Mineral Resources and Polymer Engineering research.
PLO 11- **Ethics and Professionalism**	Comply with safety rules and instructions, ethics and professionalism, and sustainable practices as well as identify the related issues for research advancement in the Materials/Mineral Resources/Polymer Engineering fields and their impact to society.

3.3 RESEARCH FIELD & SPECIALIZATION

MATERIALS ENGINEERING

Metal & Corrosion

Alloy, coating, light weight alloy, corrosion-protection, lead-free solder, metal-implant, metal joining and high temperature oxidation

Ceramic & Glass

Advanced ceramic, bioceramics, ceramic coating, glass, bioglass, glass-ceramics, ceramic scaffold and ceramic-implant

Electronic & Semiconductor

Semiconductor oxides, organic memory, photocatalytic, LED, sensors and Quantum dot

Polymer & Composite

Polymer blend, conductive polymer composite, fiber reinforced composites, Polyurethane, advanced composites and Conductive ink

Nano & Advanced Materials

Self-ordering nanostructure, sensor & biosensor, electronic applications, photocatalyst, photoactive materials, Energy Materials

POLYMER ENGINEERING

Rubber

Dry – foam, tire technology, film, blending, self healing rubber
Wet – glove technology, coating film, medical devices.

Plastic

Blending, reactive extrusion, injection moulding, rheology, biodegradable plastic.

Smart Polymer

Packaging, photolithography technology, conductive polymer, solar cell, shape memory polymer, colour changing polymer.

Composite

Natural fiber, recycled filler, hybrid filler, advanced and bio-composite.

Biopolymer

Medical application, agriculture, application, sensor technology, food packaging.

Petrochemical

Polymer reaction, molecular design, dispersion, colloid stability, pour point depressant materials development.

Additive Manufacturing

3D printing, design, modelling and simulation, materials development.

MINERAL RESOURCES ENGINEERING

GEOMINE

Geological Exploration, Ore Minerals, Industrial Mineral, UAV/Drone Mapping, Rock slope stability Analysis, Rock Mass Underground/Tunneling, Geo-Mapping, Mine Plan Design, Blasting & Mining.

REE

Exploration, Mining, Extraction & Environment

ENVIROMINE

Mine Sustainability, AMD Treatment, Acid Potential Generation Study (Geochemical Test Work), Mine Water Characterization, Circular Economy, E-waste, Industrial waste, Metal extraction, Environmental Study, Rehabilitation/reclamation, Modelling & simulation

MINERAL PROCESSING

Mineral Characterization, Beneficiation, Mineral Processing Plant Design, Modelling and Simulation of Mineral Processing Systems, Hydrometallurgy, Pyrometallurgy & Resource Recycling

3.4 EXPERTISE

https://experts.usm.my/

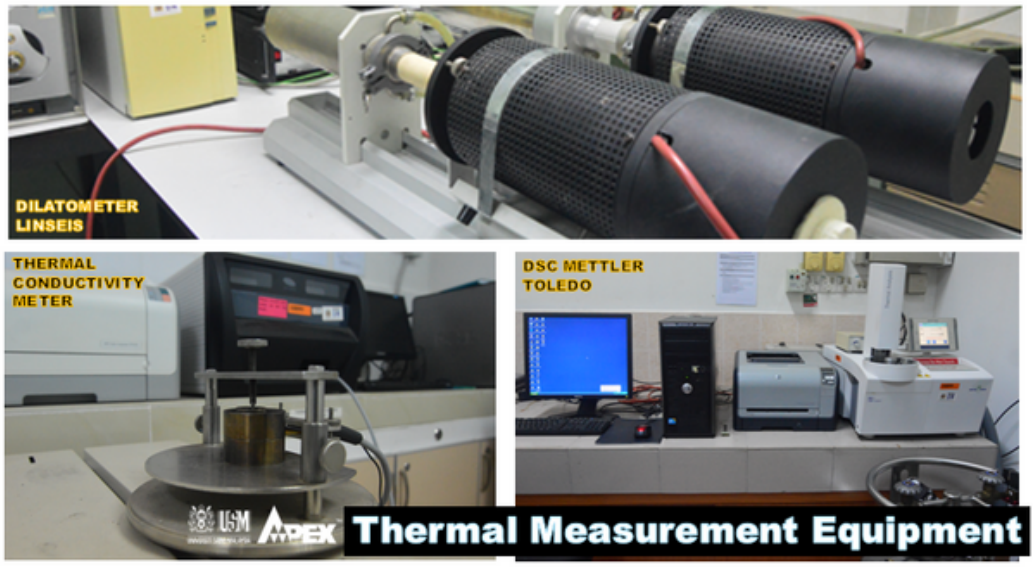
3.5 GRADUATION REQUIREMENTS

A Research Mode student must comply with the following graduation requirements:
a. Fulfill the minimum duration of candidature;
b. Pass the pre-requisite courses (if any) as determined by the School/Centre/Institute;
c. Must obtain minimum grade C for Malaysian Culture and Malay Language (LKM111).

This course is compulsory for all international students;
d. Pass the Research Methodology course;
e. Fulfill the publication requirements as below:

Program	MSc	PhD
Engineering	At least one (1) article journal, accepted or published in journals/proceedings indexed by WoS / SCOPUS	One (1) article journal, accepted by or published in a journal indexed by WoS in Q1/Q2 OR At least two (2) articles journal accepted or published in journals indexed by WoS / SCOPUS

3.6 TESTING FACILITY




DIFFERENTIAL SCANNING CALORIMETER
DIFFERENTIAL SCANNING CALORIMETER
DYNAMIC MECHANICAL ANALYSIS
THERMOGRAVIMETRIC ANALYZER
Thermal Measurement Equipment


Rheology Related Equipment
MDR RHEOMETER
CONE & PLATE RHEOMETER ANTON PAAR
VISCOMETER MOONEY


Physical Testing Equipment
IMPACT TESTER GALDABINI
MICROHARDNESS TESTER LECO
VICKERS HARDNESS TESTER FUTUTEC
UNIVERSAL TESTING MACHINE INSTRON

Materials Testing Laboratory
ISO/IEC 17025:2017

04

ACADEMIC CALENDER

ACADEMIC CALENDAR - ACADEMIC SESSION 2025/2026

Note:

i. New Coursework/Mixed/Online mode students' registration for Semester 1, 2022/2026 (October 2025) can be completed via online process from 1 September 2025 - 6 October 2025.

ii. New Coursework/Mixed/Online mode students' registration for Semester 2, 2025/2026 (March 2026) can be completed via online process from 2 February 2026 - 16 March 2026.

iii. New Research mode students' registration can be completed anytime within offer letter validity period.

SEM	WEEKS	ACTIVITIES	DATE	REMARKS
ONE	1	Teaching & Learning (T&L 7 Weeks)	Monday, 06.10.2025 - Sunday, 12.10.2025	
	2		Monday, 13.10.2025 - Sunday, 19.10.2025	
	3		Monday, 20.10.2025 - Sunday, 26.10.2025	20.10.2025, Monday - Deepavali**
	4		Monday, 27.10.2025 - Sunday, 02.11.2025	
	5		Monday, 03.11.2025 - Sunday, 09.11.2025	
	6		Monday, 10.11.2025 - Sunday, 16.11.2025	
	7		Monday, 17.11.2025 - Sunday, 23.11.2025	
	8	Mid Semester Break (1 Week)	Monday, 24.11.2025 - Sunday, 30.11.2025	
	9	Teaching & Learning (T&L 7 Weeks)	Monday, 01.12.2025 - Sunday, 07.12.2025	
	10		Monday, 08.12.2025 - Sunday, 14.12.2025	
	11		Monday, 15.12.2025 - Sunday, 21.12.2025	
	12		Monday, 22.12.2025 - Sunday, 28.12.2025	25.12.2025, Thursday - Christmas Day
	13		Monday, 29.12.2025 - Sunday, 04.01.2026	01.01.2026, Thursday - New Year of 2025
	14		Monday, 05.01.2026 - Sunday, 11.01.2026	
	15		Monday, 12.01.2026 - Sunday, 18.01.2026	
	16	Revision Week (1 Week)	Monday, 19.01.2026 - Sunday, 25.01.2026	
	17	Examination (3 Weeks)	Monday, 26.01.2026 - Sunday, 01.02.2026	01.02.2026, Sunday - Thaipusam
	18		Monday, 02.02.2026 - Sunday, 08.02.2026	02.02.2026, Sunday - Replacement leave for Thaipusam (Main & Engineering Campus)
	19		Monday, 09.02.2026 - Sunday, 15.02.2026	
	20	Mid Semester Break / Industrial Training (4 Weeks)	Monday, 16.02.2026 - Sunday, 22.02.2026	17 & 18.02.2026, Tuesday & Wednesday - Chinese New Year 19.02.2026, Thursday - 1st day of Ramadhan
	21		Monday, 23.02.2026 - Sunday, 01.03.2026	
	22		Monday, 02.03.2026 - Sunday, 08.03.2026	07.03.2026, Saturday - Nuzul Al-Quran
	23		Monday, 09.03.2026 - Sunday, 15.03.2026	
TWO	24/1	Teaching & Learning (T&L 7 Weeks)	Monday, 16.03.2026 - Sunday, 22.03.2026	21.03.2026 & 22.03.2026, Saturday & Sunday - Eid al-Fitr**
	25/2		Monday, 23.03.2026 - Sunday, 29.03.2026	23.03.2026, Monday - Replacement leave for Eid al-Fitr****
	26/3		Monday, 30.03.2026 - Sunday, 05.04.2026	
	27/4		Monday, 06.04.2026 - Sunday, 12.04.2026	
	28/5		Monday, 13.04.2026 - sunday, 19.04.2026	
	29/6		Monday, 20.04.2026 - Sunday, 26.04.2026	
	30/7		Monday, 27.04.2026 - Sunday, 03.05.2026	01.05.2026, Friday - Labour Day
	31/8	Mid Semester Break (1 Week)	Monday, 04.05.2026 - Sunday, 10.05.2026	
	32/9	Teaching & Learning (T&L 7 Weeks)	Monday, 11.05.2026 - Sunday, 17.05.2026	
	33/10		Monday, 18.05.2026 - Sunday, 24.05.2026	
	34/11		Monday, 25.05.2026 - Sunday, 31.05.2026	27 & 28.05.2026, Wednesday & Thursday - Eid al-Adha** 31.05.2026, Sunday - Wesak Day
	35/12		Monday, 01.06.2026 - Sunday, 07.06.2026	01.06.2026, Monday - Replacement leave for Wesak Day (Main & Engineering Campus) 01.06.2026, Monday - Yang di-Pertuan Agong's Birthday
	36/13		Monday, 08.06.2026 - Sunday, 14.06.2026	
	37/14		Monday, 15.06.2026 - Sunday, 21.06.2026	17.06.2026, Wednesday - Awal Muharram
	38/15		Monday, 22.06.2026 - Sunday, 28.06.2026	
	39/16	Revision Week (1 Week)	Monday, 29.06.2026 - Sunday, 05.07.2026	
	40/17	**Examination (2 Weeks) / Examination (3 Weeks)	Monday, 06.07.2026 - Sunday, 12.07.2026	07.07.2026, Tuesday - Georgetown World Heritage City Day 11.07.2026, Saturday - Penang Governor's Birthday
	41/18		Monday, 13.07.2026 - Sunday, 19.07.2026	
	42/19		Monday, 20.07.2026 - Sunday, 26.07.2026	
COURSES DURING LONG BREAK / SEMESTER BREAK	43/20	Long Semester Break / Industrial Training (10/11 Weeks)	Monday, 27.07.2026 - Sunday, 02.08.2026	
	44/21		Monday, 03.08.2026 - Sunday, 09.08.2026	
	45/22		Monday, 10.08.2026 - Sunday, 16.08.2026	
	46/23		Monday, 17.08.2026 - Sunday, 23.08.2026	
	47/24	*T&L	Monday, 24.08.2026 - Sunday, 30.08.2026	25.08.2026, Tuesday - Maulidur Rasul
	48/25		Monday, 31.08.2026 - Sunday, 06.09.2026	31.08.2026, Monday - National Day
	49/26	Examination	Monday, 07.09.2026 - Sunday, 13.09.2026	
	50/27		Monday, 14.09.2026 - Sunday, 20.09.2026	16.09.2026, Wednesday - Malaysia Day
	51/28		Monday, 21.09.2026 - Sunday, 27.09.2026	29 & 30.09.2026, Tuesday & Wednesday - Sultan of Kelantan's Birthday (Health Campus)
	52/29		Monday, 28.09.2026 - Sunday, 04.10.2026	

**This Academic Calendar is subject to change

05
DIRECTORY

5.1 ADMINISTRATIVE

DEAN
Prof. Ts. Dr. Zulkifli Bin Mohamad Ariff
6100/5262 zulariff@usm.my

DEPUTY DEAN (Academic,Career &International)
Dr. Suhaina Binti Ismail
6102/6180 suhaina@usm.my

DEPUTY DEAN (Research, Innovation & Industrial-Community Engagement)
Assoc. Prof. Dr. Khairul Anuar b. Shariff
6103/6122 biokhairul@usm.my

PROGRAMME CHAIRMAN (Materials Engineering)
Dr. Syazana Binti Ahmad Zubir
5263 syazanazubir@usm.my

PROGRAMME CHAIRMAN (Mineral Resources Engineering)
Dr. Nurul'ain Binti Jabit
6124 ainjabit@usm.my

PROGRAMME CHAIRMAN (Polymer Engineering)
Assoc. Prof. Ir. Ts. Dr. Zuratul Ain Binti Abdul Hamid
6153 srzuratulain@usm.my

MANAGER OF CORPORATE AFFAIRS & POSITIONING
Dr. Mohamad Danial Shafiq
6129 danialshafiq@usm.my

SENIOR ASSISTANT REGISTRAR
Mrs. Normala bt. Omar
6168 normala@usm.my

ASSISTANT REGISTRAR
Mrs. Nurintan Syuhada Halim
6105 intansyuhada@usm.my

SENIOR ASSISTANT ENGINEER
Mr. Khairul Nasrin Abas
6120 srkhairul@usm.my

5.2 ACADEMIC STAFF

NAME	TEL. EXT	EMAIL
Prof. Ts. Dr. Zulkifli Bin Mohamad Ariff	6100	zulariff@usm.my
Prof. Ir. Dr. Mariatti Binti Jaafar @ Mustapha	5000	mariatti@usm.my
Prof. Dr. Azura Binti A. Rashid	6111	srazura@usm.my
Prof. Ir. Dr. Cheong Kuan Yew	5259	srcheong@usm.my
Prof. Dr. Chow Wen Shyang	6160	shyang@usm.my
Prof. Dr. Hazizan Bin Md Akil	6161	hazizan@usm.my
Prof. Dr. Khairunisak Binti Abdul Razak	6126	khairunisak@usm.my
Prof. Ir. Dr. Srimala A/p Sreekantan	5255	srimala@usm.my
Prof. Ir. Ts. Dr. Zuhailawati Binti Hussain	5258	zuhaila@usm.my
Prof. Dr. Zainovia Binti Lockman	6178	zainovia@usm.my
Prof. Dr. Ahmad Azmin Bin Mohamad	6118	aam@usm.my
Assoc. Prof. Dr. Khairul Anuar Bin Shariff	6103	biokhairul@usm.my
Assoc. Prof. Ir. Dr. Nurulakmal Binti Mohd Sharif	6180	srnurul@usm.my
Assoc. Prof. Ir. Ts. Dr. Anasyida Bt Abu Seman @ Hj Ahmad	5216	anasyida@usm.my
Assoc. Prof. Ts. Dr. Ku Marsilla Binti Ku Ishak	5266	ku_marsilla@usm.my
Assoc. Prof. Dr. Raa Khimi Bin Shuib	6183	raakhimi@usm.my
Assoc. Prof. Ts. Dr. Yanny Marliana Binti Baba Ismail	6154	yannymarliana@usm.my
Assoc. Prof. Dr. Hashim Bin Hussin	6114	srhashim@usm.my
Assoc. Prof. Ir. Ts. Dr. Hasmaliza Bt Mohamad	5263	hasmaliza@usm.my
Assoc. Prof. Ir. Dr. Nadras Binti Othman	6177	srnadras@usm.my
Assoc. Prof. Ir. Ts. Dr. Pung Swee Yong	5215	sypung@usm.my
Assoc. Prof. Dr. Razaina Binti Mat Taib	6123	razaina@usm.my
Assoc. Prof. Ir. Dr. Syed Fuad Bin Saiyid Hashim	6181	mrsyfuad@usm.my
Assoc. Prof. Dr. Yeoh Fei Yee	6175	feiyee@usm.my
Assoc. Prof. Dr. Khatijah Aisha Binti Yaacob	5267	mraisha@usm.my

5.2 ACADEMIC STAFF

NAME	TEL. EXT	EMAIL
Assoc. Prof. Dr. Hareyani Binti Zabidi	6124	srhareyani.zabidi@usm.my
Assoc. Prof. Dr. Norazharuddin Shah Bin Abdullah	5261	azhar.abdullah@usm.my
Assoc. Prof. Ir. Ts. Dr. Mohd Hazizan Bin Mohd Hashim	6109	mohd_hazizan@usm.my
Assoc. Prof. Ir. Ts. Dr. Zuratul Ain Binti Abdul Hamid	6153	srzuratulain@usm.my
Assoc. Prof. Dr. Tuti Katrina Binti Abdullah	5768	tutikatrina@usm.my
Ts. Dr. Arjulizan Binti Rusli	6132	arjulizan@usm.my
Ir. Dr. Mohamad Riduwan Bin Ramli	6174	riduwan@usm.my
Ts. Dr. Muhamed Abdul Fatah Bin Muhamed Mukhtar	6116	fatahmukhtar@usm.my
Ir. Dr. Muhammad Khalil Bin Abdullah @ Harun	6171	mkhalil@usm.my
Dr. Suhaina Binti Ismail	6102	suhaina@usm.my
Dr. Syazana Binti Ahmad Zubir	6193	syazanazubir@usm.my
Dr. Nurul'ain Binti Jabit	6119	ainjabit@usm.my
Dr. Mohamad Danial Shafiq	6131	danialshafiq@usm.my
Dr. Nurazreena Bt Ahmad	6117	nurazreena@usm.my
Dr. Shah Rizal Bin Kasim	6172	srshahrizal@usm.my
Dr. Sheikh Abdul Rezan Bin S. Abdul Hamid	5256	srsheikh@usm.my
Dr. Sivakumar A/l Ramakrishnan	6110	srsivakumar@usm.my
Dr. Zakaria Bin Endut	5225	zakaria.endut@usm.my
Ts. Dr. Ku Esyra Hani Binti Ku Ishak	6125	kuesyrahani@usm.my
Ts. Dr. Muhamad Sharan Bin Musa	6107	sharanmusa@usm.my
Dr. Muhammad Irman Khalif Bin Ahmad Aminuddin	6187	irmankhalif@usm.my

5.2 RESEARCH OFFICER

NAME	TEL. EXT	EMAIL
Dr. Mohd Nazri b. Idris	6131	srmnazri@usm.my
Dr. Nik Akmar b. Rejab	6187	akmarnik@usm.my

5.3 VOCATIONAL TRAINING OFFICER

NAME	TEL. EXT	EMAIL
Mrs. Hasliza bt. Mat Saad	6119	srhasliza@usm.my
Ir. Mohamad Azwan b. Mad Naser	6131	srazwan@usm.my
Mrs. Suhani bt. Abdullah	6130	srsuhani@usm.my

5.3 ADMIN STAFF

NAME	TEL. EXT	EMAIL
Mrs. Normala Binti Omar	6168	normala@usm.my
Ms. Nurintan Syuhada Binti Halim	6105	intansyuhada@usm.my
Mrs. Sharmila Azlin Binti Ramly	6101	azlynn@usm.my
Mr. Muhammad Adam Haikal Bin Mohd Raffil	6104	adamhaikal@usm.my
Mrs. Nurul Masfirah Binti Abd Rahim	6186	masfirah@usm.my
Ms. Badilah Binti Baharom	6169	chdilah@usm.my
Mr. Mohd Ali Bin May	6196	alimay@usm.my
Mrs. Nurshalydah Binti Salleh	6106	cenursha@usm.my
Mrs. Zaliha Binti Othman	6186	jzaleha@usm.my
Mrs. Maslina Binti Che Ahmat	6196	cemaslina@usm.my
Mrs. Najmah Binti Sabri	6106	najmah@usm.my
Mr. Mohamad Syamirul Hakim Bin Abdullah	6196	syamirulhakim@usm.my

5.2 TECHNICAL STAFF

NAME	TEL. EXT	EMAIL
Mrs. Haslina Binti Zulkifli	6140	srhaslina@usm.my
Mr. Junaidi Bin Ramli	6142	junaidi1@usm.my
Mrs. Kamsiah Binti Ishak	6144	kamsiah_ishak@usm.my
Mr. Syahiran Bin Ibrahim	6143	syahiran_94@usm.my
Mr. Mohammad Firdaus Bin Fauzi	6152	firdausffauzi97@usm.my
Mr. Syed Saifuddin Bin Syed Mohamad	6184	saifuddin@usm.my
Mr. Khairul Nasrin Bin Abas	6120	srkhairul@usm.my
Ms. Ummi Hani Binti M.rozlin	6137	hanirozlin@usm.my
Ms. Mahani Binti Mohd	6170	srmahani@usm.my
Mr. Meor Mohamad Noh Bin Abdul Majid	6143	meor@usm.my
Mr. Mohamad Hasnor Bin Husin	6133	hasnor@usm.my
Mr. Mohamad Syafiq Bin Mustapa Sukri	6149	apit@usm.my
Mr. Mohamad Zaini Bin Saari	6136	srmzaini@usm.my
Mr. Mohammad Azrul Bin Zainol Abidin	6134	srazrul@usm.my
Mr. Mohd Azam Bin Rejab	6145	srazam@usm.my
Mr. Mohd Faizal Bin Mohd Kassim	6163	srfaizal@usm.my
Mr. Mohd Farid Bin Abdul Rahim	6143	fareed@usm.my
Mr. Mohd Halim Bin Hassan	6190	srhalim@usm.my
Mr. Mohd Helmi Bin Khir	6192	srhelmi@usm.my
Mr. Mohd Sayuti Bin Azeman	6191	srmsayuti@usm.my
Mr. Mohd Suharudin Bin Sulong	6184	suharudin@usm.my
Mr. Muhammad Khairi Bin Khalid	6139	srkhairi@usm.my
Mr. Norshahrizol Bin Nordin	6192	shahrizol@usm.my
Mr. Saarani Bin Ijak	5292	saarani@usm.my
Mr. Shahril Amir Bin Salleh	6192	mrshahril@usm.my
Mr. Zulkarnain Bin Hasbolah	6144	mrzul@usm.my
Mr. Muhammad Sofi Bin Jamil	6162	msofi@usm.my

Thank You

Contact Information

Phone 604-599 6101/6105

Website https://material.eng.usm.my/

Email smmreinfo.usm.my

Address School of Material and Mineral Resources Engineering, Kampus Kejuruteraan, Universiti Sains Malaysia , Nibong Tebal, 14300 Seberang Prai Selatan ,Pulau Pinang