UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Malaysia-Japan International Institute of Technology (MJIIT)

POSTGRADUATE (PG)

ACADEMIC GUIDELINES

2026 / 2027

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PRELIMINARIES

This handbook is designed to equip students with information regarding Full-time Postgraduate Degree Program at MJIIT, Universiti Teknologi Malaysia. It is anticipated that the information given will guide the students on their academics and campus activities throughout their study at MJIIT. The information or contents of this handbook are accurate at the time of printing. Any enquiry regarding the academic guideline handbook should be addressed to:

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UTM PHILOSOPHY

TAGLINE, VISION, MISSION AND CORE VALUES

Philosophy

The divine law of Allah is the foundation of knowledge. In line with His Will, UTM strives with total commitment to attain excellence in science, technology and engineering for the well-being and prosperity of mankind

Tagline

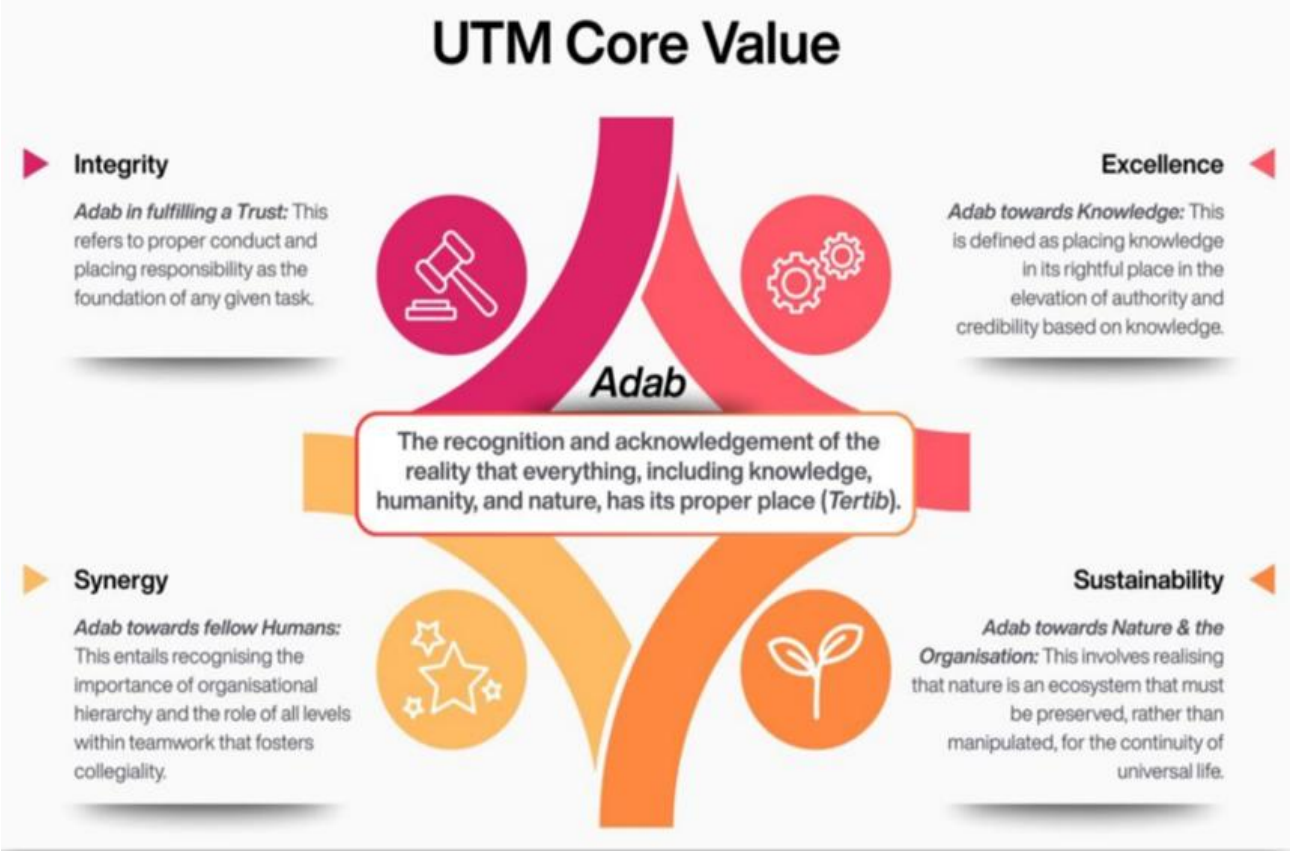
Innovating Sustainable Solutions

Vision

A Premier University Providing World-Class Education and Research

Mission

To Develop Global Talents and Prosper Lives Through Knowledge and Innovative Technologies


UTM Core Value
Integrity
Adab in fulfilling a Trust: This refers to proper conduct and placing responsibility as the foundation of any given task.
Excellence
Adab towards Knowledge: This is defined as placing knowledge in its rightful place in the elevation of authority and credibility based on knowledge.
Adab
The recognition and acknowledgement of the reality that everything, including knowledge, humanity, and nature, has its proper place (Tertib).
Synergy
Adab towards fellow Humans: This entails recognising the importance of organisational hierarchy and the role of all levels within teamwork that fosters collegiality.
Sustainability
Adab towards Nature & the Organisation: This involves realising that nature is an ecosystem that must be preserved, rather than manipulated, for the continuity of universal life.

MJIIT VISION & MISSION

VISION

A global hub of excellence in education, research, and societal advancement, driven by Malaysia-Japan blended approach

MISSION

To develop competent talent and enrich a resilient society through sustainable innovation and strategic partnerships

TAGLINE

Global Excellence • Shared Values • Sustainable Future

MJIIT 5 Core Values

Shinrai (信頼)

“Shinrai” (信頼) is a Japanese word that means “trust” or “reliance.” It can refer to mutual trust between people, confidence in someone’s abilities, or faith in a system or institution.

Chousen (挑戦)

“Chousen” (挑戦) is a Japanese word that means “challenge” or “attempt.” It is often used when someone takes on a difficult task or strives to achieve something new.

Jissen (実践)

“Jissen” (実践) is a Japanese word that means “practice” or “putting into practice.” It refers to applying knowledge, skills, or theories in real-world situations rather than just learning them in theory.

Kenkyo (謙虚)

“Kenkyo” (謙虚) is a Japanese word that means “humility” or “modesty.” It refers to an attitude of being humble, not boastful, and showing respect for others.

Kizukai (気遣い)

“Kizukai” (気遣い) is a Japanese word that means “consideration” or “thoughtfulness” toward others. It refers to being attentive to people’s feelings, needs, or situations and acting with kindness and care.

“**MJIIT** will win **SHINRAI** by committing **CHOUSEN** and **JISSEN** with the mindset of **KIZUKAI** and **KENKYO**“

UNIVERSITI TEKNOLOGI MALAYSIA

UTM Kuala Lumpur (UTMKL) is a graduate campus of Universiti Teknologi Malaysia (UTM), and is under the same corporate structure as its main campus in Johor Bahru, Johor. UTMKL is a semi-autonomous campus headed by a Pro-Vice-Chancellor, located at the center of Kuala Lumpur city.

UTMKL is in its own local community affiliated with UTM, offers leading-edge programmes at bachelor and graduate degree levels and provides services both locally and internationally. In the current academic session, the UTMKL is offering full-time undergraduate and postgraduate programmes under its three major schools: Faculty of Artificial Intelligence (FAI), The Azman Hashim International Business School (AHIBS) and The Malaysia Japan International Institute of Technology (MJIIT). Some of these schools also offer part-time executive programmes for working professionals. In addition, part-time and modular programmes are run by UTMSPACE (The School for Professional and Continuing Education).

There are several centres of excellence in UTMKL which carry out research activities and also offer some academic programmes. Other major supporting units include the branch offices of Innovation & Commercialization Center (ICC), School for Graduate Studies (SPS) and UTM International. Their presence in the Campus would be supportive of the Campus key results areas and its strategic objectives.

UTMKL has developed a long term plan to leverage on the full advantage of its location in the urban Kuala Lumpur, cultivating on attractions and characteristics unavailable in the Main Campus. Its mission to showcase UTM in the fields of science and technology and offer cross-disciplinary programmes with international outlook and industry-driven as an international reference centre for the global communities

MALAYSIA-JAPAN INTERNATIONAL INSTITUTE OF TECHNOLOGY

The Malaysia-Japan International Institute of Technology (MJIIT), which was established in 2010 as a Government-to-Government Project at Universiti Teknologi Malaysia (UTM), is the culmination of Malaysia's Look East Policy that manifests a unique education project between Malaysia and Japan. Japan has formed a consortium of 29 Universities and has dispatched Japanese lecturers and professors to MJIIT providing a significant piquant of the Japanese-oriented engineering program for Malaysian and international students. The interaction between two countries were strengthened by sending exchange students to Japan, setting up training programs at Japanese companies and partnering with Japanese Universities through various academic cooperation. The MJIIT Project was one of the major ways to contribute towards enhancing bilateral relations between the two governments. It is also anticipated that with the establishment of MJIIT, Malaysian has benefited from new technology introduced by Japan.

MJIIT combines the advantage of the Malaysian systematic outcome-based education with the research-intensive approach of Japanese education outlook. The relatively autonomous nature of MJIIT allows for greater innovation and creativity among its academic staff and students. It is the desire of MJIIT to produce knowledgeable human capital towards the advancement and development of state-of-the-art technology and processes while safeguarding the environment. The blend of Malaysian, Japanese as well as other international professors, who engaged extensively in research, combined with students' diversity created continuity in global experiences within the campus environment. MJIIT works closely with Japanese universities and industries to create a distinctive working culture and employs a holistic approach in its program offerings. MJIIT does not only focuses on Malaysian students but also welcomes students from Asian and foreign countries, aiming to be the Japanese-oriented engineering hub in Asia. Presently, MJIIT offers five (5) undergraduate programmes namely Bachelor of Electronic Systems Engineering with Honours, Bachelor of Mechanical Precision Engineering with Honours, Bachelor of Chemical Process Engineering with Honours, Bachelor of Software Engineering with Honours and Bachelor of Science (Industrial Mathematics) with Honours.

MESSAGE FROM DEAN

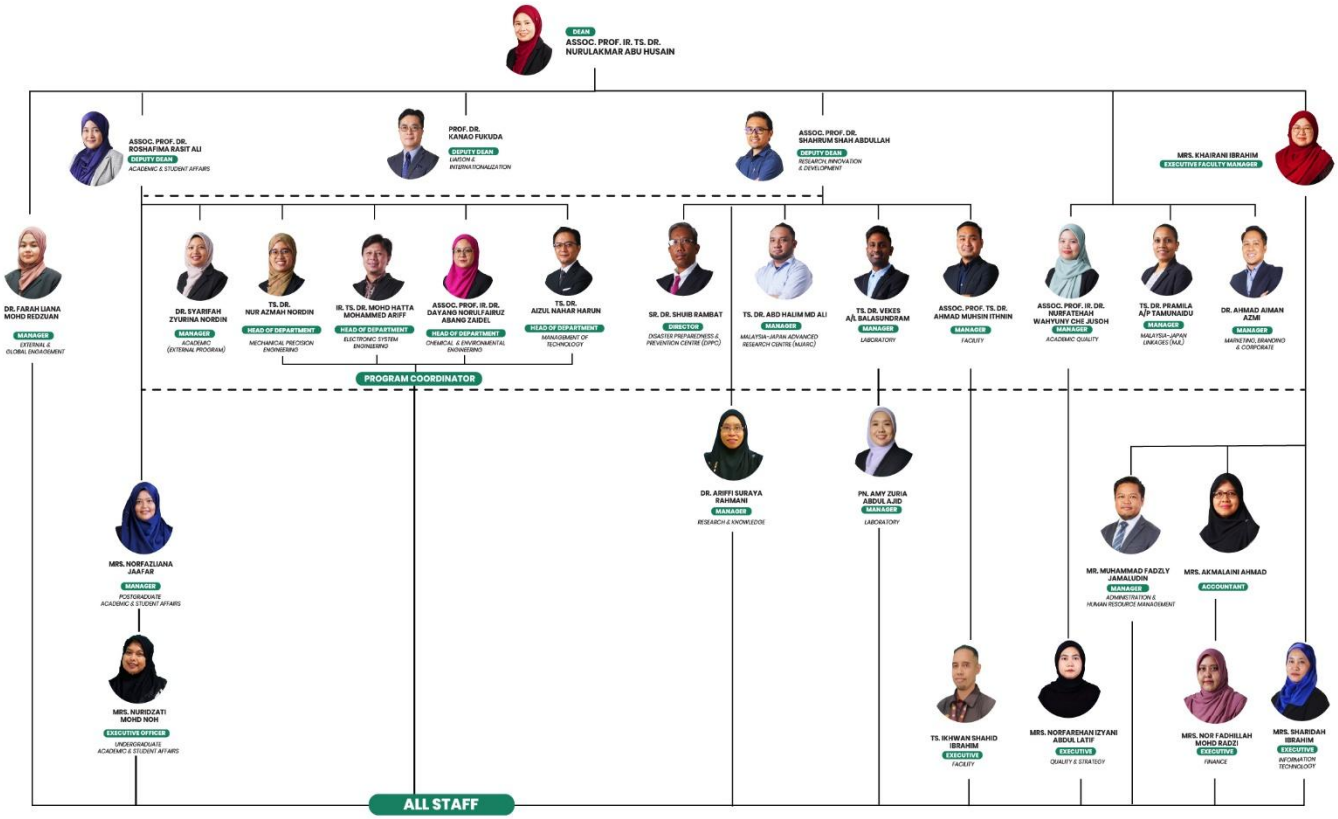
Assalammualaikum, Salam Sejahtera, Konnichiwa

My heartiest congratulations and warmest welcome to all students to Malaysia-Japan International Institute of Technology (MJIIT), Universiti Teknologi Malaysia (UTM). MJIIT UTM is located in Kuala Lumpur which is preparing to become world leading Japanese-oriented engineering education hub with support from the Higher Education Department, Ministry of Education, Malaysia, Japan International Cooperation Agency (JICA) and more than 29 Japanese Universities through the Japanese University Consortium (JUC). Our Japanese-oriented engineering education utilizes the K.E.S. (Knowledge-Experience and Self-study) pedagogy concept of teaching and learning which focuses more on classroom learning in early years and learning through experience and self-study in later years. The well-known 5S concept and Kaizen are incorporated in learning cultures at MJIIT, aim to inculcate important values highly sought in today's world including team working, responsible and resilience.

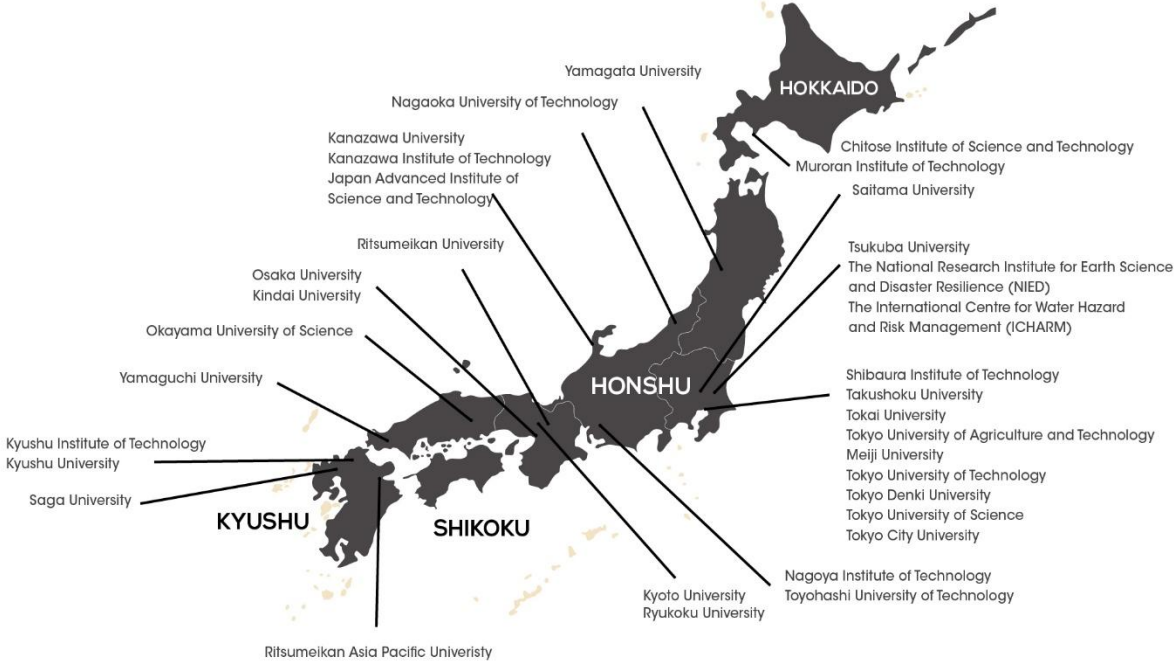
MJIIT provides state-of-the-art facilities for postgraduate students comprising of well-established research laboratories under the auspices of innovative research laboratories (iKohza) featuring the unique mentoring concept of senpai-kohai (senior and junior mentoring). Junior members are nurtured and closely supported by their seniors, combining collegial collaboration and continuous guidance from professors and senior members of the iKohza. We have close collaboration with industries such as Takasago Ltd., Daiichi and Mitsubishi Heavy Industries Asia Pacific LTE Ltd, Kantsu Ltd and Leave a Nest to support our learning and research ecosystems. On behalf of the MJIIT family, I wish you successful academic endeavours throughout your study at MJIIT. Don't forget to experience the UTM lifestyle while at the same time mastering the Japanese-oriented engineering education with us!

ASSOC. PROF. IR. TS. DR. NURULAKMAR ABU HUSAIN

MJIIT MANAGEMENT ORGANIZATION CHART



JAPANESE UNIVERSITY CONSORTIUM



33 MEMBERS

UNIQUENESS OF MJIIT

1 **QUALITY** *EDUCATION*

100%
ACCREDITED
BY ENGINEERING
ACCREDITATION COUNCIL
MALAYSIA

2 **FINANCIAL** *SUPPORT*

UP TO ***RM 5 MILLION***
OF SCHOLARSHIP
FOR UG & PG (FULL & PARTIAL)

3 **JAPANESE** *STYLE EDUCATION*

I - KOHZA, RINKOH
5S, MONOZUKIRI
NINGEN - RYOKU
SENPAI - KOHAI
JAPANESE LANGUAGE CLASSES
JAPANESE ACADEMIC STAFFS

4 **WORLD** *RANKING*

TOP 40
BEST UNIVERSITIES IN ASIA
(QS WORLD UNIVERSITY RANKINGS)

5 **JAPANESE** *GOVERNMENT SUPPORT*

JICA
JACTIM
RESEARCH GRANTS
SCHOLARSHIPS
VARIETY OF EXCHANGE PROGRAMS

6 **JAPANESE** *MOBILITY PROGRAMS*

GLOBAL MOBILITY PROGRAM
SAKURA SCIENCE PROGRAM
JENESYS PROGRAM
INDUSTRIAL TRAINING IN JAPAN
JOINT DEGREES & SUPERVISIONS

7 **STATE-OF-THE-ART** *LABORATORIES*

76 LABS
5 SERVICE LABS
20 *I*-KOHZAS (RESEARCH GROUPS)
9 SANGAKU - RENKEI LABS

8 **EXCLUSIVE** *PARTNERSHIPS*

WITH ***30***
JAPANESE UNIVERSITIES
(THE JAPANESE UNIVERSITY
CONSORTIUM)
& JAPANESE INDUSTRIES

9 **EMPLOYABILITY**

98% GRADUATE
EMPLOYABILITY WITH
JAPANESE FIRMS IN JAPAN,
MALAYSIA & OTHER REGIONS
ANNUAL JOB FAIRS WITH
JAPANESE COMPANIES

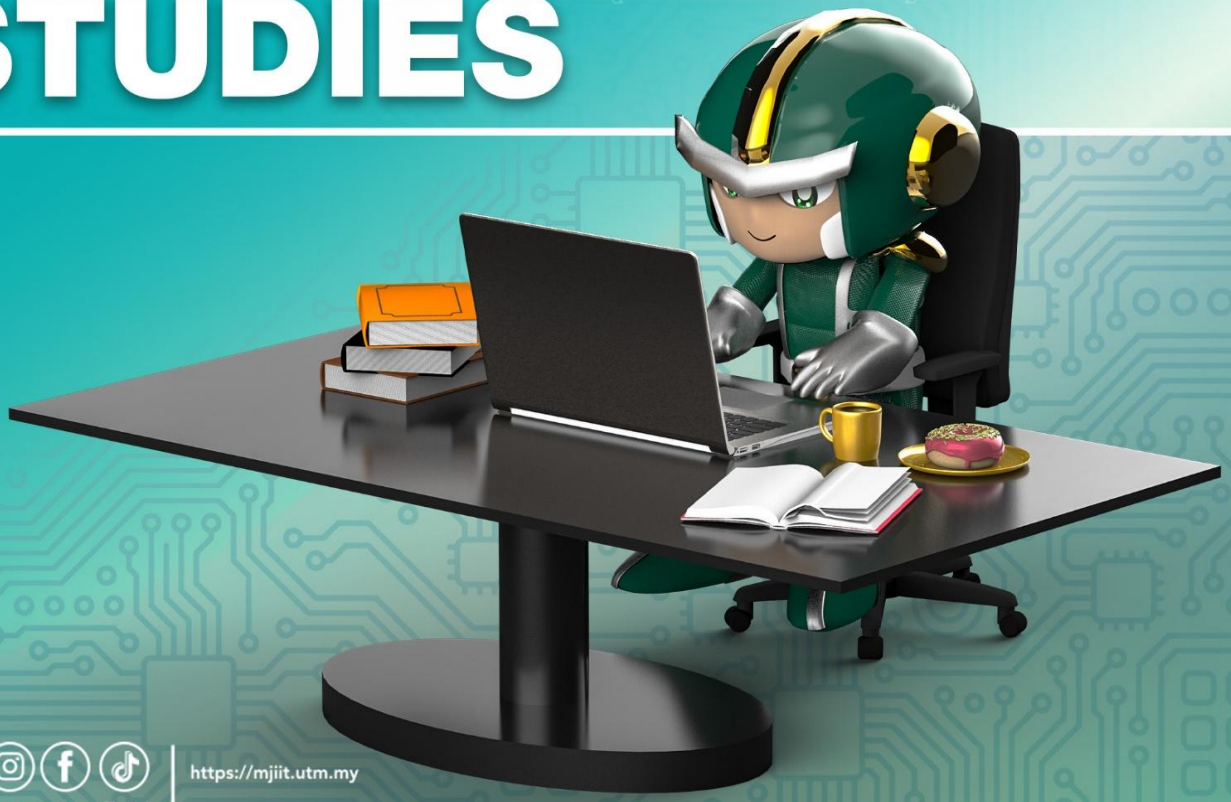
10 **ACCOMMODATION**

ON-CAMPUS ACCOMODATION
AVAILABLE

UTM UNIVERSITI TEKNOLOGI MALAYSIA | Malaysia-Japan International Institute of Technology (MJIIT)

POSTGRADUATE (PG) ACADEMIC GUIDELINES **2026 / 2027**

POSTGRADUATE STUDIES



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POSTGRADUATE RESEARCH

All postgraduate students are attached to research group and participated in research activities. Therefore, to equip the students and accelerate them on their research, MJIIT offers the i-Kohza system. This i-Kohza is led by a senior academic member with group members comprising of academics and researchers of similar interests, and students as junior members. Here the students will be exposed to the high-end equipment and engage in independent and life-long learning in the broadest context of technological change. Below is the list of i-Kohzas and the centre of excellence at MJIIT.

Below is the list of i-Kohzas and Centres of Excellence at MJIIT:

i-KOHZA
1. Advanced Devices and Materials Engineering (ADME) 2. Algae & Biomass (ALGAE) 3. Chemical Energy Conversions and Applications (ChECA) 4. Circular Process Technology for Environment and Energy (CPTEE) 5. Engineering Materials and Structures (eMast) 6. Environmental and Metabolic Engineering for Resilient and Sustainable Systems (EMERSS) 7. Intelligent Dynamics & System (IDS) 8. Perception, Robotics & Automation (PRA) 9. Smart Communication Systems (SCS) 10. Software Engineering and Industrial Revolutions (SEIR) 11. Sustainability, Innovation, Technology & Knowledge Advancement (SHINKA) 12. SHIZEN Material Conversion and Separation Technology (SHIZEN) 13. Tropical Indoor Environment Research (TIER) 14. Tribology and Precision Machining (TriPreM) 15. Takasago Thermal/Environmental Systems (TTES)

16. Vehicle System Engineering (VSE)
17. Wellness Innovation and Technology (WIT)

Centre of Excellence (COE)
1. Disaster Preparedness & Prevention Centre (DPPC)
2. Malaysia-Japan Advanced Research Centre (MJARC)

DIRECTOR OF CENTRE OF EXCELLENCE

Centre of Excellence	Director
Disaster Preparedness & Prevention Centre (DPPC)	Sr. Dr. Shuib bin Rambat
Malaysia-Japan Advanced Research Centre (MJARC)	Ts. Dr. Abd Halim bin Md Ali

HEAD OF i-KOHZA

*i*KOHZA	Head
Advanced Devices and Materials Engineering (ADME)	Prof. Ir. Ts. Dr. Abdul Manaf bin Hashim
Algae & Biomass (ALGAE)	Assoc. Prof. Dr. Koji Iwamoto
Chemical Energy Conversions and Applications (ChECA)	Prof. Dr. Mohamed Mahmoud Elsayed Nasef
Circular Process Technology for Environment and Energy (CPTEE)	Assoc. Prof. Ir. Ts. Dr. Liew Peng Yen

Engineering Materials and Structure (eMAST)	Prof. Ir. Ts. Dr Saiful Amri bin Mazlan
Environment And Metabolic Engineering for Resilient and Sustainable Systems (EMERSS)	Assoc. Prof. Dr. Shahrum Shah bin Abdullah
Intelligence Dynamics and System (IDS)	Assoc. Prof. Ir. Dr. Lee Kee Quen
Perception, Robotic & Automation (PRA)	Assoc. Prof. Ir. Dr. Zool Hilmi bin Ismail
Smart Communication Systems (SCS)	Prof. Dr. Yoshihide Yamada
Software Engineering of Industrial Revolutions (SEIR)	Prof. Dr. Hamido Fujita
Sustainability, Innovation, Technology & Knowledge Advancement (Shin-ka)	Ts. Dr. Zulhasni bin Abdul Rahim
SHIZEN Material Conversion and Separation Technology (SHIZEN)	Prof. Dr. Tomoya Tsuji
Tropical Indoor Environment Research (TIER)	Prof. Ir. Ts. Dr. Sheikh Ahmad Zaki bin Shaikh Salim
Tribology and Precision Machining (TriPreM)	Prof. Dr. Kanao Fukuda
Takasago Thermal/Environmental Systems (TTES)	Dr. Muhammad Thalhah bin Zainal
Vehicle System Engineering (VSE)	Assoc. Prof. Dr. Fauzan bin Ahmad
Wellness Innovation Technology (WIT)	Prof. Dr. Siti Hamidah binti Mohd. Setapar

COE RESEARCH INTEREST

Disaster Preparedness & Prevention Centre (DPPC)
The Disaster Preparedness and Prevention Centre (DPPC), is a leading disaster risk reduction and management (DRRM) institute in multi-hazards and climate change to strengthen community resilience. DPPC aims to champion in providing DRRM solutions through technology driven and risk-informed sustainable development agenda; to lead and facilitate high-end laboratories, facilities and asset management services for disaster related event; to become a regional hub for building a safer and disaster resilient community through a transdisciplinary approach; to facilitate national and international collaborations in applied research, training and field practices for disaster resilience. - from i-Kohza booklet (2026 newest version). ● Disaster risk reduction and management ● Community Resilience ● Space Science R&D ● Policy ● Corporate Governance ● Finance ● Engineering Education ● Open Innovation, SGD ● Technology Mapping ● Patent Analytics ● Cultural Heritage ● Urban Conservation ● Climate Action in the Buildings Sector ● Green Technology ● Fire Risks Assessment ● Sustainable Cities

Malaysia-Japan Advanced Research Centre (MJARC)
• Waste Treatment & Management Technologies • Environmental Pollution • Renewable Energy • Biomass Conversion and Utilization • Process Integration and Optimization • Subcritical Water System • Bio Composite Material • Energy Systems & Recovery • Waste-to-Wealth, Waste-to- Energy • Effluent treatment • Energy systems and recovery • Pre & Post-disaster Waste Management

i-KOHZA RESEARCH INTERESTS

Advanced Devices & Materials Engineering (ADME) – https://mjiit.utm.my/adme/	Algae & Biomass (ALGAE) – https://mjiit.utm.my/algae/	Chemical Energy Conversions and Applications (ChECA) – https://mjiit.utm.my/checa/
• Nanomaterials synthesis • Semiconductor • Nanoelectronics • RF and microwave engineering • Sensor technology • Functional oxide thin films • Phase-change materials • Thermoelectric systems • Additive manufacturing • Materials characterisation • Advanced functional materials • Functional micro- and nanodevices	• Microalgae • Fatty acids • Bioremediation, Biopolymer • Waste water • Bioenergy • Biocoke • Azolla and alternative animal feeds	• Catalysts • Ion-conducting Membranes • Bioplastics • Fuel Cells • Water Electrolyzers • Carbon Dioxide Capture and Conversion • Energy Storage
Circular Process Technology for Environment and Energy (CPTEE) - https://mjiit.utm.my/cptee	**Engineering Materials and Structures (eMAST) - https://mjiit.utm.my/engineering-materials-structures-emas**	**Environmental and Multidisciplinary Engineering for Resilient and Sustainable Systems (EMERSS) - https://mjiit.utm.my/emerss/**
• Sustainability • Circular Economy • Waste Management • Microplastics	• Smart Materials Magnetorheology (Magneto-Response Fluid, Grease, Plastomer, Elastomer and Foam)	• Nature-Based Solutions • Resource Recovery • Nexus Modelling • Blue-Green Grids • Urban Metabolism

• Air Pollution • Renewable Energy • Biofuel • Energy Management	• Metal Composite • MR Design and Components • MR Ageing and Durability • 3D and 4D Printing Technology of Metal Composite and MR Materials • Advanced Additive Manufacturing (Multi-material, functionally graded material) • Surface Modification on Nanotechnology • NanoMaterial for Saturaber Absorber for Fiber Optic • NanoMaterial for Triboelectric generator Micro- and Nano-Characterization Analysis	• Regenerative Design • Climate Adaptation • Adaptive Infrastructure • System Modelling
Intelligent Dynamics and System (IDS) - https://mjiit.utm.my/ids/	**Perception, Robotic & Automation (PRA) - https://mjiit.utm.my/pra/**	**Vehicle System Engineering (VSE) - https://mjiit.utm.my/research-vehicle/**
• Noise and Vibration Control • Damaged Detection • Intensity Identification • Non–linear System Identification • Vibration damper and active suspension system	• Artificial Intelligence • Large Language Model • Pattern Recognition • Computer Vision • Process Automation • Mechatronics • Robotics & Sensors • Embedded System	• Bio-signal Processing • AI & Robotics • Active Safety & Autonomous Vehicles • Vehicle Safety • Product Design • Structural Dynamics • Smart Materials

• Structural Dynamics vibration • Computer Fluid Dynamics • Fluid-Structure Interaction • Machine Learning	• Hardware Security • Control and System Optimization • IoT Applications	• Air Traffic System Surveillance
Tropical Indoor Environment Research (TIER) - https://mjiit.utm.my/tier/	**Sustainability, Innovation, Technology & Knowledge Advancement (SHINKA) - https://mjiit.utm.my/shin-ka/**	**Tribology and Precision Machining (TriPreM) - https://mjiit.utm.my/tribology/**
• Indoor Climate • Thermal Comfort • Wind Engineering • Wind induced Vibration / Ene • Control Application • IoT • Artificial Intelligence • Air Conditioning (HVAC) • Aeroacoustics / Wind Noise	• Intellectual Property Management • Innovation Management • Business Analytics • Technology Management • Sustainability Policy • Circular Economy • TRIZ innovation • Social Entrepreneurship • Applied Mathematics	• Tribology and Surface Engineering • Mechanical System Development and Control • Adhesive Technologies and Joining Mechanics • Polymer and Biomaterial Innovation • Nanotechnology and Functional Particles • Multi-environment performance optimization
Takasago Thermal/ Environmental Systems (TTES) - https://mjiit.utm. my/ttes/	**Material Conversion and Separation Technology (SHIZEN) https://mjiit.utm.my/shizen/**	**Software Engineering of Industrial Revolution (SIER) - https://mjiit.utm.my/seir-info/**
• Carbon Capture, Utilization, and Storage • Combustion • Energy saving technologies	• Sustainable energy • Biofuels • New materials • Utilization of wastes • Thermodynamic models	• Software Engineering • Software Development • Machine Learning • System Analysis and Design • Engineering Education

• Low energy power consumption technologies • Heat transfer • Nanoparticle / Nanofluid • Mathematical modelling • Abstract theoretical modelling • Artificial intelligence • River System Assessment • Rainfall Forecasting and Modelling • Boundary layer modelling • Natural ventilation	• Process design & control • Apparatus and Assembly Design • Separation and purification • Chemical engineering • High pressure technologies • Design of chemical processes and control based on mathematical models	• Cybersecurity
Wellness Innovation Technology (WIT) - https://mjiit.utm.my/wit/	**Smart Communication System (SCS) - https://mjiit.utm.my/scs/**	
• Bioprocessing • Biosensor • Drug delivery • Food technology • Skincare • Structural bioinformatics	• Antennas and Propagation • Antennas for Future Networks • Body Centric Communication System • Undersea Communication Systems • Metamaterials • Radar Cross Section • Wireless Power Transfer • Wireless Mobile Communication • Wireless Mobile Network • Cognitive Radio Network	

UTM
UNIVERSITI TEKNOLOGI MALAYSIA
Malaysia-Japan International Institute of Technology (MJIIT)

POSTGRADUATE (PG) ACADEMIC GUIDELINES **2026 / 2027**

2026 / 2027 SESSION

ACADEMIC CALENDAR

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IMPORTANT DATE	PROGRAMME
26 & 27 September 2026	Registration of New Students Semester I 2026/2027 Session (September Intake)
12 OCTOBER 2026 – 21 MARCH 2027 (23 WEEKS)	**SEMESTER I**
12 October 2026 - 29 November 2026	Lectures Semester I (First Half) (7 Weeks)
30 November 2026 - 6 December 2026	Mid Semester Break, Semester I, 2026/2027 Session
7 December 2026 - 24 January 2027	Lectures Semester I (Second Half) (7 Weeks)
20 & 21 March 2027	Registration of New Students Semester II 2026/2027 Session (March Intake)
22 MARCH 2027 – 3 OCTOBER 2027 (28 WEEKS)	**SEMESTER II**
22 March 2027 - 16 May 2027	Lectures Semester II (First Half) (8 Weeks)
17 May 2027 - 23 May 2027	Mid-Semester Break for Semester II (1 Week)
24 May 2027 - 4 July 2027	Lectures Semester II (Second Half) (6 Weeks
26 JULY 2027 – 3 OCTOBER 2027 (10 WEEKS)	**SHORT SEMESTER**
26 July 2027 - 30 July 2027	Course Registration for Short Semester 2026/2027 (5 Days)
2 August 2027 - 26 September 2027	Lectures Short Semester (8 Weeks)

Malaysia Public Holiday

16 September 2026	Malaysia Day
8 - 9 November 2026	Deepavali
25 December 2026	Christmas Day
1 January 2027	New Year's Day
22 January 2027	Thaipusam
01 February 2027	Federal Territory Day
06 - 08 February 2027	Chinese New Year
24 February 2027	Nuzul Al-Quran
10 - 11 March 2027	Hari Raya Aidilfitri Holiday
1 May 2027	Labour Day
17 May 2027	Hari Raya Aidiladha
20 May 2027	Wesak Day
07 June 2027	Agong Birthday
06 - 07 June 2027	Awal Muharram
15 - 16 August 2027	Prophet Muhammad's Birthday
31 August 2027	Merdeka Day
16 September 2027	Malaysia Day
8 - 9 November 2027	Deepavali
25 December 2027	Christmas Day

Note: Subject to change

UTM UNIVERSITI TEKNOLOGI MALAYSIA | Malaysia-Japan International Institute of Technology (MJIIT)

POSTGRADUATE (PG) ACADEMIC GUIDELINES **2026 / 2027**

DEGREE OFFERED & PROGRAM SPECIFICATIONS

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PROGRAMMES

MJIIT offers the following postgraduate research programmes:

i. Doctor in Philosophy (PhD) (by research)
ii Doctor of Philosophy (Engineering Education) (by Research)
iii. Doctorate of Professional Practice (Open Distance Learning)
iv. Master of Philosophy (MPhil) (by Research)
v. Master in Disaster Risk Management (by Taught course)
vi. Master in Sustainable Systems (by taught course)
vii. Master in Sustainable Systems (by taught course) (Open Distance Learning)
viii. Master of Science (Engineering Education) (by Taught Course)
ix. Master of Science (Sustainable Urban Design) (by Taught Course)
x. Master of Sustainability and Environmental Sciences (Joint Degree with University of Tsukuba)
xi. Master in Technology and Innovation Management (by taught course)
xii. Master in Technology and Innovation Management (Dual Degree with Yamaguchi University)
xiii. Master in Technology and Innovation Management (by taught course) (Open Distance Learning)

These programmes are designed to provide students with a comprehensive education that integrates theoretical knowledge with practical application, preparing them for leadership roles in their respective fields.

Table 1: Duration of Studies

Programme	Minimum (semesters)	Maximum (semesters)
Doctor of Philosophy (PhD) **(PMJG)**	6	16
Doctor of Philosophy (Engineering Education) **(PMJE)**	6	16
Doctorate of Professional Practice **(EMJD)**	6	16
Master of Philosophy (MPhil) **(MMJG)**	2	8
Programme	**Minimum (semesters)**	**Maximum (semesters)**
Master in Disaster Risk Management **(MMJR)**	2 normal semesters + 1 short semester	8
Master in Sustainable Systems **(MMJL)**	2 normal semesters + 1 short semester	8
Master in Sustainable Systems (ODL) **(MMJQ)**	2 normal semesters + 1 short semester	8
Master of Science (Sustainable Urban Design) **(MRSS)**	3	8
Master of Science (Engineering Education) **(MRST)**	3	8
Master of Sustainability and Environmental Sciences (Joint Degree with University of Tsukuba) **(MMJJ)**	4	8
Master in Technology and Innovation Management **(MMJI)**	3	8
Master in Technology and Innovation Management (Double Degree with Yamaguchi University) **(MMJI)**	3	8

Master in Technology and Innovation Management (ODL) **(MMJZ)**	3	8

Programme Educational Objectives, Programme Outcomes and Programme Structure for Doctor of Philosophy and Master of Philosophy (By Research)

With the spirit of outcome based education, our programme educational objectives are to produce graduates with the following abilities five years after their graduation:

PEO1	Mastery of knowledge and competency in niche knowledge and cutting-edge technologies
PEO2	Professionalism and high standards of ethical conduct for the benefits of both national and international
PEO3	Responsive to changing situations by continuously acquiring new knowledge and skills

In order to realize the programme educational objectives, we design the programme learning outcomes to be measured and assessed:

PLO1	Demonstrate originality and independence in undertaking analytical and critical evaluation and synthesis of complex information, specialized concepts, theories, methods and practice
PLO2	Apply knowledge critically and integrative to manage and resolve complex issues through research, using advanced techniques,

	tools, skills or by a range of approaches for decision making and producing new ideas in niche area
PLO3	Demonstrate practical skills competencies through the use of tools or investigative techniques which are informed by knowledge at the forefront of research innovation
PLO4	Demonstrate decent collaboration with different people in learning and working communities and other groups and networks
PLO5	Communicate clearly the knowledge, skills, ideas, critique and conclusion or rationale using appropriate methods to a diversity of audiences.
PLO 6	Competently use a wide range of suitable digital technologies and appropriate software in the research work
PLO7	Apply mathematical and other quantitative, qualitative tools to analyze and valuate numerical and graphical data
PLO8	Demonstrate significant autonomy, independence, leadership, and interpersonal skills at work and class
PLO9	Exemplify self-advancement through continuous academic and professional development
PLO10	Demonstrate entrepreneurial characteristics.
PLO11	Demonstrate adherence to legal, ethical and professional codes of practice

Curriculum Structure for Research Programmes (Doctor of Philosophy and Master of Philosophy)

The programmes are offered in full-time modes with specific research projects supervised by supervisor/s. The PhD and Master degrees have been especially designed to incorporate the latest advancements in technology, offering students the exclusive experience of undertaking research under the supervision of Malaysian and Japanese experts while combining both theory and practice. The duration of studies can be referred from Table 1.

There are three types of compulsory courses/seminars you need to attend:

- Research course – this is the core course that you need to register for every semester.
- Research methodology – you need to take this course within Year One (1) of your study. However, it is recommended to take during the first semester to be qualified for the First Level Assessment.
- University elective course – you need to take this course within Year One (1) of your study. However, it is recommended to take during the first semester to be qualified for the First Level Assessment.
- You could apply for credit transfer if you have taken an equivalent course before.

Table 2 and Table 3 summarizes the curriculum for both MPhil and PhD programmes

Table 2 Curriculum for MPhil students and PhD students by research

Course Category	Code		Subject	Credit
	MPhil	PhD		
University Elective (1 subject)	UXXX XXX3		Select from Table 3	3
Prerequisite (Research student)	UMJP 6013		Research Methodology	0
Research project (Minimum 2 semesters for MPhil while Minimum 6 semesters for PhD)	MMJG 1100	PMJG 1100	Research	0
	MMJG 1200	PMJG 1200	Research	0
	MMJG 2100	PMJG 2100	Research	0
	MMJG 2200	PMJG 2200	Research	0
	MMJG 3100	PMJG 3100	Research	0
	MMJG 3200	PMJG 3200	Research	0
		PMJG 4100	Research	0
		PMJG 4200	Research	0
		PMJG 5100	Research	0
		PMJG 5200	Research	0
		PMJG 6100	Research	0
		PMJG 6200	Research	0
		PMJG 7100	Research	0
		PMJG 7200	Research	0
		PMJG 8100	Research	0
		PMJG 8200	Research	0

Table 3 List of university compulsory courses

ELECTIVE UNIVERSITY COURSE (3 Credits) (Choose 1)		
Code	**Course name**	**Credit**
UBSS 6013	Organization Behaviour & Development	3
UBSS 6023	Business Ethics, Responsibility and Sustainability	3
UHMS 6013	Seminar On Global Development, Economic and Social Issues	3
UHMZ 6023	Malaysian Society & Culture	3
UHIS 6013	Philosophy of Science and Civilization	3
UHPP 6013	Dynamics of Leadership	3
URTS 6013	Environmental Ethics	3
UECS 6013	It Project Management	3
UECS 6023	Introduction to Technopreneurship	3
UMJJ 6013	Basic Japanese Language and Culture	3

*The subject will be updated in accordance with the University's General Courses guidelines. For more details, please refer to this link: https://sps.utm.my/academic-related-resources/

Programme Educational Objectives; Programme Outcomes and Program Structure for Doctor of Philosophy (Engineering Education)

We have also developed a set of programme education objectives whereby we expect our graduates to be able to do the following 3 or 5 years after their graduation:

PEO 1	Mastery of knowledge and competency in advanced areas of Engineering Education
PEO 2	Professionalism and high standards of ethical conducts within organization and society

PEO 3	Responsive to changing situations by continuously acquiring new knowledge and skills

In order to realize the programme educational objectives, we design the programme learning outcomes to be measured and assessed:

PLO 1	Synthesize, critique, apply, and extend in-depth relevant knowledge independently using innovative techniques, tools, and skills in the field of Engineering Education as a basis for research to produce new ideas and solution
PLO 2	Create new concept/theories/solutions/practice through independent research and originality that satisfies international standards within the field of Engineering Education using the latest techniques, tools, and skills
PLO 3	Integrate highly advanced and specialized research methodologies and tools based on the forefront knowledge and latest development in the field of Engineering Education to solve complex research problems with reasonable degree of originality
PLO 4	Demonstrate decent collaboration with peers, scholarly communities and society at large in the relevant field of expertise and research
PLO 5	Communicate effectively the knowledge, skills, ideas and research findings using appropriate methods to peers, scholarly communities, and societies through various medium
PLO 6	Use, improve existing or develop new appropriate tools or methodologies using a broad range of digital technology, media and software to support and enhance research activities
PLO 7	Demonstrate skills in designing, critical evaluation, and analysing numerical

	and graphical data using quantitative or qualitative tools to support and enhance research activities
PLO 8	Demonstrate leadership, professionalism and management skills, and take full responsibility for own work, and significantly for others in the research organization
PLO 9	Demonstrate the ability to manage and enhance own self- and if necessary, can be accountable for overall management of one's research organization and professional development
PLO 10	Develop potential commercialisation research output
PLO 11	Demonstrate adherence to legal, professional and contribute to the development of ethical sound codes of practice

Curriculum Structure for Doctor of Philosophy (Area of Research: Engineering Education)

Table 4 summarizes the curriculum for Doctor of Philosophy (Area of Research: Engineering Education)

Table 4 Curriculum for PhD (Area of Research: Engineering Education) students

Course Category	Code	Subject	Credit
	PhD		
Research project (Minimum 6 semesters for PhD)	PMJE 1100	Research	0
	PMJE 1200	Research	0
	PMJE 2100	Research	0
	PMJE 2200	Research	0
	PMJE 3100	Research	0
	PMJE 3200	Research	0
	PMJE 4100	Research	0

	PMJE 4200	Research	0
	PMJE 5100	Research	0
	PMJE 5200	Research	0
	PMJE 6100	Research	0
	PMJE 6200	Research	0
	PMJE 7100	Research	0
	PMJE 7200	Research	0
	PMJE 8100	Research	0
	PMJE 8200	Research	0
University Elective (1 subject)	UXXX XXX3	Select from Table 3	3
Prerequisite (Research student)	ULPT 6013	Research Methodology in Engineering Education	0

Programme Educational Objectives; Programme Outcomes and Programme Structure for Master in Disaster Risk Management

We have also developed a set of programme education objectives whereby we expect our graduates to be able to do the following 3 or 5 years after their graduation:

PEO1 Disaster management experts (decision makers, consultants and implementers) who are able to apply that knowledge throughout life in various disciplines such as engineering, economics, social, environmental and policy

PEO2	Lead and work together as a team and efficiently communicate in writing and orally in the field of disaster management
PEO3	Plan the redevelopment of infrastructure and health affected by disasters with full integrity

In order to realize the programme educational objectives, we design the programme learning outcomes to be measured and assessed:

PLO 1	Critically analyse complex information with originality and knowledge in specialised concepts, theories, methods and practices in disaster risk management
PLO 2	Construct solutions for solving complex issues by a range of advanced approaches, knowledge, innovative solutions and practices in disaster risk management
PLO 3	Apply disaster risk management practical skills involving the use of equipment, devices, and technology at its forefront knowledge and latest development tools
PLO 4	Demonstrate effective collaboration with different people in learning and working, ethically and professionally
PLO 5	Communicate effectively the knowledge, skills, ideas, critiques and conclusion using appropriate methods to peers, experts, and non-experts
PLO 6	Competently use a wide range of suitable digital technologies and appropriate software's to support research work and studies in the field of disaster risk management
PLO 7	Analyse numerical and graphical data using quantitative or qualitative methods related to the field of disaster risk management
PLO 8	Demonstrate autonomy, independence, leadership and responsibility during unpredictable situations to solve complex issues, collaboratively with team members

PLO 9 Demonstrate self-advancement through continuous academic and professional development

PLO 10 Propose entrepreneurial projects by developing business plans related to disaster risk management

PLO 11 Adhere to legal, ethical and professional codes of practice in every reflection and decision making as a field expert in disaster risk management

Curriculum Structure for Master in Disaster Risk Management

The minimum duration of this program is 1 year (2 normal semesters and 1 short semester). The curriculum involves four components below in Table 5:

a. University general courses
b. Core courses
c. Elective courses
d. Master project

Table 5 Curriculum of Master of Disaster Risk Management

UNIVERSITY GENERAL COURSES (3 Credits) (COMPULSORY)		
UXXX XXX3	University General Course (Select from Table 3)	3
CORE COURSES (18 Credits) (COMPULSORY)		
MMJP 1183	Research Methodology	3
MMJR 1113	Natural Hazards and Integrated Disaster Management	3
MMJR 1133	Control Measures and Mitigation Planning	3
MMJR 1143	Emergency Response Planning and Communication	3

MMJR 1153	Recovery and Reconstruction Management	3
MMJR 1163	Disaster Education and Preparedness for Social Resilience	3
PROJECT (12 Credits) (COMPULSORY)		
MMJR 1266	Master Project 1	6
MMJR 1376	Master Project 2	6
	ELECTIVE COURSES (9 Credits) (CHOOSE 3)	
MMJR 1203	Disaster Psychology	3
MMJR 1213	Disaster Data Management and Forecasting	3
MMJR 1223	Flood Forecasting and Hazard Mapping	3
MMJR 1233	River Systems and Management	3
MMJR 1243	Geohazard Information for Disaster Risk Assessment	3
MMJR 1253	Flood Hydraulics and Mechanics of Sediment Transportation	3
MMJR 1283	Public Health Policy and Management	3
MMJR 1293	Healthcare in Emergencies and Rehabilitation	3
TOTAL CUMULATIVE CREDITS		**42**

Programme Educational Objectives; Programme Outcomes and Programme Structure for Master in Sustainable Systems (Conventional and Open Distance Learning)

We have also developed a set of programme education objectives whereby we expect our graduates to be able to do the following 3 or 5 years after their graduation:

PEO1 Mastery of knowledge in sustainability, policy and competency in managing the sustainable systems

PEO2 Professionalism and high standards of ethical conducts for the benefits of both national and international communities

PEO3 Responsive to changing situations by continuously acquiring new knowledge and skills

In order to realize the programme educational objectives, we design the programme learning outcomes to be measured and assessed:

PLO 1 Critically analyse complex information with originality and knowledge in specialized concepts, theories, methods and practice in sustainable systems

PLO 2 Construct solutions to complex issues related to sustainable systems

PLO 3 Use sustainability standard practical skills at its forefront knowledge and latest development tools

PLO 4 Work collaboratively with different people in learning and working communities professionally

PLO 5 Communicate clearly the knowledge, skills, ideas, critique and conclusion with rationale using appropriate methods to peers, experts, and nonexperts

PLO 6 Competently use a wide range of suitable digital technologies and appropriate software to enhance the solution of complex issues

PLO 7	Apply mathematical and other quantitative, qualitative tools to analyse and evaluate numerical and graphical for data interpretation
PLO 8	Demonstrate significant autonomy, independence, leadership and responsibility skills at unpredictable situations within a collaborative team to solve complex issues
PLO 9	Recognise the need in continuous academic and professional development through self-advancement
PLO 10	Initiate entrepreneurial projects by developing business plans for the related product
PLO 11	Adhere to legal, ethical and professional codes of practice in every critical reflection and decision making as a field expert.

Curriculum Structure for Master in Sustainable Systems

The minimum duration of this program is 1 year (2 normal semesters and 1 short semester). The curriculum involves four components below in Table 6:

a. Compulsory university courses
b. Core courses
c. Elective courses
d. Master project

Master in Sustainable Systems is also available in Open Distance Learning mode. Students registering for ODL will register with code MMJQ.

Table 6 Curriculum of Master in Sustainable Systems

COMPULSORY UNIVERSITY COURSES (6 Credits)		
Code	**Course**	**Credit**
Uxxx xxx3	University General Course Select one from Table 3	3
MMJP 1183	Research Methodology	3
CORE COURSES (15 Credits) (COMPULSORY)		
MMJL 1113 (MMJQ 1113)	Applied Sustainable Systems	3
MMJL 1123 (MMJQ 1123)	Life Cycle Assessment	3
MMJL 1133 (MMJQ 1133)	Sustainability Management and Policy	3
MMJL 1213 (MMJQ 1213)	Green Economy	3
MMJL 1313 (MMJQ 1313)	Industrial Ecology and Cleaner Production	3
PROJECT (12 Credits) (COMPULSORY)		
MMJL 1186 (MMJQ 1186)	Master Project 1	6
MMJL 1286 (MMJQ 1286)	Master Project 2	6

ELECTIVE COURSES (9 Credits) (CHOOSE 3)		
MMJL 1143 (MMJQ 1143)	Environmental Impact Assessment	3
MMJL 1323 (MMJQ 1323)	Smart Communities	3
MMJL 1333 (MMJQ 1333)	Renewable Energy	3
MMJL 1343 (MMJQ 1343)	Sustainable Food Systems	3
MMJL 1353 (MMJQ 1353)	Integrated Water Science and Technology	3
MMJL 1363 (MMJQ 1363)	Integrated Solid Waste Management	3
MMJL 1373 (MMJQ 1373)	Low Carbon Cities	3
TOTAL CUMULATIVE CREDITS		**42**

Note: MMJQ for ODL students

Programme Educational Objectives; Programme Outcomes and Programme Structure for Master of Sustainability and Environmental Sciences (Joint degree with University of Tsukuba)

We have also developed a set of programme education objectives whereby we expect our graduates to be able to do the following 3 or 5 years after their graduation:

PEO1	Competent and innovative in incorporating the concepts and values of sustainability in any environmental related field
PEO2	Demonstrate innovative leadership skills and capable to generate solutions and ideas by addressing the complexities of the sustainability challenges through a multidisciplinary perspective
PEO3	Grow professionally with the ability to analyze and communicate environmental issues to a broader community of stakeholders to meet our present needs without compromising future generations.

In order to realize the programme educational objectives, we design the programme learning outcomes to be measured and assessed:

PLO 1	Critically analyse complex information with originality and knowledge in specialised concepts, theories, methods and practice in sustainability and environmental sciences
PLO 2	Construct solutions for solving complex issues using advanced approaches, knowledge, and innovative solutions for sustainability and environmental sciences
PLO 3	Conduct sustainability standard practical skills at its forefront knowledge and latest development tools
PLO 4	Work collaboratively with different people in learning and working communities ethically and professionally
PLO 5	Communicate clearly the knowledge, skills, ideas, critique and conclusion with rationale using appropriate methods to peers, experts, and nonexperts
PLO 6	Competently use a wide range of suitable digital technologies and appropriate software to enhance the solution of complex issues
PLO 7	Apply mathematical and other quantitative, qualitative tools to analyse and evaluate numerical and graphical for data interpretation

PLO 8	Demonstrate significant autonomy, independence, leadership and responsibility skills at unpredictable situations within a collaborative team to solve complex issues
PLO 9	Recognise the need for continuous academic and professional development through self-advancement
PLO 10	Initiate entrepreneurial projects by developing business plans for the related product
PLO 11	Adhere to legal, ethical and professional codes of practice in every critical reflection and decision making as a field expert

Curriculum Structure for Master of Sustainability and Environmental Sciences (Joint degree with University of Tsukuba)

The minimum duration of this program is 2 years (4 normal semesters). The curriculum involves four components below in Table 7:

a. Compulsory university Course
b. Core courses
c. Elective courses
d. Master project

Table 7 Curriculum of Master of Sustainability and Environmental Sciences

COMPULSORY UNIVERSITY COURSE (6 Credits)		
Code	**Course**	**Credit**
Uxxx xxx3	University General Course (Select one from Table 3)	3
MMJP 1183	Research Methodology	3
CORE COURSES (7 Credits) (COMPULSORY)		
MMJS 1133	Sustainability Management and Policy	3
01AJ 001	Introduction to Environmental Sciences	1
01AJ 002	Exercises in Environmental Sciences	1
01AJ 003	Field and Laboratory Practices in Environmental Sciences	1
01AJ 004	Tsukuba-MJIIT Joint Seminar	1
PROJECT (16 Credits) (COMPULSORY)		
MMJS 1186	Master Project 1	6
MMJS 1286	Master Project 2	6
01AJ 101	Seminar in Environmental Sciences 1	2
01AJ 102	Seminar in Environmental Sciences 2	2

ELECTIVE COURSES 1 (9 Credits) (Choose 3)		
MMJS 1113	Applied Sustainable Systems	3
MMJS 1123	Life Cycle Assessment	3
MMJS 1143	Environmental Impact Assessment	3
MMJS 1213	Green Economy	3
MMJS 1323	Smart Communities	3
MMJS 1333	Renewable Energy	3
MMJS 1343	Sustainable Food Systems	3
MMJS 1373	Low Carbon Cities	3
ELECTIVE COURSES 2 (8 Credits)		
01AJ 301	Simulation of Environmental Policy	2
01AJ 302	Water Environment	2
01AJ 303	Introduction to Waste Management	2
01AJ 304	Solid Waste Management Systems Planning	2
01AJ 305	Utilisation and Recycling of Bioresources	2
01AJ 306	Tropical Climate and Global Monsoon	1
01AJ 307	Introduction to Environmental Policy	1
01AJ 308	Terrestrial Ecology	1
0ATAY01	Social Issues and Education Policies	1
0ATAY02	The State of Global Issues	1
0AQT002	Special Problem-Solving Seminar B1	1
0AQT062	Special Problem-Solving Seminar B2	2
TOTAL CUMULATIVE CREDIT		**46**

Programme Educational Objectives, Programme Outcomes and Programme Structure for Master in Technology and Innovation Management (Conventional and Open Distance Learning)

We have also developed a set of programme education objectives whereby we expect our graduates to be able to do the following 3 or 5 years after their graduation:

PEO1 Innovation catalyst in enhancing the value of programs, projects, products or services

PEO2 Lead the organisation in technology and innovation management to be more competitive

PEO3 Contribute towards a sustainable society through lifelong learning

In order to realize the programme educational objectives, we design the programme learning outcomes to be measured and assessed:

PLO1 Critically analyse complex information with originality and knowledge in specialised concepts, theories, methods and practice in technology and innovation management.

PLO2 Construct solutions for solving complex issues using advanced approaches, knowledge, and innovative solutions for management technology and innovation.

PLO3 Apply management of technology and innovation skills at its forefront knowledge and latest development tools.

PLO4 Work collaboratively with stakeholders in learning and working communities ethically and professionally.

PLO5 Clearly communicate the knowledge, skills, ideas, critique and conclusion with rationale using appropriate methods to peers, experts, or non-expert individual.

PLO6	Competently use a wide range of suitable digital technologies and appropriate software to enhance the performance of complex problem solving.
PLO7	Apply mathematical and other quantitative, qualitative tools to analyse and evaluate numerical and graphical for data interpretation.
PLO8	Demonstrate significant autonomy, independence, leadership and responsibility skills, which is significant at unpredictable situations within collaboratively team to solve complex issues.
PLO9	Recognise the need in continuous academic and professional development through self-advancement.
PLO10	Initiate entrepreneurial program by developing business plan for the related product and services.
PLO11	Adhere to legal, ethical and professional codes of practice in every critical reflection and decision making as a field expert.

Curriculum Structure for Master in Technology and Innovation Management

The minimum duration of this program is 1.5 year (3 normal semesters) for a full-time student. The curriculum involves four components below in Table 7:

a. General course
b. Core courses
c. Elective courses
d. Management workshop

Table 8 Curriculum of Master in Technology and Innovation Management

COMPULSORY UNIVERSITY COURSES		
Code	**Course**	**Credit**
UMJJ 6013	Basic Japanese Language and Culture (MJIIT)	3
URSP 6023	ICT Ethics and Society (FAI)	3
CORE COURSES (COMPULSORY)		
MMJT 1013	Managing Technology and Innovation	3
MMJT 1023	Business Planning and Organizing	3
MMJT 1033	Costing and Financial Analysis	3
MMJT 1043	Marketing of Technology & Innovative Products	3
MMJT 1053	Human Resource & Talent Management for Innovation	3
MMJP 1183	Research Methodology	3
RESEARCH PROJECT & WORKSHOP (COMPULSORY)		
MMJT 1153	Project 1	3
MMJT 2016	Project 2	6
MMJT 2023	Advanced Managerial Techniques	3
ELECTIVE COURSES (CHOOSE 4)		
MMJT 1063	Finance and Funding of Technology Enterprise	3
MMJT 1073	Business and Intellectual Property Law	3
MMJT 1083	Leading Knowledge Workers for Innovation	3
MMJT 1093	Value Configurations and Competitive Strategy	3

MMJT 1103	Business Networking and Managing Alliances	3
MMJT 1113	Managing Technology Change and Transformation	3
MMJT 1123	Valuation and Intellectual Property Management	3
MMJT 1133	Strategic Management of Technology	3
MMJT 1143	Policy and Economics of Technological Innovation	3
MMJT 1213	Data Science for Innovation	3
MMJT1223	Business Statistic for Data Science	3
MMJT1233	Business Analytics	3
MMJT1243	TRIZ - Theory of Inventive Problem Solving	3
MMJT1253	Project Management and Engineering Economics	3
TOTAL CUMULATIVE CREDITS		**45**

Note: MMJZ for ODL students
Master in Technology and Innovation Management is also available in Open Distance Learning mode.
Students registering for ODL will register with code MMJZ

Programme Educational Objectives, Programme Outcomes and Programme Structure for Master in Technology and Innovation Management (Double Degree with Yamaguchi University)

We have also developed a set of programme education objectives whereby we expect our graduates to be able to do the following 3 or 5 years after their graduation:

PEO1 Innovation catalyst in enhancing the value of programs, projects, products or services

PEO2 Lead the organisation in technology and innovation management to be more Competitive

PEO3 Contribute towards a sustainable society through lifelong learning

In order to realize the programme educational objectives, we design the programme learning outcomes to be measured and assessed:

PLO1 Critically analyse complex information with originality and knowledge in specialised concepts, theories, methods and practice in technology and innovation management

PLO2 Construct solutions for solving complex issues using advanced approaches, knowledge, and innovative solutions for management technology and innovation

PLO3 Apply management of technology and innovation skills at its forefront knowledge and latest development tools

PLO4 Work collaboratively with stakeholders in learning and working communities ethically and professionally

PLO5	Clearly communicate the knowledge, skills, ideas, critique and conclusion with rationale using appropriate methods to peers, experts, or non-expert individual
PLO6	Competently use a wide range of suitable digital technologies and appropriate software to enhance the performance of complex problem solving
PLO7	Apply mathematical and other quantitative, qualitative tools to analyse and evaluate numerical and graphical for data interpretation
PLO8	Demonstrate significant autonomy, independence, leadership and responsibility skills, which is significant at unpredictable situations within collaboratively team to solve complex issues
PLO9	Recognise the need for continuous academic and professional development through self-advancement
PLO 10	Initiate entrepreneurial program by developing business plan for the related product and services
PLO 11	Adhere to legal, ethical and professional codes of practice in every critical reflection and decision making as a field expert.

Curriculum Structure for Master in Technology and Innovation Management

The minimum duration of this program is 1.5 year (3 normal semesters) for a full-time student. The curriculum involves four components below in Table 9:

a) General course
b) Core courses
c) Elective courses
d) Management workshop

Table 9 Curriculum of Master in Technology and Innovation Management (Double Degree with Yamaguchi University)

COMPULSORY UNIVERSITY COURSES		
Code	**Course**	**Credit**
UMJJ 6013	Basic Japanese Language and Culture (MJIIT)	3
URSP 6023	ICT Ethics and Society (FAI)	3
CORE COURSES (COMPULSORY)		
MMJT 1013	Managing Technology and Innovation	3
MMJT 1023	Business Planning and Organizing	3
MMJT 1033	Costing and Financial Analysis	3
MMJT 1043	Marketing of Technology & Innovative Products	3
MMJT 1053	Human Resource and Talent Management for Innovation	3
MMJP1183	Research Methodology	3
RESEARCH PROJECT & WORKSHOP (COMPULSORY)		
MMJT 1153	Project 1	3
MMJT 2016	Project 2	6
MMJT 2023	Advanced Managerial Techniques	3
ELECTIVE COURSES (CHOOSE 4)		
MMJT 1063	Finance and Funding of Technology Enterprise	3
MMJT 1073	Business and Intellectual Property Law	3

MMJT 1083	Leading Knowledge Workers for Innovation	3
MMJT 1093	Value Configurations and Competitive Strategy	3
MMJT 1103	Business Networking and Managing Alliances	3
MMJT 1113	Managing Technology Change and Transformation	3
MMJT 1123	Valuation and Intellectual Property Management	3
MMJT 1133	Strategic Management of Technology	3
MMJT 1143	Policy and Economics of Technological Innovation	3
MMJT 1213	Data Science for Innovation	3
MMJT1223	Business Statistic for Data Science	3
MMJT1233	Business Analytics	3
MMJT1243	TRIZ - Theory of Inventive Problem Solving	3
MMJT1253	Project Management and Engineering Economics	3
TOTAL CUMULATIVE CREDITS		**45**

Programme Educational Objectives, Programme Outcomes and Programme Structure for Master of Science (Engineering Education)

We have also developed a set of programme education objectives whereby we expect our graduates to be able to do the following 3 or 5 years after their graduation:

PEO1	Apply knowledge, scientific thinking skills and research skills in solving engineering education problems as practitioner and consultant at higher education institutions and professional training center.
PEO2	Demonstrate communication skills and leadership skills in addressing issues of engineering education.
PEO3	Enhance knowledge and skills of engineering education via lifelong learning and collaborate with parties involved professionally, taking into account the interests of stakeholders and society

In order to realize the programme educational objectives, we design the programme learning outcomes to be measured and assessed:

PLO1	Apply and integrate engineering education knowledge in the profession.
PLO2	Apply thinking skills and scientific skills in solving engineering education problems creatively, innovatively and competently.
PLO3	Practice research skills in engineering education.
PLO4	Engage with various parties in the learning and work community and engage with other groups.
PLO5	Communicate effectively with the scientific community, industry and public.

PLO6	Apply and integrate knowledge in engineering education effectively using a variety of information, media applications and technologies for lifelong learning.
PLO7	Solve problems using quantitative and qualitative tools.
PLO8	Demonstrate the responsibility as an autonomous leader.
PLO9	Exemplify self-advancement through continuous academic and/ or professional
PLO10	Initiate entrepreneurial projects through creativity in innovating teaching and learning approaches.
PLO11	Practice engineering education ethically, responsibly, and professionally.

Table 10 Curriculum of Master of Science (Engineering Education)

COMPULSORY UNIVERSITY COURSE (6 Credits)		
Code	**Course**	**Credit**
URSP 0013	Research Methodology	3
Code	**Course (Choose 1)**	**Credit**
URTS 6013	Environmental Ethics	3
UMJJ 6013	Basic Japanese Language and Culture	3
URTS 6033	Information and Communication Technology Ethics and Society	3
UHMS 6013	Seminar on Global Development, Economy and Social Issues	3
UHMZ 6023	Malaysian Society and Culture (For International Student Only)	3

UHAZ 6323	Malay Language for Postgraduates	3
UBSS 6013	Organizational Behaviour and Development	3
CORE COURSES (COMPULSORY)		
MRST 1113	Philosophy in Engineering Education	3
MRST 1123	Teaching and Learning in Engineering Education	3
MRST 1133	Assessment and Evaluation in Engineering Education	3
MRST 1143	Curriculum Development	3
MRST 1153	Instructional Design in Engineering Education	3
MRST 2113	Data Analysis in Engineering Education	3
RESEARCH PROJECT (COMPULSORY)		
MRST 1914	Master Project 1	4
MRST 2926	Master Project 2	6
ELECTIVE COURSES (CHOOSE 4)		
MRST 2223	Trends in Engineering Education	3
MRST 2233	Instrument Development Theory and Application	3
MRST 2943	Practical Engineering Experience	3

MRST 2953	Practical Teaching Experience	3
MRST 2213	Professional Development in Engineering Education	3
MRTE 1513	Operation Competitive Strategy and Management	3
MRSE 1523	Quality Management and Techniques	3
MBSA 1623	Leading Talent in Organizations	3
MRSF 1223	Technovation Management	3
MPPE 1113	Cognitive Psychology	3
MPPE 1123	Advanced Educational Psychology	3
MPPE 1313	Theories of Motivation	3
MRST 2263	Development and Epistemology of Engineering Thinking	3
MRST 2273	Islamic Philosophy of Science and Technology	3
TOTAL CUMULATIVE CREDITS		**46**

Educational Objectives and Programme Outcomes for Master of Science (Urban Design)

We have also developed a set of programme education objectives whereby we expect our graduates to be able to do the following 3 or 5 years after their graduation:

PEO1	Apply advance knowledge in sustainable urban design in solving general planning and design problems in development within an urban area
PEO2	Evaluate projects that consider users needs as well as appreciating urban design issues from global and cultural perspectives in order to implement professional, ethical, environmental and societal responsibilities
PEO3	Able to work in a team and lead research tasks, able to communicate effectively through oral and written communication to assure effective presentation of technical and social issues as well as establishing international networking
PEO4	Ability to upgrade their urban design knowledge through life long learning
PEO5	Manage complex urban design projects and having entrepreneurial thinking to identify business opportunities in urban design and the means to exploit the opportunities

In order to realize the programme educational objectives, we design the programme learning outcomes to be measured and assessed:

PLO1	Integrate in-depth urban design knowledge in professional practices for the benefits of built environment discipline
PLO2	Develop practical research skills in line with sustainable development perspectives
PL03	Formulate critical thinking and problem solving skills from sustainable urban design perspectives

PLO4 Demonstrate professional ethics in urban design from sustainable urban design perspectives

PLO5 Communicate effectively through oral and written to scientific, industry and public communities

PLO6 Select and apply contemporary knowledge in sustainable urban design independently to use information effectively

PLO11 Demonstrate managerial skills and identify business opportunities in sustainable urban design

Table 11 Curriculum of Master of Science (Urban Design)

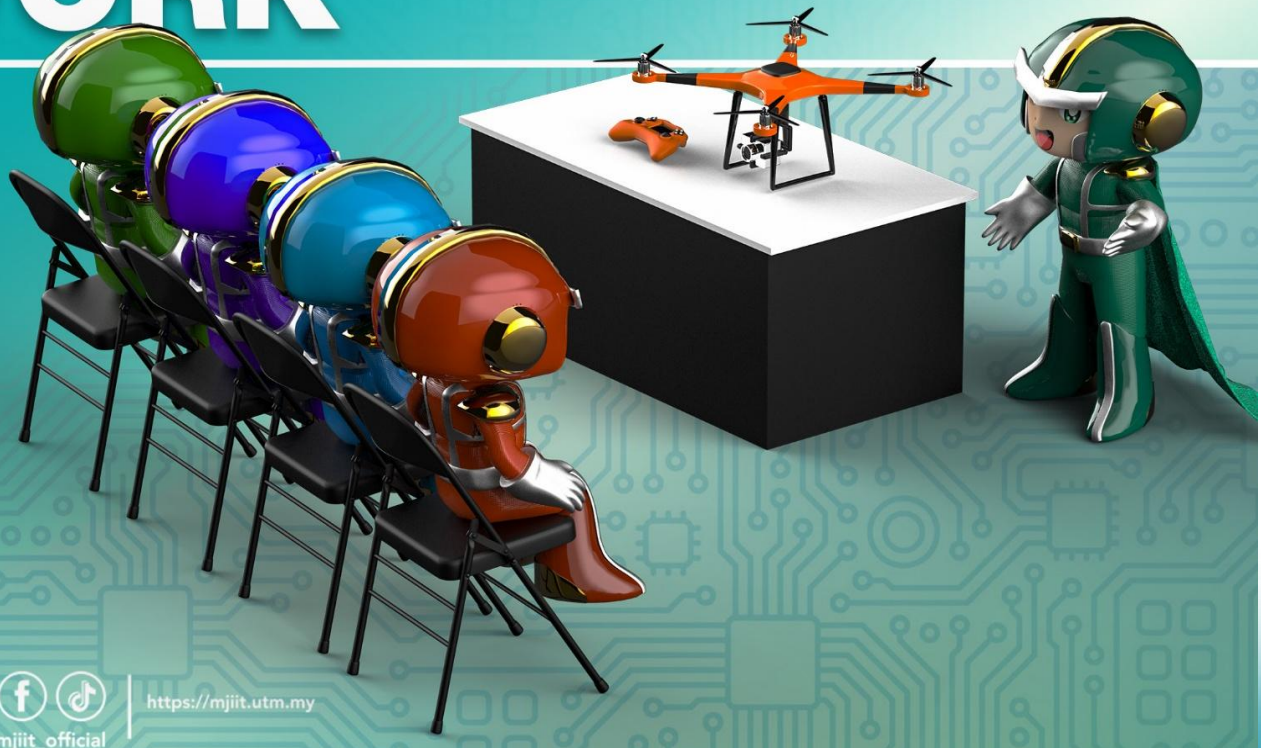
COMPULSORY UNIVERSITY COURSE (6 Credits)		
Code	**Course**	**Credit**
URSP 0013	Research Methodology	3
Uxxx xxx3	University General Course (Select one from Table 3)	3
CORE COURSES (COMPULSORY)		
MRSS 1145	Sustainable Urban Dynamics and Regeneration Studio	5
MRSS 1135	Sustainable Urban Landscape Design Studio	5
MRSS 1114	Urban Design Theory and Methods	4
RESEARCH PROJECT (COMPULSORY)		
MRSS 1144	Master Project 1	4
MRSS 2116	Master Project 2	6

ELECTIVE COURSES (CHOOSE 5)		
MRSS 1113	Sustainable Urban Form and Quality	3
MRSS 1123	Sustainable Urban Landscape Design	3
MRSS 1153	Sustainable Urban Dynamics and Regeneration	3
MRSS 1163	Urban Studies	3
MRSS 2183	Sustainable Design and Construction	3
MRSS 2193	Universal Design	3
MRSS 2213	Sustainable Housing Development	3
MRSS 2203	Sustainable Development and Environmental Engineering	3
TOTAL CUMULATIVE CREDITS		**45**

UTM
UNIVERSITI TEKNOLOGI MALAYSIA
Malaysia-Japan International Institute of Technology (MJIIT)

POSTGRADUATE (PG) ACADEMIC GUIDELINES **2026 / 2027**

PRESENTING & PUBLISHING YOUR RESEARCH WORK



utmmjiit_official

https://mjiit.utm.my

PRESENTING AND PUBLISHING YOUR RESEARCH WORK

i-Kohza Level Presentation (Rinkoh)

In order to develop dynamic and holistic post-graduates, you are required to make numerous presentations during the study at MJIIT. One of the most important skills students at MJIIT should develop is the ability to communicate ideas and concepts to a group of people through formal and informal presentations. Presentation at i-Kohza level is compulsory and may include proposal presentations, critical design reviews, progress reports, project results, papers in technical conferences as well as poster presentation. The schedule and type of this presentation will be decided by Head of each i-Kohza. You can compile all presentation information that will be useful for your revision and thesis writing.

National and International Level Conference

Research presentations are excellent opportunities to demonstrate originality and inform others of valuable investigation findings. National and international conferences, seminars and journals contain audiences or referees who are experts in specific subject area who are capable of giving valuable advice and comments for further future improvements.

Today's technology and educational conferences or journals often provide websites with specific details about their expectations for papers. Information describing their preferences for paper topics, targeted audience, word length of papers, style format, how to create graphs and charts, multimedia directions and the amount of time allocated for each presentation are all provided. The publication process requires diligence, persistence and a willingness to shape presentation material to target specific groups of readers. Additionally, editors appreciate writers who provide creative research articles and meet their deadlines.

It is very important to cultivate good working relationships with editors who can assist student in sharing ideas with the academic community

SPS Policy Regarding Publication

A Master Philosophy candidate may submit his/her thesis for viva-voce provided that he/she produced at least one (1) accepted or published publication from a peer-reviewed journal article, conference proceeding or book chapter. A Doctor of Philosophy candidate may submit his/her thesis for viva-voce provided that he/she produced evidence of at least one (1) article published in Web of Science (WOS) indexed journal or at least two (2) published articles that have been accepted or published in journals indexed in SCOPUS/ERA/Journals listed in MyCite (Malaysian Citation Centre). Students must be the First Student Author of the article.

Students are encouraged to use *Turnitin* software to check the similarity of your manuscript with other published works before submitting the manuscript for publication. More information on the software is available at SPS website. Before submitting any manuscripts related to their research for publication, students must obtain their supervisor's approval. Additionally, students should list MJIIT and UTM as their affiliation in the publication, and their supervisor must be included as a co-author with their consent.

Progression of Research Students

Progression reviews are essential to monitor the progress and quality of your work. There are several parts in our progression review:

- Supervisory Review/Log book (optional)
- Research Progress Report
- First Level Assessment
- Pre-viva Assessment (At least 70%)
- Viva Voce

Figure 1 illustrates the flowchart outlining the overall process an academic journey by research students throughout their enrollment in the postgraduate research programme

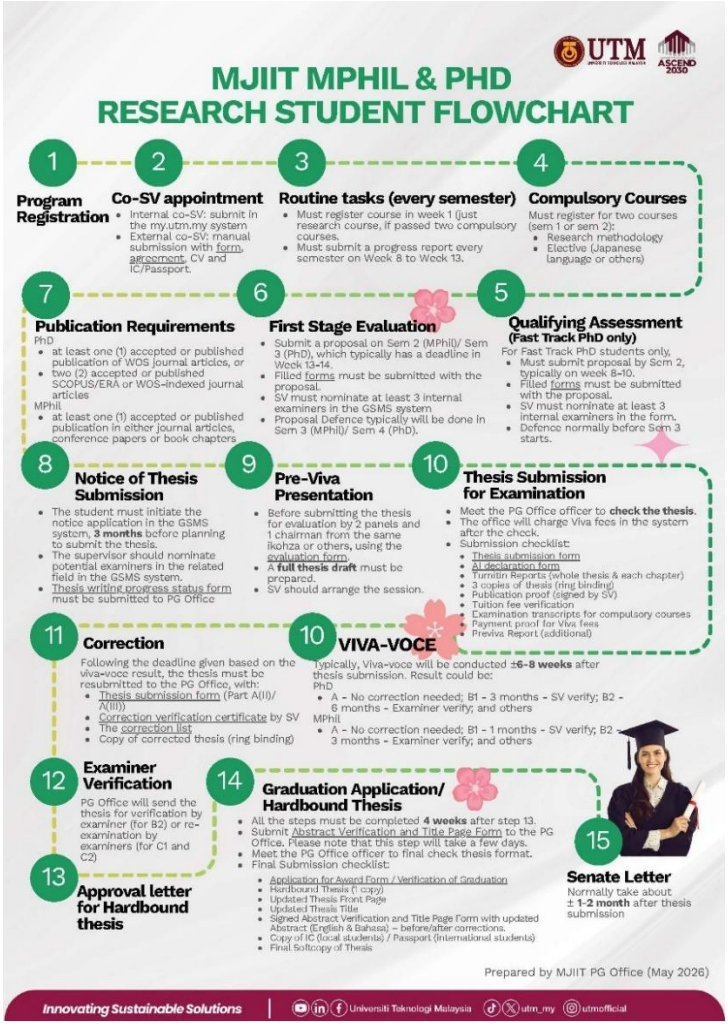


Figure 1 MJIIT Mphil and PHD Research Student Flowchart

Supervisory Review Report/Log book

This section is optional for research students (MPhil and PhD) as well as mixed mode students who are doing dissertation. This report records the summary of discussion in each meeting between you and your supervisor. The review form could be filled in online at MyAims website. You are required to summarize the discussion in this form and submit it to your supervisors before the next meeting. Things to be included:

- Objectives of the research currently worked on.
- Framework – guidelines, scope and ideas you are using to achieve the above objectives.
- Progress – improvement made compared to previous discussion.

Besides, you need to perform self-checking of your own progress by answering the following Yes/No questions in the review form as shown in Table 12. All the supervisory review reports must be attached together with the progress report that must be submitted at the end of each semester.

Table 12: Self-checking progress review questions

QUESTIONS
Has the student made sufficient progress in meeting the objectives?
Are the supervisor and student clear about current objectives?
Have any specific problems associated with the work or supervision been identified? If appropriate, please comment below.
Are the supervisor and student clear about the work to be done before the next meeting?

Research Progress Report

This section is for research students (MPhil, PhD and PhD Engineering Education) as well as mixed mode students who are doing dissertation. As a research student, you are required to submit progress reports to your supervisor by the end of every semester. As a mixed mode programme (consisting of research and taught courses) student, you are required to submit progress reports to your supervisor during the semesters when you register for the research course of dissertation. You need to complete:

- Programme information
- Research progress
- Publication progress
- Thesis progress

After completing the above information, your supervisor needs to fill in the evaluation part and submit it to the office. It may be done online at MyAims website. Progress report form could also be obtained from the website of SPS. Table 13 shows the results given to the student's progress report. Please also be noted that failure to submit the progress report will be given unsatisfactory results (TM). Two consecutive unsatisfactory results is considered Fail (KG) in the candidature.

Table 13 Summary of grades, marks and their interpretation

Overall Assessment	Statement by category	Mark Description
(a) Satisfactory	Excellent	9.0 ≤ M≤ 10.0
	Very Good	8.0 ≤ M≤ 9.0
		7.0 ≤ M≤ 8.0
	Good	6.0 ≤ M≤ 7.0
		5.0 ≤ M≤ 6.0
(b) Unsatisfactory	Fair	4.0 ≤ M≤ 5.0
		3.0 ≤ M≤ 4.0
(c) Fail	Poor	2.0 ≤ M≤ 3.0
		1.0 ≤ M≤ 2.0
		0.0 ≤ M≤ 1.0

First Level Assessment (Research Proposal Defence)

The Purpose of the First Level Assessment Guideline

The purpose of the First Level Assessment Guideline is to explain the purpose of the First Level Assessment, the eligibility for presenting the research proposal, and the document and presentation format.

Eligibility requirements for the First Level Assessment

i. Students have completed/are currently enrolled/have received credit transfer approval for the Research Methodology Course and the University General Course during the First Level Assessment

ii The supervisor needs to nominate either two (2) Examiners (academic staff active in research) or three (3) Examiners (if the student is a UTM staff) via the GSMS/MyAims System;

iii Master of Philosophy and Doctor of Philosophy students are allowed to submit their research proposal report for the First Level Assessment as early as the first semester.

iv For Master of Philosophy and Doctor of Philosophy students need to submit together with Research Ethics Approval Requirement Declaration Form.

Research Proposal Report Format

i. The research proposal must be prepared in soft copy format unless requested otherwise by the Examiner;

ii. The research proposal report must adhere to the guidelines and the latest version of UTM thesis format;

iii. The research proposal report is suggested to be between 50 to 100 pages and should have a Turnitin similarity index (or other software recommended by the university) of less than 20%;

iv. The research proposal should include discussions in Chapter 1 (Introduction), Chapter 2 (Literature Review), and Chapter 3 (Methodology) of the thesis, and generally should encompass (but not be limited to) the following discussions:

   a. Abstract
   b. Background of Problem
   c. Problem Statement

d. Objectives of Study
e. Research Questions
f. Conceptual Framework/Theoretical Framework
g. Importance of the Study
h. Operational Definitions
i. Literature Review
j. Research Methodology
k. Scope and Delimitations of the Study
l. Expected Research Findings
m. References

Research Proposal Presentation

The research proposal presentation involves a concise 20-minute overview of the research. Students must adhere to the time limit by summarizing the key aspects of the research.

Results of the First Level Assessment

Table 14 Results of the First Level Assessment are as follows:

Result	Description
P1	The research is accepted
P2	The research proposal is accepted with amendments. Corrections need to be verified by supervisor(s) within ONE (1) month
P3	The research proposal is accepted with amendments. Corrections without presentation and need to be verified by examiners within ONE (1) to THREE (3) months

P4	The research proposal is accepted with amendments. Corrections need to be verified by examiners within THREE (3) to SIX (6) months and re- presentation proposal in the following semester
P5	The research proposal is rejected. The student needs to submit and present a new proposal

Academic Regulations related to the Submission and Presentation of the First Level Assessment

i. Master's degree students who have not submitted their research proposal report for the First Level Assessment presentation in their third active semester will obtain the Fail (KG) decision due to consecutive Unsatisfactory (TM) Decisions over two semesters.

ii. Doctoral degree students who have not submitted their research proposal report for the First Level Assessment presentation in their fourth active semester will obtain the Fail (KG) decision due to consecutive Unsatisfactory (TM) Decisions over two semesters.

iii. A doctoral student who receives a Grade P5 (the research proposal is rejected and student needs to submit and present a new proposal) twice consecutively in the First Level Assessment shall be advised by the faculty to withdraw from the programme.

iv. If the student fails to do so within ONE (1) month from the date of the First Level Assessment, the student shall be deemed to have failed the programme unless reasonable grounds, considered and accepted by the faculty, justify granting the student another presentation opportunity.

Writing and Examining Your Thesis/Dissertation

For the PhD degree program, the minimum study duration is SIX (6) registered semesters, or THREE (3) registered years, while for the MPhil, it is a minimum of TWO (2) semesters. Before becoming eligible to submit your thesis for examination and meet the publication requirements for both the MPhil and PhD, students must fulfil these duration requirements. Students may also apply for early thesis submission by referring to the SPS website https://sps.utm.my/wp-content/uploads/2026/02/13.-Borang-Penyerahan-Tesis-Disertasi-1.pdf

Thesis/Dissertation Guideline

Writing a thesis is a challenging and time-consuming task. Therefore, you must schedule the thesis writing carefully. We recommend that the thesis writing should be started by the middle of your second last semester. A good thesis needs solid content as well as a skilful presentation. Besides, you must follow the thesis format and other guidelines set by SPS. Thesis manual can be downloaded from the SPS website (https://sps.utm.my/thesis-formatting-2023/)

The Oral Examination/Viva Voce

Students need to submit notification of thesis submission (NHT) three months before the thesis submission for examinations. The notification can be done through the GSMS. Please inform your supervisor of your intention to submit the thesis. You can only submit the thesis when your NHT has been endorsed by the JAPSU (UTM). During the submission of your thesis, you must have:

1. Pass Research Methodology and University elective course.
2. Pass First Level Assessment (Research proposal)
3. Meet the publication requirements.

4. Plagiarism for each chapter of thesis must be less 20%
5. No outstanding debt
6. Pay the viva-voce fees.
   a. PhD: RM2500 / RM2000(re-viva)
   b. MPhil: RM1500 / RM1000(re-viva)
7. Verification Tuition Fees Letter (Letter of Financial Clearance) from UTM Bursary
8. Obtaining Good Pass (KB) results from previous semester

You need to submit THREE (3) copies of your thesis to the academic office. For PhD (Engineering Education) and UTM staff you need to submit FOUR (4) copies of the thesis respectively. It is sufficient to submit temporarily bound copies (for example using a ring binding) with soft covers for examination purposes only, providing that the binding is secure.

Most External Examiners are very particular with grammatical and typographical errors, and it is the rare thesis where a list of these is not produced. Examiners are also careful in checking the References and you should avoid errors in the preparation of the Bibliography. The important thing is not just to avoid the correction of these errors afterwards, but to avoid implanting in the examiner's mind the idea that the thesis has been thrown together carelessly. It should therefore be a challenge to the student to produce a thesis which from cover-to-cover is absolutely free of these avoidable errors in English.

Concluding the Examining Process for Research Students

Following the examination for research students, the examiners need to sign the Examiner Report Form. The outcome of the examination will be one of the following recommendations:

Table 15 Preliminary results of the thesis evaluation are as follows:

Grade	Description
A	the degree be awarded unconditionally
B1	the degree be awarded subject to certain minor corrections of detail specified by the examiners. The corrections shall be carried out within ONE (1) month (MPhil) or THREE (3) months (PhD) of receipt of the specifications to the satisfaction of the supervisor
B2	the degree be awarded subject to certain changes specified by the examiners in the examiner report form. The revisions shall be carried out within a THREE (3) month and SIX (6) month and shall be confirmed by the Examiner
C	the thesis as a whole is unacceptable. The candidate is invited to resubmit the thesis taking account of the comments of the examiners. It will be resubmitted within a timescale to be determined by the examiners
D	the thesis as a whole is unacceptable for the award of a doctoral degree. The candidate is invited to revise and resubmit the thesis for an MPhil degree
E	no degree be awarded

Finally, after all corrections and revisions have been completed to the satisfaction of the supervisor or examiner(s), the faculty will issue a letter for the preparation of the final bound thesis. The student is required to submit one (1) hardbound copy of the thesis to the University. Please note that enrollment is required for graduation. The hardbound form can be obtained through the faculty email.

Concluding the Examining Process for Students of Taught Course Programme

Academic standing for a taught course programme student is based on cumulative grade point average (CGPA). Table 16 shows the academic standing for a taught course student. Students must maintain KB (Kedudukan Baik or Good Pass) with CGPA ≥ 3.0 or KS (Kedudukan Syarat or Conditional Pass) with 2.67≤CGPA<3.00 to continue study. Getting KG (Kedudukan Gagal or Fail) with CGPA <2.67 means the study will be terminated. To be qualified for degree conferment, the academic standing must be KB.

Table 16 Academic standing for Taught Course Programme

Marks	Grade	Points	Level of Achievement
90 - 100	A+	4.00	EXCELLENT PASS
80 - 89	A	4.00	
75 - 79	A-	3.67	
70 - 74	B+	3.33	GOOD PASS
65 - 69	B	3.00	
60 - 64	B-	2.67	PASS
55 - 59	C+	2.33	FAIL
50 - 54	C	2.00	
45 -49	C-	1.67	
40 - 44	D+	1.33	
35 - 39	D	1.00	
30 - 34	D-	0.67	
00 - 29	E	0.0	

GENERAL STUDENTS ACTIVITIES

1) VISA APPLICATION AND IMMIGRATION

The Immigration Department of Malaysia requires all International Students who have been offered to study at any local Institution of Higher Learning, to apply and obtain a valid student pass (visa) throughout their studies.

Application for student pass or enquiry on immigration related matters are managed by UTM International Office. Please be informed that the application only applies to registered students of UTM. Please contact UTM International Office at 03-4819 9092 / isckl@utm.my or walk-in to UTMKL Services Counter at Level 2 Menara Razak UTMKL for inquiry / further information.

2) MJIIT LIBRARY

Operation Hours
Monday to Friday (8.00 am - 4.30 pm)
Closed on Saturday, Sunday and Public Holidays

Location
Level 2, MJIIT building

You are able to borrow material from MJIIT Library using your student card.

3) UTM KL LIBRARY (PERPUSTAKAAN SULTANAH ZANARIAH)

Operation Hours
Monday to Friday (8.00 am - 6.00 pm)
Closed on Saturday, Sunday and Public Holidays

SERVICES

Catalogue

- UTM Library OCEAN (WebOPAC) is a computerized online catalogue of the materials held in the library. OCEAN consists of an index of the bibliographic data catalogued in the system, offering a variety of search capabilities such as the author, title, call number, subjects, together with an interactive request and renewal functionality.
- For more information go to opac.utm.my

Borrowing & Returning

- For borrowing purposes, users must produce their UTM ID cards or library membership card.
- Materials can be borrowed or returned at all three campuses (Johor Bahru, Pagoh and Kuala Lumpur).
- You can borrow from other university libraries through the Inter Library Loan (ILL) services.
- The number and duration of loans depend on the category of users as stipulated by the library.
  - Undergraduate- 10 books / 2 weeks
  - Postgraduate - 20 books / 1 month

- Books can be renewed 2 times if there are no holds for the item
- Fines of overdue will still be charged if renewal is made after the due date.

Other Services

- Online Training
- Request Library Class - opening gateways to information
- Computer Facilities
- Online Databases - provide access to journal literature either by providing the full text of articles or to article references and abstracts.
- Topic Guides - starting points for finding resources in specific subject areas.

Additional Information

- Visit the library website at https://library.utm.my/
- View the handbook at https://online.fliphtml5.com/rljlh/upuu/#p=1
- Assistance Service Desk in each library: telephone 03-4819 9077 or email at lib-enquirykl@utm.my
- Study & Discussion Rooms Bookings - small rooms are provided at the library for group work or individual study.

4) STUDENT ACCOMMODATION

KOLEJ SISWA JAYA

UTM Kuala Lumpur provides residential colleges that can accommodate up to2500 students in one academic session. These colleges are located at Taman Setapak Jaya known as Kolej Siswa Jaya (KSJ) which is approximately 2 km from UTM Kuala Lumpur campus. For information, please contact 03-4819 9086 or email to zairul.kl@utm.my.

UTM HOTEL & RESIDENCE

Located in the heart of Kuala Lumpur, with a spectacular view of KLCC, UTM Hotel & Residence offers convenient and well-equipped accommodation to students. For reservation, please contact 018-790 0879/03-2180 5343, or email to jana.kl@utm.my.

5) UTM KL HEALTH CENTRE

In UTM Kuala Lumpur, we provide health facilities for the staff and students by having facilities of health centres not only limited in the campus vicinity but also in the residential area (Kolej Siswa Jaya). The clinic in UTM KL campus operates during office hours for weekdays. After office hours and public holiday, we will be operating via on-call mode in the residential area (Kolej Siswa Jaya). In case of emergency, please contact the following number:

Office/Emergency: 03-4819 9079

6) TRANSPORTATION SERVICES

In UTM Kuala Lumpur, we provide bus services for the student to mobilize to or from UTM KL campus and Kolej Siswa Jaya (KSJ). The buses are available every day except on semester breaks and public holiday. The bus service during weekdays start as early as 7.00 am in the morning until 10.30 pm depends on the needs of the students and its' travels from Kolej Siswa Jaya (KSJ) to UTM Kuala Lumpur every 30 minutes. Weekend bus services are available upon request.

The bus services are not limited for the return campus trip only. Students can also request bus services for any student activities. For bus reservations, students may fill the form that is provided by the Student Affairs & Alumni Office (HEPA).

7) EMERGENCY CONTACTS

UTM KL Security Section	03-4819 9071
UTM KL Health Centre	03-4819 9079
UTM KL OSHE	03-4819 9076
Police/Ambulance/Fire & Rescue/Civil Defence	999
To call from any handphone	999/112

STUDENTS
DRESS CODE

UTM students should follow dress code regulations. Students' failure to comply with any of these regulations will be given a warning or fined not more than RM 50.00 (for first offense). Students will be referred to disciplinary authority for repeated offenses.

1. Students are expected **TO BE CLEAN, WELL GROOMED and DRESSED** in a manner appropriate to the Malaysian custom or norms.

2. Students must **MAINTAIN A PROFESSIONAL APPEARANCE** by wearing collared shirts/t-shirts, shoes, slacks or long skirts while attending classes and/or on official visits to Faculty/Administration buildings.

3. Avoid **WEARING INAPPROPRIATE CLOTHING or FOOTWEAR** including: -
   a. Shorts skirts or boxer shorts
   b. Round-neck T-shirt
   c. Sleeveless shirts
   d. Tight slacks/pants
   e. Slippers/sandals

4. During any formal/official university event, male students are **REQUIRED TO BE DRESSED** by wearing long sleeved shirts, necktie, slacks (not jeans) and leather shoes or **COMPLETE NATIONAL OUTFIT**. Female students are **REQUIRED TO WEAR 'BAJU KURUNG'** or **any APPROPRIATE SUIT** such as long skirts or loose slacks.

5. Female students are not allowed to **WEAR FACE VEILS ('NIQAB')** on campus.

6. Headgears such as **BANDANA or CAPS** must be removed while on formal/official visits or business on campus, except during sport activities.

7. For male students, **HAIR MUST BE NEATLY, TRIMMED and REASONABLE IN LENGTH**. **COLORING and FREESTYLE HAIRDO** are strictly prohibited.

8. **MALE STUDENTS** are strictly prohibited **TO PUT ON ANY FEMALE COSTUMES** and/or **ACCESSORIES and VICE VERSA**.

9. Male students are strictly prohibited **TO WEAR BANGLES, BRACELETS, EARRINGS and NECKLACES;** and female students are prohibited to have their **EARS PIERCED MORE THAN ONCE PER EAR,** as it is against the norms of Malaysian society.

10. **TATTOOS** are prohibited on any parts of the body.

11. Students **MUST PUT ON their MATRIC CARD** at all times while on campus/premises. The Matric Card **MUST BE WORN and DISPLAYED** at chest level.

UTM
UNIVERSITI TEKNOLOGI MALAYSIA
Jabatan Timbalan Naib Canselor (Hal Ehwal Pelajar dan Alumni)
TATACARA BERPAKAIAN PELAJAR UTM
STUDENT DRESS CODE
PAKAIAN MENGHADIRI MAJLIS RASMI DI UNIVERSITI
DRESS CODE DURING ANY FORMAL EVENT IN THE CAMPUS
Kad Prihatin Siswa WAJIB DIPAKAI semasa berada di kawasan kampus dan dipamerkan di bahagian hadapan paras dada.
All students MUST DISPLAY their MATRIC CARD to access any service in the campus. Prihatin Siswa Card must be WORN and DISPLAYED at the chest level.
LARANGAN
PROHIBITIONS
Rambut berwarna
Coloured hair
Rambut panjang / Berekor
Long / Rat tail hairstyle
Bertatu
Tattoo
Berselipar / Bercapal
Slippers
Baju leher bulat
Round collared shirt
Bertopi / bandana
Cap / Hat / Bandana
Berpakaian menyerupai berlainan jantina
Cross-dressing
Baju tanpa lengan
Sleeveless shirt
Berpurdah
Purdah
Berskirt / berseluar pendek atas paras lutut
Skirt / Shorts above knee level
Bertindik hidung / Bersubang di telinga lebih daripada satu
Nose piercing / Multiple earings in one ear
Pakaian ketat / jarang / singkat
Tight / transparent / short attire
PERINGATAN
WARNING
Pelajar yang didapati ingkar, boleh dikenakan AMARAN atau DENDA TIDAK MELEBIHI RM50.00 (Kesalahan Pertama) atau dihadapkan kepada Jawatankuasa Tatatertib Pelajar bagi kesalahan berulang
Failure to comply with any of these regulations will result in a WARNING or a FINE OF NOT MORE THAN RM50.00 (For First Offence) or being referred to the Student Disciplinary Committee for any subsequent offence
SCAN ME
MAKLUMAT LENGKAP BOLEH DIRUJUK DALAM BUKU PERATURAN MAHASISWA UTM
MORE INFORMATION CAN BE FOUND IN THE STUDENT REGULATIONS BOOK
DILULUSKAN DALAM MESYUARAT JAWATANKUASA PENGURUSAN UTM BIL. 18/2020 BERTARIKH 10 OGOS 2020
ENDORSED BY UTM MANAGEMENT COMMITTEE MEETING NO. 18/2020 DATED 10TH AUGUST 2020
JAWATANKUASA TATATERTIB PELAJAR UTM
STUDENT DISCIPLINARY COMMITTEE OF UNIVERSITI TEKNOLOGI MALAYSIA
Versi Mac 2024

UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Jabatan
Timbalan Naib Canselor
(Hal Ehwal Pelajar dan Alumni)

TATACARA BERPAKAIAN PELAJAR UTM

STUDENT DRESS CODE

PAKAIAN MENGHADIRI KULIAH / TUTORIAL / MAKMAL (TERMASUK URUSAN RASMI DI FAKULTI / PERPUSTAKAAN / PEJABAT PENTADBIRAN DI DALAM KAWASAN KAMPUS)

DRESS CODE FOR ATTENDING LECTURES / TUTORIALS / LABORATORIES (INCLUDING OFFICIAL VISIT TO FACULTY / LIBRARY / ADMINISTRATION OFFICE IN THE CAMPUS)

Kad Prihatin Siswa WAJIB DIPAKAI semasa berada di kawasan kampus dan dipamerkan di bahagian hadapan paras dada.

All students MUST DISPLAY their MATRIC CARD to access any service in the campus. Prihatin Siswa Card must be WORN and DISPLAYED at the chest level.

SCAN ME

MAKLUMAT LENGKAP BOLEH DIRUJUK DALAM BUKU PERATURAN MAHASISWA UTM

MORE INFORMATION CAN BE FOUND IN THE STUDENT REGULATIONS BOOK

LARANGAN
PROHIBITIONS

- **Rambut berwarna** *Coloured hair*
- **Rambut panjang / Berekor** *Long / Rat tail hairstyle*
- **Bertatu** *Tattoo*
- **Berselipar / Bercapal** *Slippers*
- **Baju leher bulat** *Round collared shirt*
- **Bertopi / bandana** *Cap / Hat / Bandana*
- **Berpakaian menyerupai berlainan jantina** *Cross-dressing*
- **Baju tanpa lengan** *Sleeveless shirt*
- **Berpurdah** *Purdah*
- **Berskirt / berseluar pendek atas paras lutut** *Skirt / Shorts above knee level*
- **Bertindik hidung / Bersubang di telinga lebih daripada satu** *Nose piercing / Multiple earings in one ear*
- **Pakaian ketat / jarang / singkat** *Tight / transparent / short attire*

PERINGATAN
WARNING

Pelajar yang didapati ingkar, boleh dikenakan AMARAN atau DENDA TIDAK MELEBIHI RM50.00 (Kesalahan Pertama) atau dihadapkan kepada Jawatankuasa Tatatertib Pelajar bagi kesalahan berulang

Failure to comply with any of these regulations will result in a WARNING or a FINE OF NOT MORE THAN RM50.00 (For First Offence) or being referred to the Student Disciplinary Committee for any subsequent offence

DILULUSKAN DALAM MESYUARAT JAWATANKUASA PENGURUSAN UTM BIL. 18/2020 BERTARIKH 10 OGOS 2020
ENDORSED BY UTM MANAGEMENT COMMITTEE MEETING NO. 18/2020 DATED 10TH AUGUST 2020

JAWATANKUASA TATATERTIB PELAJAR UTM
STUDENT DISCIPLINARY COMMITTEE OF UNIVERSITI TEKNOLOGI MALAYSIA

Versi Mac 2024

UTM
UNIVERSITI TEKNOLOGI MALAYSIA
Jabatan Timbalan Naib Canselor (Hal Ehwal Pelajar dan Alumni)
TATACARA BERPAKAIAN PELAJAR UTM
STUDENT DRESS CODE
PAKAIAN KE TEMPAT UMUM
DRESS CODE FOR PUBLIC PLACES
SCAN ME
MAKLUMAT LENGKAP BOLEH DIRUJUK DALAM BUKU PERATURAN MAHASISWA UTM
MORE INFORMATION CAN BE FOUND IN THE STUDENT REGULATIONS BOOK
LARANGAN
PROHIBITIONS
Rambut berwarna
Coloured hair
Rambut panjang / Berekor
Long / Rat tail hairstyle
Bertatu
Tattoo
Berpakaian menyerupai berlainan jantina
Cross-dressing
Baju tanpa lengan
Sleeveless shirt
Berpurdah
Purdah
Berskirt / berseluar pendek atas paras lutut
Skirt / Shorts above knee level
Bertindik hidung / Bersubang di telinga lebih daripada satu
Nose piercing / Multiple earings in one ear
Pakaian ketat / jarang / singkat
Tight / transparent / short attire
PERINGATAN
WARNING
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UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Jabatan
Timbalan Naib Canselor
(Hal Ehwal Pelajar dan Alumni)

TATACARA BERPAKAIAN PELAJAR UTM

STUDENT DRESS CODE

PAKAIAN SUKAN / RIADAH

SPORTS DRESS CODE

SCAN ME

MAKLUMAT LENGKAP BOLEH DIRUJUK DALAM BUKU PERATURAN MAHASISWA UTM

MORE INFORMATION CAN BE FOUND IN THE STUDENT REGULATIONS BOOK

Tatacara Berpakaian bagi aktiviti sukan perlu berpandukan kepada **ETIKA BERPAKAIAN KHUSUS UNTUK ATLET** di padang.

*Dress Code for sports activities must comply with **SPECIFIC DRESS CODE FOR ATHLETES.***

LARANGAN
PROHIBITIONS

- **Pakaian ketat / jarang / singkat**
  Tight / transparent / short attire
- **Berseluar pendek atas paras lutut**
  Shorts above knee level
- **Baju tanpa lengan**
  Sleeveless shirt
- **Rambut berwarna**
  Coloured hair
- **Rambut panjang / Berekor**
  Long / Rat tail hairstyle
- **Bertatu**
  Tattoo
- **Bertindik hidung / Bersubang di telinga lebih daripada satu**
  Nose piercing / Multiple earings in one ear

PERINGATAN
WARNING

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STUDENT DISCIPLINARY COMMITTEE OF UNIVERSITI TEKNOLOGI MALAYSIA

Versi Mac 2024

UTM UNIVERSITI TEKNOLOGI MALAYSIA | Malaysia-Japan International Institute of Technology (MJIIT)

POSTGRADUATE (PG) ACADEMIC GUIDELINES **2026 / 2027**

GENERAL INFORMATION ABOUT
MALAYSIA

utmmjiit_official | https://mjiit.utm.my

GENERAL INFORMATION FOR MALAYSIA

Kuala Lumpur is the capital and the most populous city of Malaysia. The Federal Territory of Kuala Lumpur covers an area of **243 km² (94 sq. mi.)** and has a population of approximately **2.1 million** based on the latest available official estimates. **Greater Kuala Lumpur**, also known as the **Klang Valley**, is a major metropolitan area with a population of **more than 8.8 million**, with the metropolitan population estimated at approximately **9.18 million in 2026**. Greater Kuala Lumpur is one of Malaysia's most important urban and economic centres and is experiencing continued population and economic growth.

ARRIVING AT KUALA LUMPUR INTERNATIONAL AIRPORT (KLIA)

Kuala Lumpur International Airport (KLIA Terminal 1) and **Kuala Lumpur International Airport Terminal 2 (KLIA Terminal 2)** serve both domestic and international flights. The airport is located in Sepang, approximately 50 km south of Kuala Lumpur city centre. Upon arrival, you may travel to Kuala Lumpur city centre or Universiti Teknologi Malaysia (UTM) via the KLIA Ekspres, taxi, ride-hailing services, or airport bus services.
The KLIA Ekspres provides a non-stop rail connection between **KLIA and KL Sentra**l, the city's main transportation hub. The journey takes approximately 28 minutes, with train services operating daily from early morning until after midnight. Trains depart at regular intervals of approximately 15–20 minutes. For further information, please visit the official KLIA Ekspres website.

Information on public transportation options and fare rates can be accessed through the official KLIA (Terminal 1) and KLIA2 (Terminal 2) websites.

CURRENCY

The currency of Malaysia is the Malaysian Ringgit (RM), which is equivalent to 100 sen. Foreign currencies can be exchanged at banks, licensed money changers, and airport currency exchange counters. The approximate interbank exchange tracking values indicate USD 1.00 ≈ RM 4.07*, or Yen 100 = RM 2.63*.

** Note: Foreign exchange markets fluctuate constantly; currency values are subject to change.*

VOLTAGE

The electricity supply in Malaysia is 220-240 volts a.c. at 50 Hz which follows the U.K. configuration.

WEATHER

Malaysia features a tropical rainforest climate characterized by hot, humid weather year-round. Daily midday peak temperatures routinely average around 34°C, dropping to a cooler 24°C at night.

The country experiences two distinct monsoon seasons:

- **Northeast Monsoon (November to March):** Brings increased cloud cover and heavier rainfall, making afternoon weather patterns slightly cooler.
- **Southwest Monsoon (May to September):** Generally drier but still prone to sudden, short tropical showers.

VISA

Citizens of many nations enjoy visa-free entry privileges for social visits lasting up to 90 days. To verify your specific visa criteria or apply for an Electronic Visa (eVISA), check the official immigration directory at https://malaysiavisa.imi.gov.my

SHOPPING HOURS

Most shopping malls and retail outlets operate from 10:00 a.m. to 10:00 p.m. daily. Restaurants and cafés generally operate until late evening, while some establishments remain open 24 hours.

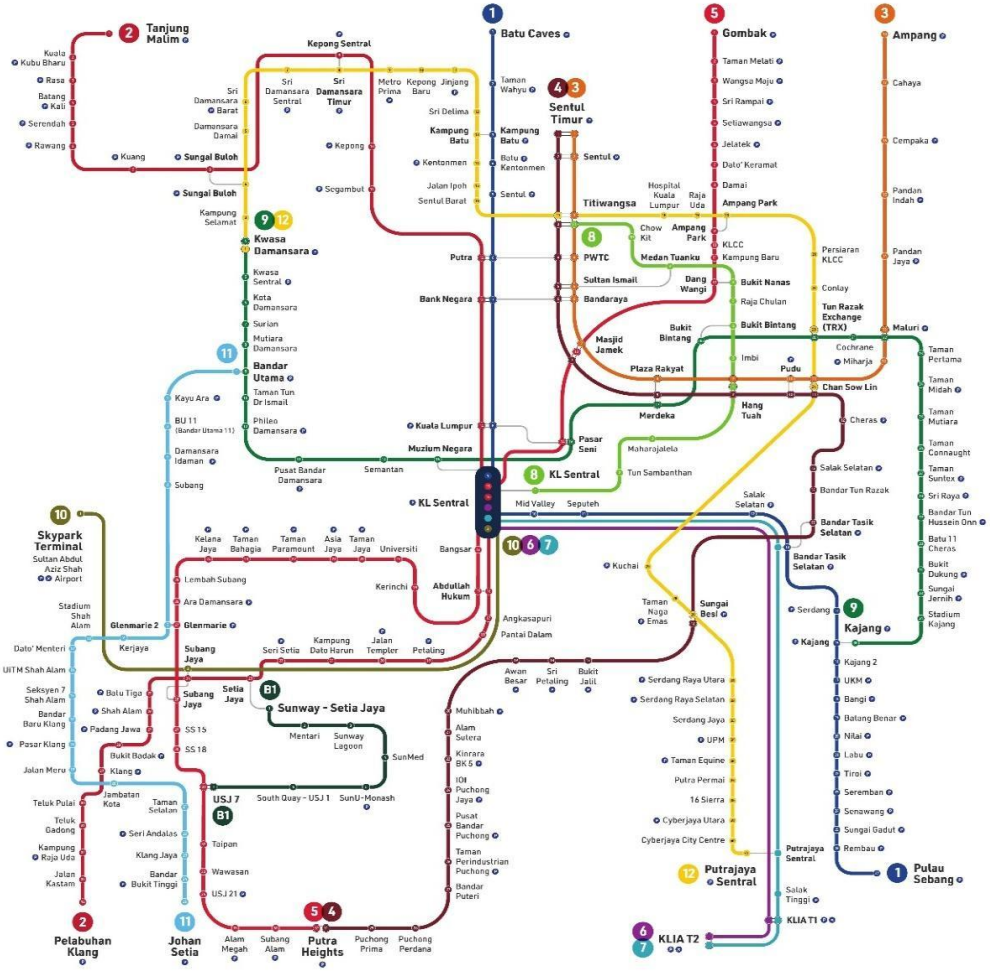
TELEPHONES

The international dialling code is “00” to be followed by the respective country code. For Malaysia, the country code is “+60”.

PUBLIC TRANSPORTATION

Kuala Lumpur has an extensive public transportation network comprising Mass Rapid Transit (MRT), Light Rail Transit (LRT), Monorail, KTM Komuter, buses, and ride-hailing services.

THE KLANG VALLEY INTEGRATED TRANSIT MAP



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