



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Malaysia-Japan
International
Institute of Technology
(MJIT)

POSTRADUATE (PG) ACADEMIC GUIDELINES 2025/2026



<https://mjiit.utm.my/>

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ABOUT THIS HANDBOOK

This handbook provides information to postgraduate students undertaking programmes at MJIIT. MJIIT is committed to ensuring the quality of your research and study experience and, as such, this handbook will help you to understand the minimum requirements to safeguard high standards of postgraduate degree activity as well as informing you about all the support available to you as you progress through your degree. You should read this handbook in conjunction with the Academic Rules of Graduate Studies and the relevant information in the websites in Table 1.

Table 1: List of Useful Websites

Faculty/Unit	Website
MJIIT	http://mjiit.utm.my
UTM Kuala Lumpur Campus	http://kl.utm.my
Universiti Teknologi Malaysia	www.utm.my
Student Recruitment and Admission Division (SRAD)	http://admission.utm.my/
Academic Management Division (AMD)	https://amd.utm.my/
School of Postgraduate Studies (SPS)	http://sps.utm.my/
Library (PSZ)	http://library.utm.my/
UTM Digital	https://digital.utm.my/
UTM International Student Centre	https://international.utm.my/
Student Affairs and Alumni	https://studentaffairs.utm.my/

PRELIMINARIES

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

Dean
Malaysia-Japan International Institute of Technology (MJIT)
Universiti Teknologi Malaysia
Jalan Sultan Yahya Petra, 54100 Kuala Lumpur, Malaysia
Tel: 603-2203 1200 Fax: 603-2203 1266
Email: mjiit@utm.my

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Prepared by

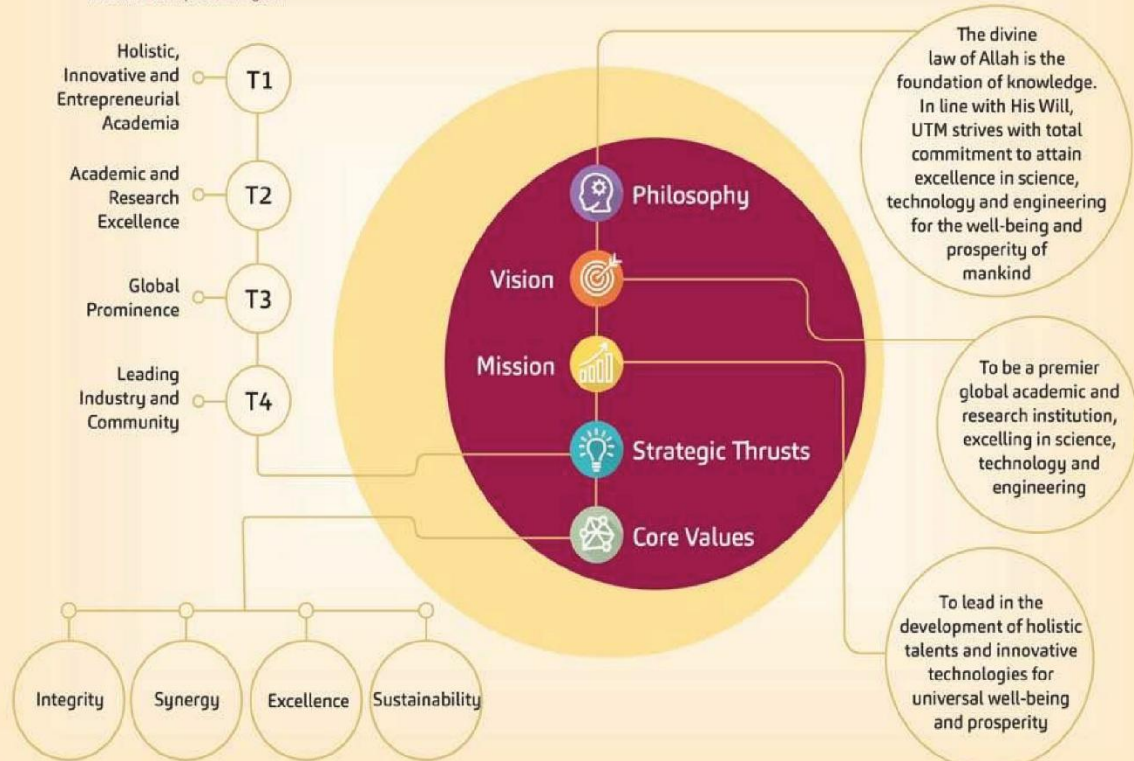
Head of Departments Ts. Dr. Aizul Nahar bin Harun Assoc. Prof. Ir. Dr. Dayang Norulfairuz binti Abang Zaidel Ir. Ts. Dr Mohd Hatta bin Mohammed Ariff Ts. Dr. Uswah binti Khairuddin Postgraduate Academic Manager Assoc. Prof. Dr. Roshafima binti Rasit Ali Coordinators Assoc. Prof. Dr Pauziah binti Muhamad Ir. Dr. Tan Lian See Ts. Dr. Zulhasni bin Abdul Rahim Dr Fatin Syahirah binti Othman Dr Ayuni binti Shamsul Bahri Lar. Dr. Rohayah binti Che Amat Dr. Zatil Izzah binti Ahmad Tarmizi Dr. Nurul Zainab binti Along	Design Concept & Photo Editor: Mr. Muhammad Syafiq Bin Yazid Postgraduate Academic Unit Mrs. Norfazliana Binti Jaafar Ms. Farhanah binti Hashim Mr. Mohd Danial bin Mohd Taufik Official Postgraduate Email mjiitpostgraduate@utm.my
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UTM PHILOSOPHY, VISION, MISSION, STRATEGIC THRUSTS & CORE VALUES



innovative • entrepreneurial • global

UTM Philosophy, Vision, Mission, Strategic Thrusts and Core Values



MJIIT VISION & MISSION



VISION

Leading in cutting edge
technology education and
research



MISSION

Providing Japanese style
engineering education blended
with Malaysia distinctiveness for
sustainable industry and society

Leading in academic and research
excellence in Electronics, Precision,
Environmental & Green Technology
and Management of Technology

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 (MJIIIT). 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.

MESSAGE FROM DEAN

Assalamualaikum, Salam Sejahtera, Konnichiwa

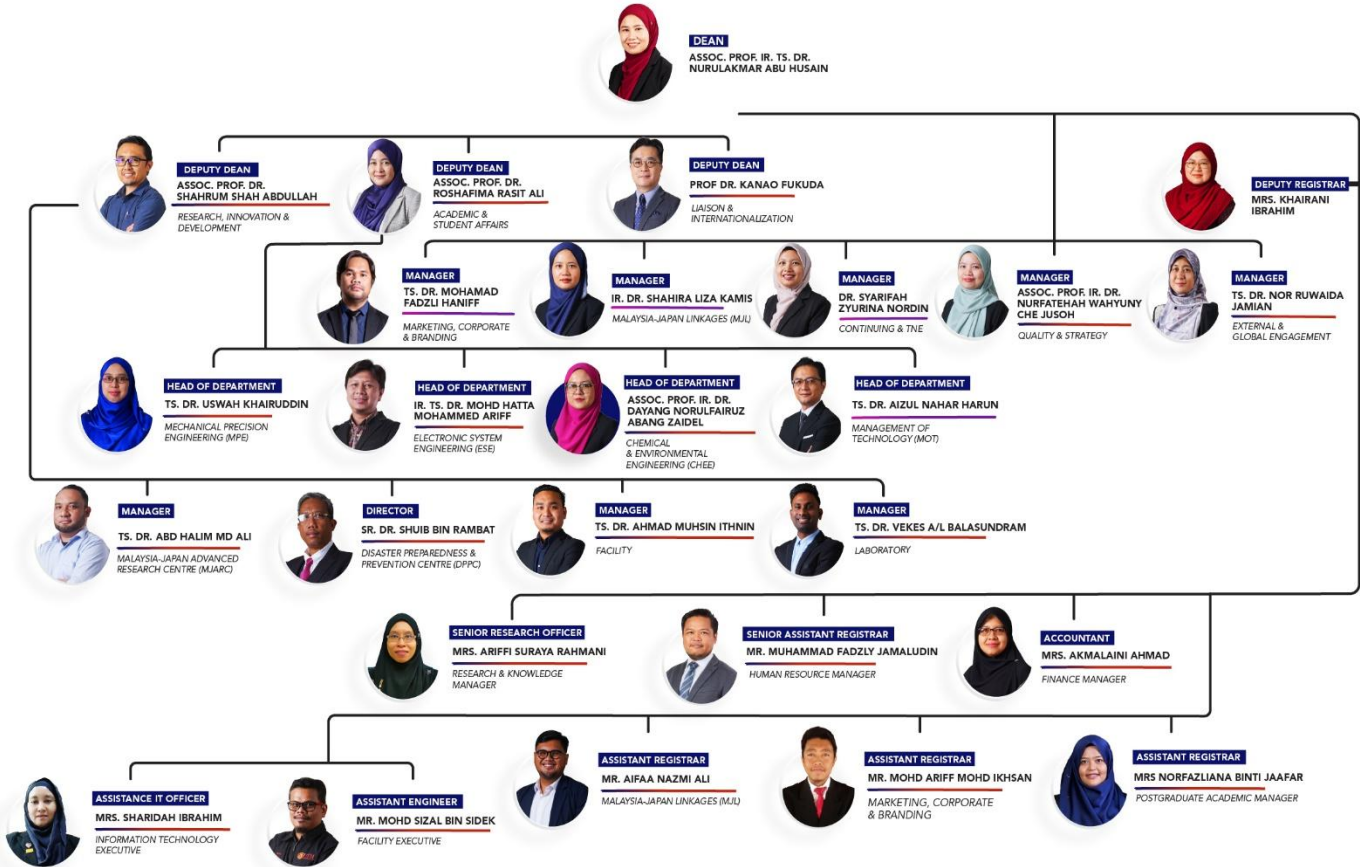
My heartiest congratulations and warmest welcome to all students to Malaysia-Japan International Institute of Technology (MJIIT), Universiti Teknologi Malaysia (UTM). MJIIT UTM is located in Kuala Lumpur which is preparing to become world leading Japanese-oriented engineering education hub with support 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!

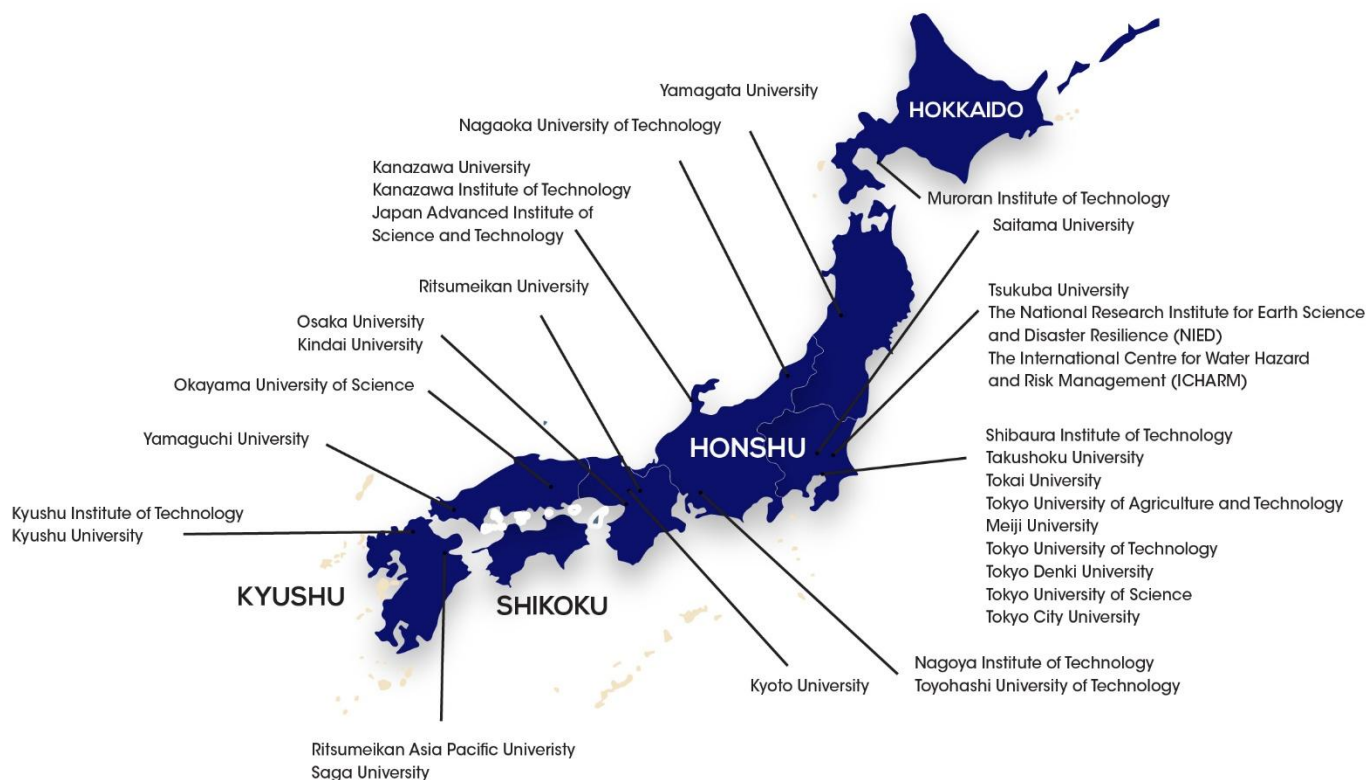
**ASSOC. PROF. IR. TS. DR.
NURULAKMAR ABU HUSAIN**



MJIIT MANAGEMENT ORGANIZATION CHART



JAPANESE UNIVERSITY CONSORTIUM



32 MEMBERS

UNIQUENESS OF MJIIT

QUALITY EDUCATION

1

100%
ACCREDITED
BY ENGINEERING
ACCREDITATION COUNCIL
MALAYSIA

FINANCIAL SUPPORT

2

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

JAPANESE STYLE EDUCATION

3

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

WORLD RANKING

4

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

JAPANESE GOVERNMENT SUPPORT

5

JICA
JACTIM
RESEARCH GRANTS
SCHOLARSHIPS
VARIETY OF EXCHANGE PROGRAMS

JAPANESE MOBILITY PROGRAMS

6

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

STATE-OF-THE-ART LABORATORIES

7

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

EXCLUSIVE PARTNERSHIPS

8

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

EMPLOYABILITY

9

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

ACCOMMODATION

10

ON-CAMPUS ACCOMMODATION
AVAILABLE



POSTGRADUATE STUDIES

POSTGRADUATE STUDIES

All postgraduate students are attached to research group and participated in research activities. Therefore, to equip the students and accelerate them on their research, MJIT offers the *iKohza* system. This *iKohza* 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 *iKohzas* and the centre of excellence at MJIT.

Research Fellow (Associate Member)	<i>iKOHZA</i>
1. COEs / LABs / RGs in Skudai	1. Shizen Conversion & Separation Technology (Shizen) 2. Pattern Recognition & Robotics Automation (PRA) 3. Air Resources (AR) 4. Communication Systems & Networks (CSN) 5. Intelligent Dynamic System (IDS) 6. Advanced Devices and Material Engineering (ADME) 7. Tribology and Precision Machining (TriPreM) 8. Vehicle System Engineering (VSE) 9. Wind Engineering for (Urban, Artificial, Man-Made) Environment (WEE) 10. Environmental Resilience and Sustainability (ERS) 11. Embedded System (ES) 12. Engineering Materials and Structure (eMAST) 13. Optical Devices and Systems (ODESY) 14. Takasago Thermal/Environmental System (TAKASAGO) 15. Chemical Energy Conversions and Applications (CheCA)
2. Other COEs / LABs from other universities	

Research Fellow (Associate Member)	<i>i</i> KOHA
	16. Metabolic Engineering and Molecular Biology (MemoBio) 17. Algal Biomass (ALGAE) 18. Intellectual Property and Innovation Management (IPIM) 19. Software Engineering of Industrial Revolution (SEIR) 20. Wellness Innovation Technology (WIT)

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

Note:

COE – Centre of Excellence

LAB – Laboratory

RG – Research Group

Director of Centres

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 iKohza

iKOHZA	Head
Pattern Recognition & Robotics Automation (PRA)	Assoc. Prof. Ir. Dr. Zool Hilmi bin Ismail
Shizen Conversion & Separation Technology (Shizen)	Prof. Dr. Tomoya Tsuji
Air Resources (AR)	Ts. Dr. Nor Ruwaida binti Jamian
Communication Systems & Networks (CSN)	Prof. Dr. Yoshihide Yamada
Intelligence Dynamics and System (IDS)	Prof. Ir. Ts. Dr. Aminudin bin Hj. Abu
Advanced Devices and Materials Engineering (ADME)	Prof. Ts. Ir. Dr. Abdul Manaf bin Hashim
Tribology and Precision Machining (TriPreM)	Prof. Dr. Kanao Fukuda
Vehicle System Engineering (VSE)	Assoc. Prof. Dr. Fauzan bin Ahmad
Wind Engineering for (Urban, Artificial, Man-Made) Environment (WEE)	Dr. Ahmad Faiz bin Mohammad
Environmental Resilience and Sustainability (ERS)	Assoc. Prof. Dr. Shahrum Shah bin Abdullah
Embedded System (ES)	Assoc. Prof. Ir. Dr. Ooi Chia Yee
Engineering Materials and Structure (eMAST)	Prof. Ir. Ts. Dr Saiful Amri bin Mazlan
Chemical Energy Conversions and Applications (CHECA)	Professor. Dr. Mohamed Mahmoud Elsayed Nasef
Metabolic Engineering and Molecular Biology (MemoBio)	Prof. Ir. Dr. Muhamad Ali bin Muhammad Yuzir
Optical Devices and Systems (ODESY)	Dr. Husni Hani Jameela binti Sapingi
Takasago Thermal/Environmental Systems (TAKASAGO)	Dr. Muhammad Thalhah bin Zainal
Algal Biomass (ALGAE)	Assoc. Prof. Dr. Koji Iwamoto
Intellectual Property and Innovation Management (IPIM)	Dr. Rahayu binti Tasnim
Software Engineering of Industrial Revolution (SEIR)	Dr. Halinawati binti Hirol
Wellness Innovation Technology (WIT)	Assoc. Prof. Dr. Azila bte. Abd. Aziz

Centre of Excellence Research Interest

Disaster Preparedness & Prevention Centre (DPPC)
● 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

iKOHZA RESEARCH INTERESTS

Communication Systems and Network	<i>Shizen</i> Conversion & Separation Technology	Pattern Recognition & Robotics
• Antennas and Propagation • Antenna for Human Health Care • Radar Cross Section • Cognitive Radio Networks • Cloud Computing • Network Security • Industrial Cybersecurity • Mobile Communication	• Sustainable energy • Biofuels • New materials • Utilization of wastes • Thermodynamic models • Process design & control • Apparatus and assembly design • Chemical engineering • High pressure technologies • Design of chemical processes and control based on mathematical models.	• Artificial Intelligence • Brain Computer Interface and Swarm Intelligence • Machine Vision • Design Optimization and Workflow • Low Carbon Transport • Automotive Turbocharger • Nonlinear Control • Multiple Agent System • Drone System • Rehabilitation Robot • CCTV Dashboard Data • Automated Purchase Order • Warehouse Management System • Supply Chain
Intelligence Dynamics and System	Air Resources	Intellectual Property and Innovation Management
• Noise and Vibration Control • Damaged Detection	• Air Pollutions • Nanomaterials • Nanofibres	• Intellectual Property Management • Innovation Management

● Intensity Identification ● Non –linear System Identification ● Vibration damper and active suspension system ● Structural Dynamics vibration ● Noise ● Computer fluid dynamics	● Environmental Engineering ● Plasma Processing ● Safety, Health & Environment	● Business Analytics ● Finance ● IOT ● TRIZ ● Psychometrics ● Entrepreneurship
Tribology & Precision Machining	Advanced Devices & Materials Engineering	Advanced Vehicle System
● Tribology ● Precision machining ● Surface modification (polishing, lapping, grinding) ● Grease development ● Hard composite coating ● Biomaterials ● Adhesive wear mechanism study ● Mechanical transmission development ● Piano action tribology ● Trace humidity controller development ● Development of composite coating - Synthesis/growth of oxide and metal coating, as well as expand their potential as self-lubricated coating	Material Engineering Area: ● Synthesis/growth of carbon nanomaterials ● Semiconductors ● Organic/ molecular materials and biomaterials Micro-nanodevice Area: ● Novel nanodevices and functional devices covering electronic/photonic devices, microfluidic devices ● Sensors and solar cells	● Bio-signal Processing ● AI & Robotics ● Active Safety & Autonomous Vehicles ● Vehicle Safety ● Product Design ● Structural Dynamics ● Smart Materials

• Development of bio-coating for biomedical applications • Development of Ultrasonically assisted effector for cutting/grinding fluid • Development of ball screw shaft finishing machine		
Wind Engineering and Environment	Biologically Inspired Systems and Technology	Embedded System
• Heat Urban Island • Thermal Comfort • Wind Engineering • Control Application • IoT • Artificial Intelligent • Air Conditioning (HVAC) • Urban Microclimate • Airfoil Serration • Thermoelectric Harvesting • Passive Vibration Control	• Neural System • Self-Organization Learning, Swarm Intelligence • Intelligent System • Manufacturing Robot • Neural Network and Artificial Intelligence • Intelligent Control • Underwater Robotic • Deep Learning and Control System	• Digital Systems Design • Design-for-Testability • FPGA • IoT-enabled System
Chemical Energy Conversions and Applications	Engineering Materials and Structure	Metabolic Engineering and Molecular Biology
• Nanoscience and Nanotechnology • Functional Polymeric Materials	• Magnetorheological • Composite • Artificial Intelligence • Coating	• Biodegradation • Biocoke production • Soil-cooling temperate crops

• Membranes • Radiation Grafting • Homo/Heterogeneous Catalysis • Photo Catalyst • Renewable Energy • Biomass for Biofuels Production • Biodegradable Plastic • Environmental Green Chemistry • Molecular Simulation • Structural Bioinformatics • Drug Delivery • Biomedical Science	• Machine Learning • 3D Printing • Nanomaterials • Thin Film	• Gene expression • Lignin bio-depolymerization, • Copper biodegradation • Waste water treatment
Optical Devices and Systems	Takasago Thermal/Environmental Systems	Algal Biomass
• Optical Communication • Optical Sensors • Amplifiers • Radio over fiber • Optical Interconnect	• Low carbon • Energy saving technologies • Heat transfer • Nano particle / Nano fluid • Mathematical modelling	• Algae • Microbes • Biomass production • Wastewater Treatment • Organic waste

Software Engineering Of Industrial Revolution	Wellness Innovation Technology
• Software Engineering • System Development • Database • System Analysis and Design • IoT (Internet of Things)	• Plant extract • Nanocarriers • Cosmetic • Wellness • Formulation

	● Drug delivery systems ● Biosensor ● Biopesticide ● Natural product ● Bioprocessing ● Food technology ● Enzymatic processes ● Structural bioinformatics ● Computational biology ● Biopolymer
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2025/2026 SESSION

ACADEMIC

CALENDAR

IMPORTANT DATE	PROGRAMME
27-28 September 2025	Registration of New Students Semester I, 2025/2026 Session
06 October 2025 – 15 March 2026 (23 Weeks)	SEMESTER I
06 October 2025 - 23 November 2025	Session Lecturer start
24 - 30 November 2025	Mid Semester Break, Semester I, 2025/2026 Session
01 December 2025 - 18 January 2026	Continuation of Semester I, 2025/2026 Session Lectures
07 - 08 March 2026	Registration of New Students Semester II, 2025/2026 Session (March Intake)
16 March 2026 - 04 October 2026 (29 Weeks)	SEMESTER II
16 March 2026 - 03 May 2026	Session Lecturer start
04 – 10 May 2026	Mid Semester Break, Semester II, 2025/2026 Session
11 May - 28 June 2026	Continuation of Semester II, 2025/2026 Session Lectures
20 July – 04 October 2026	SHORT SEMESTER
20 - 21 July 2026	Course Registration for Short Semester 2025/2026
27 July - 18 September 2026	Short Semester Session Lecturer start
21 September 2026 – 04 October 2026	Final Break for Short Semester

ACADEMIC CALENDAR SESSION 2025/2026

UNIVERSITI TEKNOLOGI MALAYSIA POTGRADUATE PROGRAMME

MALAYSIA PUBLIC HOLIDAY

20 October 2025	Deepavali
25 December 2025	Christmas Day
1 January 2026	New Year
1 February 2026	Thaipusam & Federal Territory Day
2 February 2026	Federal Territory Day Holiday (for KL Only)
17- 18 February 2026	Chinese New Year Holiday
7 March 2026	Nuzul Al Quran (Public Holiday for KL Only)
21 March - 23 March 2026	Aidilfitri Eid Holiday
1 May 2026	Labour Day
27 - 28 May 2026	Aidil Adha Eid Holiday Wesak Day
31 May - 1 June 2026	Wesak Day Holiday & Agong's Birthday
17 June 2026	Awal Muharram
25 August 2026	The Prophet Muhammad S.A.W Birthday
31 August 2026	National's Day
16 September 2026	Malaysia Day
8 - 9 November 2026	Deepavali
25 December 2026	Christmas Day

Note: Subject to change



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Malaysia-Japan
International
Institute of Technology
(MJIT)

DEGREE OFFERED & PROGRAM SPECIFICATIONS

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 of Science (Engineering Education by Taught Course)
- vii. Master of Science (Sustainable Urban Design by Taught Course)
- viii. Master in Sustainable Systems (by taught course)
- ix. Master in Sustainable Systems via Open and Distance Learning (Taught course)
- x. Master of Sustainability and Environmental Sciences (Joint Degree University of Tsukuba)
- xi. Master in Technology and Innovation Management (by taught course)
- xii. Master in Technology and Innovation Management (Double Degree with Yamaguchi University)

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)	6	16
Doctor of Philosophy (Engineering Education)	6	16

Programme	Minimum (semesters)	Maximum (semesters)
Doctorate of Professional Practice	6	16
Master of Philosophy (MPhil)	2	8
Master of Disaster Risk Management	2 normal semesters + 1 short semester	8
Master of Science (Engineering Education)	3	8
Master of Science (Sustainable Urban Design)	3	8
Master in Sustainable Systems Master in Sustainable Systems via Open and Distance Learning	2 normal semesters + 1 short semester	8
Master of Sustainability and Environmental Sciences (Joint Degree with University of Tsukuba)	4	8
Master in Technology and Innovation Management	3	8
Master in Technology and Innovation Management (Double Degree with Yamaguchi University)	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

Program Learning Outcome (PLO)

- 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 value 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. Table 1 shows the duration of studies.

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

- Research course – this is the core course that you need to register every semester.
- Research methodology – you need to take this course once throughout your study.
- You could apply for credit transfer if you have taken an equivalent course before.
- University elective course – you need to take at least one university elective course.

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 2	3
Prerequisite (Research student)	UMJP 0010		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 2 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
UHS 6013	Philosophy of Science and Civilization	3
UHPP 6013	Dynamics of Leadership	3
URTS 6013	Environmental Ethics	3
UECS 6013	It Project Management	
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 (Engineering Education)

Table 3 summarizes the curriculum for both MPhil and PhD programmes

Table 3 Curriculum for PhD Engineering Education students by research

Course Category	Code	Subject	Credit
Research project (Minimum 6 semesters for PhD)	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
Course Names		Credit	Status
YEET1013 – Fundamentals of Engineering Education		3	*HW (Pass/Fail)
ULTP6013 – Research Methodology in Engineering Education		3	HW (Pass/Fail)
YEET1023 – Data Analysis Techniques		3	HW (Pass/Fail)
YEET6140 – Seminar in Engineering Education		0	HW (Pass/Fail)
YEET1033 – Issues in Engineering Education		3	HW (Pass/Fail)
Total Course Credit		12	

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 4:

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

Table 4 Curriculum of Master of Disaster Risk Management

COMPULSORY UNIVERSITY GENERAL COURSES (3 Credits)		
UXXX XXX3	University General Course Select from Table 2	3
CORE COURSES (18 Credits) (COMPULSORY)		
MMJP 1183	Research Methodology	3
MMJD 1113	Natural Hazards and Integrated Disaster Management	3
MMJD 1133	Control Measures and Mitigation Planning	3
MMJD 1143	Emergency Response Planning and Communication	3

MMJD 1153	Recovery and Reconstruction Management	3
MMJD 1263	Disaster Education and Preparedness for Social Resilience	3
PROJECT (12 Credits) (COMPULSORY)		
MMJD 1266	Master Project 1	6
MMJD 1376	Master Project 2	6
ELECTIVE COURSES (9 Credits) (CHOOSE 3)		
MMJD 1123	Disaster Data Management and Forecasting	3
MMJD 1223	Flood Forecasting and Hazard Mapping	3
MMJD 1233	River Systems and Management	3
MMJD 1243	Geohazard Information for Disaster Risk Assessment	3
MMJD 1253	Flood Hydraulics and Mechanics of Sediment Transportation	3
MMJD 1283	Public Health Policy and Management	3
MMJD 1293	Healthcare in Emergencies and Rehabilitation	3
MMJD 1203	Disaster Psychology	3
TOTAL CUMULATIVE CREDITS		42

Programme Educational Objectives; Programme Outcomes and Programme Structure for Master in Sustainable Systems

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 5:

- Compulsory university courses
- Core courses
- Elective courses
- Master project

Master in sustainable systems are available in 2 modes which are MMJLA1CKA & MMJLA4LKA
(Online Distance Learning)

Table 5 Curriculum of Master in Sustainable Systems

COMPULSORY UNIVERSITY COURSE (6 Credits)		
Code	Course	Credit
Uxxx xxx3	University General Course Select one from Table 2	3
MMJP 1183	Research Methodology	3
CORE COURSES (15 Credits) (COMPULSORY)		
MMJL 1133	Applied Sustainable Systems	3

MMJL 1123	Life Cycle Assessment	3
MMJL 1133	Sustainability Management and Policy	3
MMJL 1213	Green Economy	3
MMJL 1313	Industrial Ecology and Cleaner Production	3
PROJECT (12 Credits) (COMPULSORY)		
MMJL 1186	Master Project 1	6
MMJL 1286	Master Project 2	6
ELECTIVE COURSES (9 Credits) (CHOOSE 3)		
MMJL 1143	Environmental Impact Assessment	3
MMJL 1323	Smart Communities	3
MMJL 1333	Renewable Energy	3
MMJL 1343	Sustainable Food Systems	3
MMJL 1353	Integrated Water Science and Technology	3
MMJL 1363	Integrated Solid Waste Management	3
MMJL 1373	Low Carbon Cities	3
TOTAL CUMULATIVE CREDITS		42

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

- | | |
|-------|--|
| 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 |

PLO 7	solution of complex issues 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 year (4 normal semesters). The curriculum involves four components below in Table 6:

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

Table 6 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 2)	3
MMJP1183	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 1143	Environmental Impact Assessment	3
MMJS 1323	Smart Communities	3
MMJS 1333	Renewable Energy	3
MMJS 1343	Sustainable Food Systems	3
MMJS 1123	Life Cycle Assessment	3
MMJS 1113	Applied Sustainable 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	Terrestrial Ecology	1
01AJ 308	Introduction to Environmental Policy	1
TOTAL CUMULATIVE CREDIT		46

Programme Educational Objectives and Programme Outcomes for Master in Technology and Innovation 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 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 | Construct solutions for solving complex issues using advanced approaches, knowledge, and innovative solutions for management technology and innovation |
| 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
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 7 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 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 and Programme Outcomes 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 8:

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

Table 8 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

Educational Objectives and Programme Outcomes 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 9 Curriculum of Master of Science (Engineering Education)

COMPULSORY UNIVERSITY COURSE (6 Credits)		
Code	Course	Credit
URSP0013	Research Methodology	3
Code	Course (Choose 1)	Credit
URSP 6013	Environmental Ethics	3
ULAJ 1163	Japanese Language	3
URSP 6023	Information and Communication Technology Ethics and Society	3
UHAP 6013	Seminar on Global Development, Economy and Social Issues	3
UHAZ 6123	Malaysian Society and Culture (For International Student Only)	3
UHAZ 6323	Malay Language for Postgraduates	3
UBSE 1123	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
MRSE 1513	Operation 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
- PLO3 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 10 Curriculum of Master of Science (Urban Design)

COMPULSORY UNIVERSITY COURSE (6 Credits)		
Code	Course	Credit
URSP0013	Research Methodology	3
Code	Course (Choose 1)	Credit
UANP 6013	Informatics in Society	3
UHAP 6013	Seminar on Global Development, Economic and Social Issues	3
UICW 6023	Philosophy of Science and Civilization	3
UPPF 6033	Dynamics of Leadership	3
UHAZ 6123	Malaysian Society and Culture (For International Student Only)	3
ULAM 6323	Malay Language for Postgraduates	3
UIBE 1123	Organizational Behavior and Development	3
UCCM 1263	IT Project Management	3
ULAJ 6013	Japanese Language	3
URTS 6013	Environmental Ethics	3
URSP 6023	Information and Communication Technology Ethics in Society	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



PRESENTING AND PUBLISHING YOUR RESEARCH WORK

PRESENTING AND PUBLISHING YOUR RESEARCH WORK

iKohza Level Presentation (Rinkoh)

In order to develop dynamic and holistic post-graduates, you are required to make numerous presentations during the study at MJIT. One of the most important skills students at MJIT should develop is the ability to communicate ideas and concepts to a group of people through formal and informal presentations. Presentations at iKohza 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 iKohza. 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 MPhil candidate may submit his/her thesis for viva-voce provided that he/she produced at least one (1) accepted or published publication from journal article, conference proceeding or book chapter. A doctoral candidate may submit his/her thesis for viva-voce provided that he/she produced at least one (1) article published in WOS index or (2) indexed conference proceedings, accepted or published in SCOPUS/ERA/MyCite. 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 MJIT 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

Two-year or three-year duration seems to be sufficient to complete research. While you are doing research involving literature study, research approach formulation, setting up and conducting experiment, and thesis writing, time flies when you are occupied. Experience tells us that progression reviews are essential to monitor the quality of your work and the progress rates against the normal standard. There are several parts in our progression review; some are compulsory whereas the others are optional (subject to your *ikohza*):

- Supervisory Review/Log book
- Progress Report
- First Level Assessment
- Viva Voce

Supervisory Review Report/Log book

This section is 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 GSMS 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 11. All the supervisory review reports must be attached together with the progress report that must be submitted at the end of each semester.

Table 11 Yes/No questions of supervisory form

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?

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 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 GSMS website. Progress report form could also be obtained from the website of SPS. Table 12 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 12 Summary of grades, marks and their interpretation

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

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.

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 13 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/2023/10/13.-Borang-Penyerahan-Tesis.docx-3open.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 mid of your second last semester. A good thesis needs a solid content as well as a skilful presentation. Besides, you must follow 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 on 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 Assesment (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)

You need to submit THREE (3) copies of your thesis to the academic office. For PhD Industry, PhD (Engineering Education) and UTM staff you need to submit FIVE (5) and 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 carefully 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 14 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 addressing all required corrections and/or revisions to the satisfaction of the supervisor or examiner(s), you should submit four hard bound copies of your thesis, which become the property of the University. The graduate school will subsequently issue an award letter and you are eligible to graduate. One copy of the thesis will be placed in the library, one in the department/faculty and one with your supervisor. Theses of the University are normally made freely available in the Malaysian University Libraries and National Library Network. Please remember enrolment is required for graduation. Forms can be obtained from SPS office.

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 15 shows the academic standing for a taught course student. Students must maintain KB (*Kedudukan Baik* or Good Pass) with $CGPA \geq 3.0$ or KS (*Kedudukan Syarat* or Conditional Pass) with $2.67 \leq CGPA < 3.00$ 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 15 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

GETTING STARTED

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 9908 / isckl@utm.my or walk-in to UTMKL Services at Level 2 Menara Razak UTMKL for inquiry / further information.

MJIIT LIBRARY

The operational hours for MJIIT library and open for all students as stated below:

Operation Hours

Monday to Friday (8.00am - 5.00pm)

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

UTM Library Kuala Lumpur (Perpustakaan Sultanah Zanariah)

Operation Hours

Monday to Friday (8.00am - 10.00pm)

Saturday to Sunday (8.00am- 5.00pm)

Closed on Public Holidays

Services Available:

i. 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

ii. 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.

iii. Other Services

- 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
- Online Training

iv. Additional Information

- Visit the library website at library.utm.my
- View the handbook at <https://online.fliphtml5.com/rjljh/upuu/#p=18>
- Assistance Service Desk in each library : telephone 03-2615 4301 or email at lib-enquirykl@utm.my
- Study & Discussion Rooms Bookings - small rooms are provided at the library for group work or individual study.

STUDENT ACCOMMODATION

UTM Kuala Lumpur provides residential colleges that can accommodate up to 2500 students in one academic session. These colleges are located at Taman Setapak Jaya known as Kolej Kediaman Siswa Jaya (KSJ) which is approximately 2 km from UTM Kuala Lumpur campus. For information, please email to aishah.kl@utm.my.

UTM HOTEL & RESIDENCE KUALA LUMPUR

UTM Hotel and Residence Kuala Lumpur is located approximately 1 km from the iconic Petronas Twin Tower. This property is conveniently situated in the Kuala Lumpur City Centre part and close to attractions and an interesting dining option which also offers free Wi-Fi in all rooms. For reservation, please contact +6013-939 6821, or email to contact@utmhotel.my

RESIDENSI UTM KL

Located in the heart of Kuala Lumpur, with a spectacular view of KLCC, UTM Residence offers convenient and well-equipped accommodation to students. For reservation, please 013-939 6821 / 03-2615 4922 / 03-2715 6517, or email to admin.residensiutmkl@utm.my.

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 Kediaman Siswa Jaya). 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 Kediaman Siswa Jaya). In case of emergency, please contact the following numbers:

Office: 03-2615 4457/4905 **Emergency:** 03-2615 4309

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).

Emergency Contacts

Emergencies	Contacts
UTM KL Security Section	03-2615 4281/4273
UTM KL Health Center	03-2615 4309/4457/4905
UTM KL OSHE	03 -2615 4927/4661/4667
Police/Ambulance/ Civil Defense/ Fire & Rescue	999
To Call from any Hand phones	999 / 112



STUDENTS DRESS CODE

Student 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 Faculties/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 VEILS** on campus.
6. Headgears such as **BANDADA 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, COLOURING and FREESTYLE HAIRDO** are strictly prohibited.
8. **MALE STUDENTS** are strictly prohibited **TO PUT ON ANY FEMALE COSTUMES and/or ACCESSORIES and VICEVERSA**.
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.

TATACARA BERPAKAIAN PELAJAR UTM

STUDENT DRESS CODE

PAKAIAN MENGHADIRI MAJLIS RASMI DI UNIVERSITI
DRESS CODE DURING ANY FORMAL EVENT IN THE CAMPUS



Kad Pilihatin Siswa WAJIB DITAMPAK semasa berada di kawasan kampus dan dipamerkan di bahagian hadapan paras dada.

All students MUST DISPLAY their AMERIC CARD to access any service in the campus. Pilihatin Siswa Card must be visible and DISPLAYED at the chest level.



LARANGAN PROHIBITIONS

- Rambut Berwarna / Coloured hair
- Rambut panjang / Berekor Long / Rat tail hairstyle
- Bertatu Tattoo
- Berseluar / Berscapal Slippers
- Baju leher bulat Round-collared shirt
- Bertopi / bandana Cap / Hat / Bandana
- Berpakaiannya menyempal Berkilauan jantina Cross-dressing
- Baju tanpa lengan Sleeveless shirt
- Berpundah Pundah
- Berskirt / berseluar pendek atau paras lutut Skirt / Shorts above knee level
- Bertindik hidung / Bersambung di telinga lebih daripada satu Nose piercing / Multiple earrings in one ear
- Pakaiannya ketat / jarang / singkat Tight / transparent / short attire

PERINGATAN WARNING



Pelajar yang didapati ingkar, boleh dikenakan AMARAN atau DENGAH TIDAK MELEBIHI RM50.00 (Kesalahan Pertama) atau dihimpunkan kepada Jawatankuasa Tata tertib 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.



MAKLUMAT LENGKAP BOLEH DIPUAK DALAM BUKU PERATURAN MAHASISWA UTM
MORE INFORMATION CAN BE FOUND IN THE STUDENT REGULATIONS BOOK

DILULUSKAN DALAM MESYUARAT JAWATANKUASA PENGELOUSAN 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

Revised 2020-2024



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Jabatan
Tasbehan Nakh Catecher
(Hal Ehsan 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)**



**MAKLUMAT LENGKAP
BOLEH DIRUJUK DALAM
BUKU PERATURAN
MAHASISWA UTM**
MORE INFORMATION
CAN BE FOUND IN
THE STUDENT
REGULATIONS BOOK



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 / Bercajal
Slippers
- Baju leher bulat
Round collared shirt
- Bertopi / bandana
Cap / Hat / Bandana
- Berpakai 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 earrings
in one ear
- Pakai 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

Version: 2023/4



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Jabatan
Tatadbis Nakh Cawangan
(Hal Ehsan Pelajar dan Alumni)

TATACARA BERPAKAIAN PELAJAR UTM

STUDENT DRESS CODE

PAKAIAN KE TEMPAT UMUM
DRESS CODE FOR PUBLIC PLACES



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
- Berpakain 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 earrings
in one ear
- Pakaian ketat / jarang /
singkat
Tight / transparent /
short attire

PERINGATAN WARNING



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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
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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

Revisi / Mac 2024



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Jabatan
Tatertib, Nakh Cawangan
(Unit Ehsan Pelajar dan Alumni)

TATACARA BERPAKAIAN PELAJAR UTM

STUDENT DRESS CODE

PAKAIAN KE TEMPAT UMUM
DRESS CODE FOR PUBLIC PLACES



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
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- Berpakaian menyerupai
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Cross-dressing
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Purdah
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Skirt / Shorts above knee level
- Bertindik hidung / Bersubang
di telinga lebih daripada satu
Nose piercing / Multiple earrings
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 Tatertib 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 AGOS 2020
ENDORSED BY UTM MANAGEMENT COMMITTEE MEETING NO. 18/2020 DATED 10TH AUGUST 2020

JAWATANKUASA TATERTIB PELAJAR UTM
STUDENT DISCIPLINARY COMMITTEE OF UNIVERSITI TEKNOLOGI MALAYSIA

Version: Mac 2024





UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Jabatan
Tindakan Nahi Camaruk
(Hal Ehwal Pelajar dan Alumni)

TATACARA BERPAKAIAN PELAJAR UTM

STUDENT DRESS CODE

PAKAIAN SUKAN / RIADAH
SPORTS DRESS CODE



MAKLUMAT LENGKAP BOLEH DIRUJUK DALAM
BUKU PERATURAN MAHASISWA UTM
MORE INFORMATION CAN BE FOUND IN
THE STUDENT REGULATIONS BOOK



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 earrings in one ear



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**.

PERINGATAN WARNING



Pelajar yang didapati ingkar, boleh dikenakan **AMARAN** atau **DENDA TIDAK MELEBIHI RM50.00 (Kesalahan Pertama)** atau dihadapkan kepada **Jawatankuasa Tata tertib 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

Version: 2024



GENERAL INFORMATION ABOUT MALAYSIA

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Kuala Lumpur is the capital and the largest city in Malaysia in terms of population. The city proper, making up an area of 243 km² (94 sq mi), has a population of 2.1 million as of 2025. Greater Kuala Lumpur, also known as the Klang Valley, is an urban agglomeration of 8.8 million. It is the fastest growing metropolitan region in the country, in terms of population and economy.

ARRIVING AT KUALA LUMPUR INTERNATIONAL AIRPORT (KLIA)

The Kuala Lumpur International Airport (KLIA) – Terminal 1 and Kuala Lumpur International Airport (KLIA2) – Terminal 2 receives both domestic and International flights, situated in the Sepang district approximately 50km from Kuala Lumpur. Upon arrival at the airport, you may continue your journey to KL City Center / UTM via ERL (Express Rail Link), Taxi or Bus. Another convenient way is to try the ride on the Express Rail Link or ERL from KLIA to KL Sentral. The journey takes 35 minutes and cost RM 55.00 (USD12.10*). KL Sentral is the central train station of Kuala Lumpur. From KL Sentral, you can take a taxi to your hotel which cost you around RM 15.00. ERL runs every 10 minutes during peak hours.

A non-stop rail service is available from 5am-12 midnight at the KL City Air Terminal (KL CAT) from KLIA to KL Sentral Station daily, including public holidays. It takes 28 minutes to get to KL Sentral with a frequency of every 15 minutes during peak hours and 20 minutes during non-peak hours. For more details, please browse through [ERL](#).

Information and rates for public transport services can be accessed at [KLIA \(Terminal 1\)](#), or [KLIA2 \(Terminal 2\)](#).

CURRENCY

The unit of currency is the Malaysian Ringgit indicated as RM, which is equivalent to 100 sen. The current exchange rate is USD1=RM 4.25*, or Yen 100=RM 2.86*

* 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 has only two distinct weather patterns, hot and wet. The weather is generally hot and humid with mid-day temperatures at 34°C and night temperature at 24°C. More rain is expected during this time of the year due to the North East Monsoon season and the weather will be a bit cooler.

VISA

Citizens of many countries enjoy visa-free stays of 90 days in Malaysia. For those who are not sure of whether they require a visa into Malaysia can check from the Immigration Department website at <http://www.imi.gov.my>

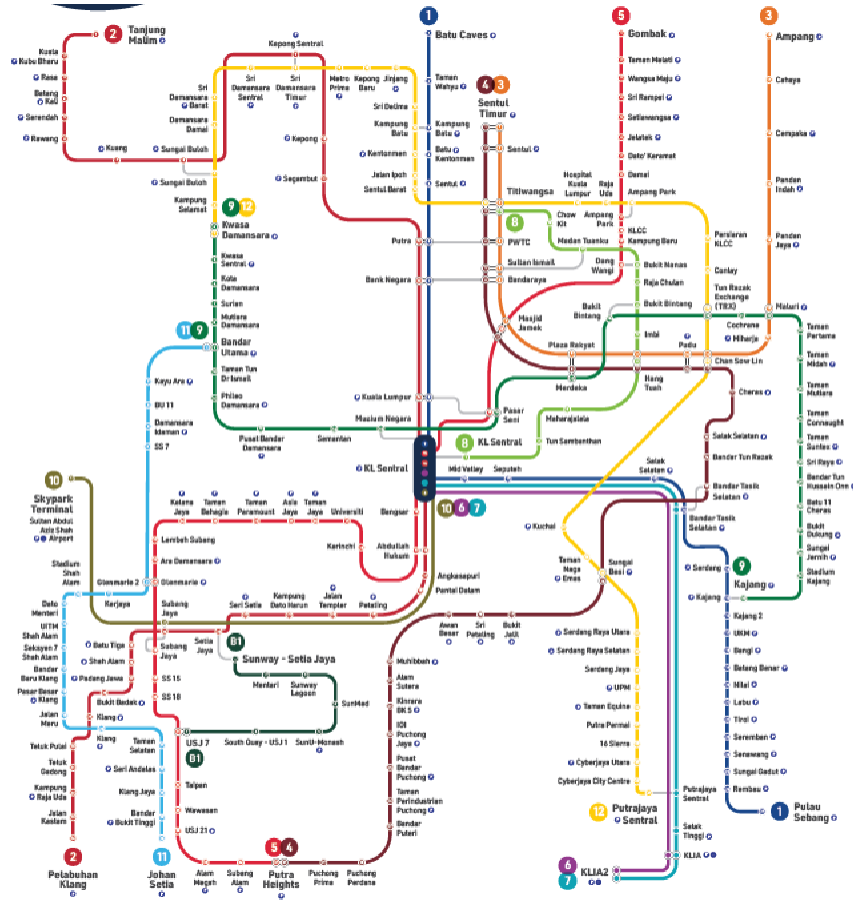
SHOPPING HOURS

Shops normally open at 10.00 AM and close at 10.00 PM. Restaurants normally close at 12.00 midnight.

TELEPHONES

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

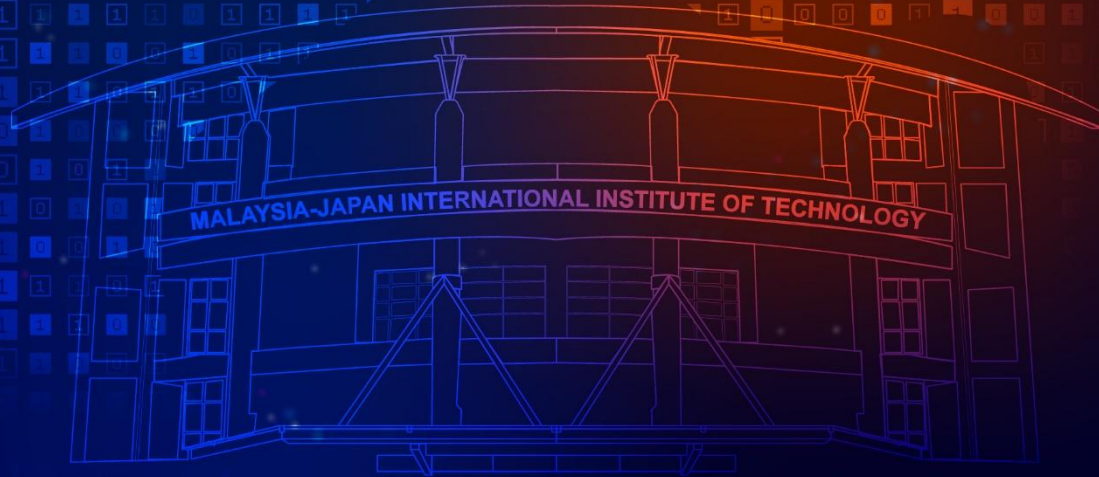
THE KLANG VALLEY INTEGRATED TRANSIT MAP





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2025/2026

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