2024
2025

UTM | Faculty of Management
UNIVERSITI TEKNOLOGI MALAYSIA

POSTGRADUATE
ACADEMIC HANDBOOK

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All praise be to Allah, and peace and blessings be upon His Last Messenger, his pure family, his noble Companions, and all those who follow them with endless kindness.

Assalamu'alaikum and welcome to the Faculty of Management (FM), Universiti Teknologi Malaysia (UTM) with full of excitement and gratitude. FM offers a wide range of postgraduate Ph.D. and Master programs with multidisciplinary in nature covering contemporary management, agile accounting, modern finance, innovative marketing, and digital transformation.

Multidisciplinary academic programs are essential in modern higher education as the demands of government, business, and society continually evolve. These shifting landscape calls for innovative with data-driven solutions characterized by adaptability, agility, resilience, and the incorporation of artificial intelligence (AI). At FM, we not only acknowledge these dynamic changes but actively engage, respond, participate, and lead in addressing these evolving needs.

FM always played a crucial role in UTM's success, particularly in enrolling postgraduate students. Currently, we have over 270 PhD and about 50 master's students. During each application cycle in March and October, we receive around 300 applications from across the globe. However, we can only admit approximately 60 students, resulting in a highly competitive acceptance rate of about 20%.
Therefore, those of you present today are truly privileged to be part of FM as you embark on your academic journey. I firmly believe that our diverse range of Doctor of Philosophy and Master programs will empower you to achieve great heights.

FM emphasizes holistic success, combining excellence, noble character, and uphold the truth for benefit of family, community, and country. As a postgraduate student, honing critical thinking, problem solving, leadership, teamwork, integrity, and lifelong learning are important. These characteristics mark true wisdom as a noble human being. To achieve this holistic excellence, study persistently and actively engage with supervisors, lecturers, peers, as well as the research community.

Lastly, life isn't always straightforward, especially during postgraduate studies. Thus, embrace the challenge with determination, study passionately with all your heart, and relish the moments to discover the true essence of perseverance. You are not alone in you journey because at UTM, you will find supportive staff, excellent facilities, and a harmonious environment. Together, we can make this a home for academic excellence, where learning and thriving go hand in hand.

Selamat maju jaya dan terima kasih.

Professor Dr. Ahmad Jusoh,
Dean,
Faculty of Management,
Universiti Teknologi Malaysia

FACULTY OF MANAGEMENT ADMINISTRATION

The Faculty of Management (FM) has grown since the inception of UTM and has provided services to the nation for over 50 years. FM has always played an important role in supporting UTM's synergy initiatives since 2017. From 2023, FM stands proudly again to steer contemporary and innovative studies through management technology, accounts and finance, marketing and entrepreneurship, and information systems. The FM management team is shown in Table 1 below.

Table 1: FM Management Team

Position	Name	Email
Dean	Prof. Dr. Ahmad bin Jusoh	ahmadj@utm.my
Deputy Dean (Academic & Student Affairs)	Dr. Nor Zafir Bt. Md. Salleh	zafir@utm.my
Deputy Dean (Research, Development & Innovation)	Assoc. Prof. Dr. Mahadi Bahari	mahadi@utm.my
Director of Accounting & Finance	Assoc. Prof. Dr. Dewi Fariha Abdullah	dewifariha@utm.my
Director of Marketing & Entrepreneurship	Assoc. Prof. Dr. Zuraidah Sulaiman	zuraidahs@utm.my
Director of Management & Technology	Dr. Roshazlizawati Mohd. Nor	roshazlizawati@utm.my
Director of Information Systems	Assoc. Prof. Ts. Dr. Suraya Miskon	suraya@utm.my
Postgraduate Academic Manager	Dr. Halina Mohamed Dahlan	halina@utm.my
External Program Academic Manager	Dr. Siti Zaleha Omain	zaleha@utm.my
Deputy Registrar	Mr. Mohd Syazli Md Tahir	msyazli@utm.my
Senior Assistant Registrar	Mdm. Raudah Md Auzir	raudah@utm.my

FM POSTGRADUATE ADMINISTRATION

At FM, all academic matters including postgraduate are under the responsibility of the Dean and assisted by the Deputy Dean (Academic & Student Affairs), Postgraduate Academic Manager, and all Directors. All decisions regarding postgraduate academics will be discussed in the Faculty Academic Committee (JKA) meeting which will be held once a month at the beginning of the week. This committee is the official medium in the faculty before being forwarded to the School of Graduate Studies (SPS) level for further action in some cases.

At the management level, the postgraduate academic will have a dedicated team led by the Postgraduate Academic Manager assisted by the 4 Head of Program (HOP). This team will coordinate, facilitate and monitor all postgraduate academic procedures such as student registration, deferral, proposal defense, viva-voce, final thesis submission, and application for graduation. Table 2 lists the postgraduate academic team at FM.

Table 2: FM Postgraduate Academic Team

Position	Name	Email
Postgraduate Academic Manager	Dr. Halina Mohamed Dahlan	halina@utm.my
HOP Doctor of Philosophy Field of Research: Management	Dr. Norzaidahwati Zaidin	nzw@utm.my
HOP Doctor of Philosophy Field of Research: Information System	Assoc. Prof. Dr. Ab Razak Che Hussin	abrazak@utm.my
HOP Master of Philosophy Field of Research: Management	Dr Mohd Zulfabli Hasan	mohdzulfabli@utm.my
HOP Master of Management Specialization: Technology Management	Assoc. Prof. Dr. Aslan Amat Senin	aslan@utm.my
HOP Master of Information Technology Specialization: Information Technology Management	Assoc. Prof. Dr. Syed Norris Hikmi Syed Abdullah	norris@utm.my
HOP Master in Information Technology Entrepreneurship	Assoc. Prof. Dr. Othman bin Ibrahim	othmanibrahim@utm.my

The students at FM are always given high-quality service from the office in speeding up their academic affairs. There are 4 administrative staff who are always ready to help students as in Table 3 below. The students can contact this staff through the email written in the table below.

Table 3: FM Postgraduate Administration Staff

Academic matter	Contact Person	Email
Management of postgraduate documents and plagiarism checking for thesis submission for viva-voce	Mdm. Fadillah Abdul Hamid	academic-fm@utm.my
General academic matters	Mdm. Azlina Gombak @ Atan	
Plagiarism checking for proposal defense (PD) submission and management of proposal defense	Mdm. Susilawati Md Sukor	
Management of viva-voce and thesis submission	Ms. Arinah Ahmad	

Program Code : PFMM3
Program   : Doctor of Philosophy
                (Formerly known as Doctor of Philosophy Field of Research: Management)
MQR Record   : MQA/SWA0296
NEC Code   : 0414 (Management and Administration)

INTRODUCTION

Doctor of Philosophy (Ph.D.) is the highest research degree which involves an academic exercise to produce a research thesis under the close supervision of a faculty member (Supervisor). The Ph.D. thesis produced should make scholarly significant contributions to the chosen field of study. Students also have the opportunity to develop and strengthen their research skills, explore their critical and analytical skills, expand networking, or build collaborations on publications.

Students will be supervised by academic staff who will advise them on the direction and structure of the research throughout the entire Ph.D. study. The students put forward a research topic of their interest and they can work on research projects based on their supervisors' research interests. This should be mutual between the supervisor and the student. The main objective is to develop independent, skillful, and successful researchers who can work on promising ideas, and thus can conduct more research independently upon their graduation. Following a successful proposal defense session, students would start to gather research data, analyse, data and write their thesis. The conferment of the degree is subject to the successful completion of the thesis and viva voce. FM offers you a research experience that unleashes your ultimate potential in shaping your future. The duration of Ph.D studies is a minimum of 3 years and a maximum of 8 years.

RESEARCH AREA

- Accounting, Audit, and Taxation
- Finance
- Business Strategy
- Management
- Business Law
- Corporate Governance
- Economics
- Entrepreneurship
- Information System Management
- Management Technology
- Human Resource
- Marketing
- Operation

EDUCATION, LEARNING, AND COURSE OUTCOMES

There are 3 main components that are given high attention in FM when developing academic programs, namely Program Educational Objectives (PEO), Program Learning Outcomes (PLOs), and Course Learning Outcomes (CLO).

The PEO is a list of target achievements for each student from the program after 3 years of graduation. For PFMM3, there are 4 PEOs that have been established to ensure that graduates from this program can lead the sustainability of innovative organizations. Table 4 lists the PEOs of PFMM3.

Table 4: PEO of PFMM3

PEOs	PEO Statement
PEO1	Proficient in synthesising in-depth relevant knowledge in solving real world problems using research skills.
PEO2	Competent in demonstrating critical and creative ideas by applying leadership, personal and interpersonal skills, in order to expand and share the knowledge in related field.
PEO3	Enthusiastic in adopting and extend the latest relevant knowledge and cutting-edge technologies through life-long learning process.
PEO4	Comply with professional, societal and ethical responsibilities.

Program Learning Outcomes (PLOs) are provided to identify what students will learn or be able to do after completing the program. The learning outcomes of the PFMM3 program are intended to ensure that graduates from this program are efficient in providing innovative solutions to specific problems, have good leadership characteristics, excel in teamwork, and are skilled in writing and communication. The specific PLO for PFMM3 is shown in Table 5 below.

Table 5: PLOs of PFMM3

PLOs	PLO Statement
PLO1 Knowledge and Understanding (KW)	Apply critical and integrative knowledge to manage and solve complex issues or problems through research, using latest techniques, tools, and advanced skills to make decisions and come up with new ideas and solutions.
PLO2 Cognitive Skills (CG)	Make substantial contribution through the creation of new knowledge/theories/ solutions/practice through originality and independent research, which satisfies peer reviews and international standards.
PLO3 Practical Skills (PS)	Demonstrate mastery of practical skills and scientific skills to solve complex research problems.
PLO4 Interpersonal Skills (IPS)	Work to deal with different people in the learning and community of employees, other groups and networks, ethically and professionally.
PLO5 Communication Skills (CS)	Communicate effectively the knowledge, skills, ideas and research findings using appropriate methods to peers, scholarly communities, and societies through various medium.
PLO6 Digital Skills (DS)	Use, improve existing or develop new appropriate tools or methodologies using a broad range of information, media and technology to support and enhance research activities.

PLO7 Numeracy Skills (NS)	Demonstrate skills in designing, critical evaluation, and analysing numerical and graphical data using quantitative or qualitative tools in solving problems.
PLO8 Leadership, Autonomy, and Responsibility (LAR)	Demonstrate leadership, professionalism and management skills, and take full responsibility for own work, and significantly for others in the research organization.
PLO9 Personal Skills (PRS)	Take full responsibility for own work and where relevant be accountable for overall management of one's research organization and professional development.
PLO10 Entrepreneurial Skills (ENT)	Demonstrate entrepreneurial characteristics.
PLO11 Ethics and Professionalism Skills (ETS)	Demonstrate adherence to legal, ethical and professional codes of practice as a postgraduate student.

Course Learning Outcomes (CLOs) are targets set to be achieved by students after taking the courses offered in the program. The CLOs for each course will be explained by the course lecturer.

The following **Compulsory Course** known as Research Methodology must be registered by all students in Semester 1 of the study.

Name of Course	Code	Section	Status
Research Methodology	UBSP 6013	01	HW

The following **Research Course** must be registered by all students each semester throughout their studies. Codes change by semester increments. Students are recommended to complete their studies within 3 years (6 semesters) and the maximum period allowed is 8 years (16 semesters).

Semester	Research Code	Section	Semester	Research Code	Section
1	PFMM 1100	01	9	PFMM 5100	01
2	PFMM 1200	01	10	PFMM 5200	01
3	PFMM 2100	01	11	PFMM 6100	01
4	PFMM 2200	01	12	PFMM 6200	01
5	PFMM 3100	01	13	PFMM 7100	01
6	PFMM 3200	01	14	PFMM 7200	01
7	PFMM 4100	01	15	PFMM 8100	01
8	PFMM 4200	01	16	PFMM 8200	01

The following list is the **General University Course** that must be registered ONLY ONE by all students in the 1st or 2nd semester of study.

Course Code	Name of Course	Faculty
UBSS 6013	Organization Behavior And Development	AHIBS KL
UBSS 6023	Business Ethics, Responsibility And Sustainability	AHIBS KL
UHMS 6013	Seminar On Global Development, Economic And Social Issues	SHARP, FSSH
UHMZ 6023	Malaysian Society And Culture	SHARP, FSSH
UHIS 6013	Philosophy Of Science And Civilisation	ATI, FSSH
UHPP 6013	Dynamics Of Leadership	SP, FSSH
URTS 6013	Environmental Ethics	FTIR
UECS 6013	It Project Management	FC
UECS 6023	Introduction To Technopreneurship	FC
UHLM 6013	University General Courses	FSSH
UMJJ 6013	Basic Japanese Language And Culture	MJIIT

Program Code : PFMS3
Program   : Doctor of Philosophy
                     (Formerly known as Doctor of Philosophy Field of Research: Information
                     System)
MQR Record : MQA/SWA0355
NEC Code   : 0611 (Information Technology and Information System)

INTRODUCTION

This is a guided full research Ph.D. program for those who intend to further their studies in the field of Information Systems (IS). The main aim of the program is to educate professionals and academic research scholars to perform high-quality IS research. They will be able to apply the Information Systems and Technology theories in analysing and solving real organizational problems innovatively.

This program is designed in such a way that students will be guided in developing technical and empirical research skills. The taught courses in the first year introduce the students to a broad knowledge of research paradigms, Information Systems theory, and current Information Systems research. Through the research methodology course, different research orientations and methods will be introduced. The duration of PhD studies is a minimum of 3 years and a maximum of 8 years.

RESEARCH AREA

- Information Systems Design and Development
- Information Systems Adoption/Implementation
- Innovation in E-Commerce/Social Commerce
- Business Transformation
- Knowledge management
- Data management and analytic
- Innovation in E-Learning/E-Health

EDUCATION, LEARNING, AND COURSE OUTCOMES

The outcomes for education (PEOs) and learning (PLOs) designed for PFMS3 are similar to PFMM3 as shown in Table 4 and Table 5. Course Learning Outcomes (CLOs) are the target to be achieved by students after taking the courses offered in the program. The CLO for each course will be explained by the course lecturer.

The following **Three Compulsory Courses** know related to IS Research Methodology must be registered by all student in Semester 1 and 2 of the study.

Semester 1:

Name of Course	Code	Section	Status
IS Research Methodology Fundamentals	UBSP 6033	01	HW
IS Research Methodology Practice	UBSP 6043	01	HW

Semester 2:

Name of Course	Code	Section	Status
IS Research Topic Seminar and Discourse	UBSP 6053	01	HW

The following **Research Course** must be registered by all students each semester throughout their studies. Codes change by semester increments. Students are recommended to complete their studies within 3 years (6 semesters) and the maximum period allowed is 8 years (16 semesters).

Semester	Research Code	Section	Semester	Research Code	Section
1	PFMS 1100	01	9	PFMS 5100	01
2	PFMS 1200	01	10	PFMS 5200	01
3	PFMS 2100	01	11	PFMS 6100	01
4	PFMS 2200	01	12	PFMS 6200	01
5	PFMS 3100	01	13	PFMS 7100	01
6	PFMS 3200	01	14	PFMS 7200	01
7	PFMS 4100	01	15	PFMS 8100	01
8	PFMS 4200	01	16	PFMS 8200	01

The following list is the **General University Course** that must be registered ONLY ONE by all students in the 1st or 2nd semester of study.

Course Code	Name of Course	Faculty
UBSS 6013	Organization Behavior And Development	AHIBS KL
UBSS 6023	Business Ethics, Responsibility And Sustainability	AHIBS KL
UHMS 6013	Seminar On Global Development, Economic And Social Issues	SHARP, FSSH
UHMZ 6023	Malaysian Society And Culture	SHARP, FSSH
UHIS 6013	Philosophy Of Science And Civilisation	ATI, FSSH
UHPP 6013	Dynamics Of Leadership	SP, FSSH
URTS 6013	Environmental Ethics	FTIR
UECS 6013	It Project Management	FC
UECS 6023	Introduction To Technopreneurship	FC
UHLM 6013	University General Courses	FSSH
UMJJ 6013	Basic Japanese Language And Culture	MJIIT

INTRODUCTION

This program is designed to provide advanced research-based studies in management related to a wide array of issues in management and technology related. Research activities are aimed at developing an in-depth understanding of the state of knowledge in a technology-inclined management discipline that will contribute to the expansion of new knowledge, expertise, and research skills. Students will engage in a significant research investigation of a specific inquiry resulting in the production of a thesis either with a theoretical or applied focus.

Students will have the opportunity to analyse issues and contribute or expand knowledge in their area of interest through observations, literature review, and data analysis. At the end of the program, students must submit a maximum of a 200-page thesis (including references) on a research topic that has been agreed upon by the faculty. The conferment of the degree is subject to the successful completion of the thesis and viva voce. FM offers you a research experience that explores your potential to shape your future.

RESEARCH AREA

- Accounting and Finance
- Business and Management
- Business Law and Taxation
- Corporate Governance
- Economics

- Entrepreneurship
- Information System Management
- Management Technology
- Marketing

EDUCATION, LEARNING, AND COURSE OUTCOMES

There are 3 main components that are given high attention in FM when developing academic programs, namely Program Educational Objectives (PEO), Program Learning Outcomes (PLOs), and Course Learning Outcomes (CLO).

The PEO is a list of target achievements for each student from the program after 3 years of graduation. For MFMM3, there are 4 PEOs that have been established to ensure that graduates from this program can lead the sustainability of innovative organizations. Table 6 lists the PEOs of MFMM3.

Table 6: PEO of MFMM3

PEOs	PEO Statement
PEO1	Proficient in assimilating in-depth relevant knowledge in solving real world problems using research skills.
PEO2	Competent in managing tasks by applying leadership, personal and interpersonal skills.
PEO3	Enthusiastic in adopting the latest relevant knowledge and cutting-edge technologies through life-long learning process.
PEO4	Comply with professional, societal and ethical responsibilities.

Program Learning Outcomes (PLOs) are provided to identify what students will learn or be able to do after completing the program. The learning outcomes of the MFMM3 program are intended to ensure that graduates from this program are efficient in providing innovative solutions to specific problems, have good leadership characteristics, excel in teamwork, and are skilled in writing and communication. The specific PLO for MFMM3 is shown in Table 7 below.

Table 7: PLOs of MFMM3

PLOs	PLO Statement
PLO1 Knowledge and Understanding (KW)	Apply knowledge critically and integratively to manage and resolve complex problems or issues in management and business through research, using advanced techniques, tools, skills for decision making and producing new ideas and solution.
PLO2 Cognitive Skills (CG)	Exemplify capacity to solve and manage complex problems or issues in research field.
PLO3 Practical Skills (PS)	Demonstrate technical skills and practices to solve research problems, with reasonable degree of originality.
PLO4 Interpersonal Skills (IPS)	Work together and collaboratively with different people in learning, communities and other groups and networks, ethically and professionally.
PLO5 Communication Skills (CS)	Communicate the knowledge, skills, ideas clearly using appropriate methods to peers, experts, and non-experts through various medium.
PLO6 Digital Skills (DS)	Use a broad range of information, media, digital technologies and software to support research works or studies.
PLO7 Numeracy Skills (NS)	Demonstrate skills in designing, planning evaluation activities, and analysing numerical and graphical data using quantitative or qualitative tools in solving problems.

PLO8 Leadership, Autonomy, and Responsibility (LAR)	Demonstrate leadership, autonomy and responsibility in conducting and managing own research and resources.
PLO9 Personal Skills (PRS)	Exemplify self-advancement through continuous academic development.
PLO10 Entrepreneurial Skills (ENT)	Demonstrate entrepreneurial characteristics.
PLO11 Ethics and Professionalism Skills (ETS)	Demonstrate adherence to legal, ethical and professional codes of practice as a postgraduate student.

Course Learning Outcomes (CLOs) are targets set to be achieved by students after taking the courses offered in the program. The CLOs for each course will be explained by the course lecturer.

The following **Compulsory Course** know as Research Methodology must be registered by all student in Semester 1 of the study. This course is the same as the Research Methodology course of the PhD in Management program.

Name of Course	Code	Section	Status
Research Methodology	UBSP 6013	01	HW

The following **Research Course** must be registered by all students in each semester throughout their studies. Codes change by semester increments. Students are recommended to complete their studies within 2 years (4 semesters) and the maximum period allowed is 4 years (8 semesters).

Semester	Research Code	Section
1	MFMM 1100	01
2	MFMM 1200	01
3	MFMM 2100	01
4	MFMM 2200	01
5	MFMM 3100	01
6	MFMM 3200	01
7	MFMM 4100	01
8	MFMM 4200	01

The following list is the **General University Course** that must be registered ONLY ONE by all students in the 1st or 2nd semester of study.

Course Code	Name of Course	Faculty
UBSS 6013	Organization Behavior And Development	AHIBS KL
UBSS 6023	Business Ethics, Responsibility And Sustainability	AHIBS KL
UHMS 6013	Seminar On Global Development, Economic And Social Issues	SHARP, FSSH
UHMZ 6023	Malaysian Society And Culture	SHARP, FSSH
UHIS 6013	Philosophy Of Science And Civilisation	ATI, FSSH
UHPP 6013	Dynamics Of Leadership	SP, FSSH
URTS 6013	Environmental Ethics	FTIR
UECS 6013	It Project Management	FC
UECS 6023	Introduction To Technopreneurship	FC
UHLM 6013	University General Courses	FSSH
UMJJ 6013	Basic Japanese Language And Culture	MJIIT

Figure 1 below shows the general flow of studies for the research programs (PFMM3, PFMS3, MFMM3) at FM UTM from student admission to graduation. Students are encouraged to complete their Ph.D. studies within 3 years and 2 years for Master to be considered as graduates on time (GOT) which demonstrates excellent performance of the student.
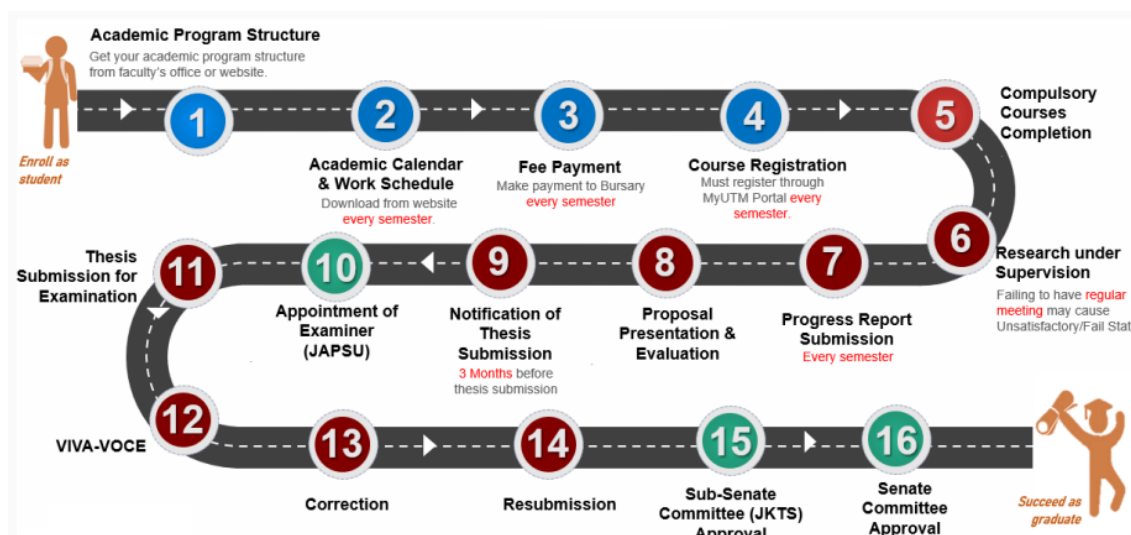

Figure 1: Flow of research program at FM UTM from student admission to graduation.

Program Code : MHAM2
Program : Master of Management Specialization: Technology Management
MQR Record : MQA/SWA0454
NEC Code : 0414 (Management and Administration)

INTRODUCTION

The program is designed for students who are interested in a career in business and management. Students will be equipped with the knowledge and research skills required for management and technology studies. Research based studies are offered where core management disciplines are combined with opportunities to pursue areas of personal interests related to technological issues.

PROGRAM EDUCATIONAL OBJECTIVES

At the end of this program, graduates are:
- Knowledgeable and competent in leveraging all resources including technology to achieve organisational objectives.
- Creative, innovative, and ethical in solving managerial problems.
- Effective in communication, professional in planning and leading activities within organisation and always ready to contribute to society.
- Practicing life-long learnings for successful career advancement.

COURSES

Student in this program must be able to complete **48 credits** within 1 and half year (3 semesters) or maximum in 4 years (8 semesters). The courses are listed below.

Core Courses (Compulsory to take all 15 credits courses):

Course Code	Name of Course
MHAD 1013	Research Methodology
MHAD 1023	Corporate Finance
MHAD 1033	Managing Organisation and Change
MHAD 1043	Strategic Operation Management
MHAD 1053	Marketing Management

Elective Courses (6 credits by choosing 2 Courses):

Course Code	Name of Course
MHAD 1063	Entrepreneurship and Commercialisation
MHAD 1073	Technology and Innovation Management
MHAD 1083	Policy and Economic of Technology Innovation
MHAD 1093	Financial Decisions in Technology Ventures
MHAD 1103	Strategic Management of Technology
MHAD 1113	Managing Emerging Technology Ventures
MHAD 1123	Managing Intellectual Property

University General Courses (3 credits by choosing 1 Course only):

Course Code	Name of Course	Faculty
UBSS 6013	Organization Behavior And Development	AHIBS KL
UBSS 6023	Business Ethics, Responsibility And Sustainability	AHIBS KL
UHMS 6013	Seminar On Global Development, Economic And Social Issues	SHARP, FSSH
UHMZ 6023	Malaysian Society And Culture	SHARP, FSSH
UHIS 6013	Philosophy Of Science And Civilisation	ATI, FSSH
UHPP 6013	Dynamics Of Leadership	SP, FSSH
URTS 6013	Environmental Ethics	FTIR
UECS 6013	It Project Management	FC
UECS 6023	Introduction To Technopreneurship	FC
UHLM 6013	University General Courses	FSSH
UMJJ 6013	Basic Japanese Language And Culture	MJIIT

Dissertation (Compulsory to take 24 credits starting in Semester 2):

Research Code	Section
MHAD 1280	01
MHAD 2180	01
MHAD 2280	01
MHAD 3180	01
MHAD 3280	01
MHAD 4180	01
MHAD 4280	01
MHAD 5180	01
MHAD 5280	01
MHAD 6180	01
MHAD 6280	01

INTRODUCTION

This program is designed for candidates who wish to obtain knowledge of applying Information Technology (IT) in variety of contexts, such as Management, Education, Library and Information Services, Manufacturing and others. This programme aims at producing responsible, innovative and creative graduates with skills in planning, organizing, designing and managing variety of ICT-based solutions to different kind of organizations.

PROGRAM EDUCATIONAL OBJECTIVES

At the end of this program, graduates are:

- Capable in managing information technology (IT) projects of various types and sizes and being able to organise and lead the organisation's information communication and technology (ICT) strategy.
- Capable to identify the needs of the industry and being able to use ICT to transform business organisations.
- Knowledgeable in technical, and management skills, and able to design, develop and manage IT systems effectively and efficiently.
- Knowledgeable in ICT foundation for self-reliance and learn for self-development to face rapid changes in IT and information system (IS) field.

COURSES

Student in this program must be able to complete **45 credits** within 1 and half year (3 semesters) or maximum in 4 years (8 semesters). The courses are listed below.

Pre-requisite Courses (if applicable):

Course Code	Name of Course
SCSD 2613	System Analysis and Design
SCSD 2523	Database System
SCSD 1513	Technology and Information Systems

Course Courses (Compulsory to take 12 credits courses):

Course Code	Name of Course
MCSC 1253	IT Planning and Management
MCSC 1213	System Development Application
MCSC 2553	Trends in Information Technology Applications
MCSC 1283	Research Methodology in IT Management

Elective Courses (Compulsory to take 6 credits by choosing 2 courses):

Course Code	Name of Course
MBSC 1353	Computer Communications and Technology
MBSP 1203	Software Technology
MBSC 1263	IT Project Management
MBSC 2573	IT for Organizational Transformation
MBSC 2593	Information and Knowledge Management
MBSC 2613	Information Security &Management System
MBSC 2623	Enterprise Information Systems
MBSC 2113	Human Computer Interaction
MBSC 2673	Special Topic in Information Technology for Management
MBSC 1323	Advanced Computer Graphic

University General Courses (3 credits by choosing 1 Course only):

Course Code	Name of Course	Faculty
UBSS 6013	Organization Behavior And Development	AHIBS KL
UBSS 6023	Business Ethics, Responsibility And Sustainability	AHIBS KL
UHMS 6013	Seminar On Global Development, Economic And Social Issues	SHARP, FSSH
UHMZ 6023	Malaysian Society And Culture	SHARP, FSSH
UHIS 6013	Philosophy Of Science And Civilisation	ATI, FSSH
UHPP 6013	Dynamics Of Leadership	SP, FSSH
URTS 6013	Environmental Ethics	FTIR
UECS 6013	It Project Management	FC
UECS 6023	Introduction To Technopreneurship	FC
UHLM 6013	University General Courses	FSSH
UMJJ 6013	Basic Japanese Language And Culture	MJIIT

Dissertation (Compulsory to take 24 credits starting in Semester 2):

Research Code	Section
MBSC 1280	01
MBSC 2180	01
MBSC 2280	01
MBSC 3180	01
MBSC 3280	01
MBSC 4180	01
MBSC 4280	01
MBSC 5180	01
MBSC 5280	01
MBSC 6180	01
MBSC 6280	01

Figure 2 below shows the general flow of studies for mixed-mode at FM UTM from student admission to graduation.
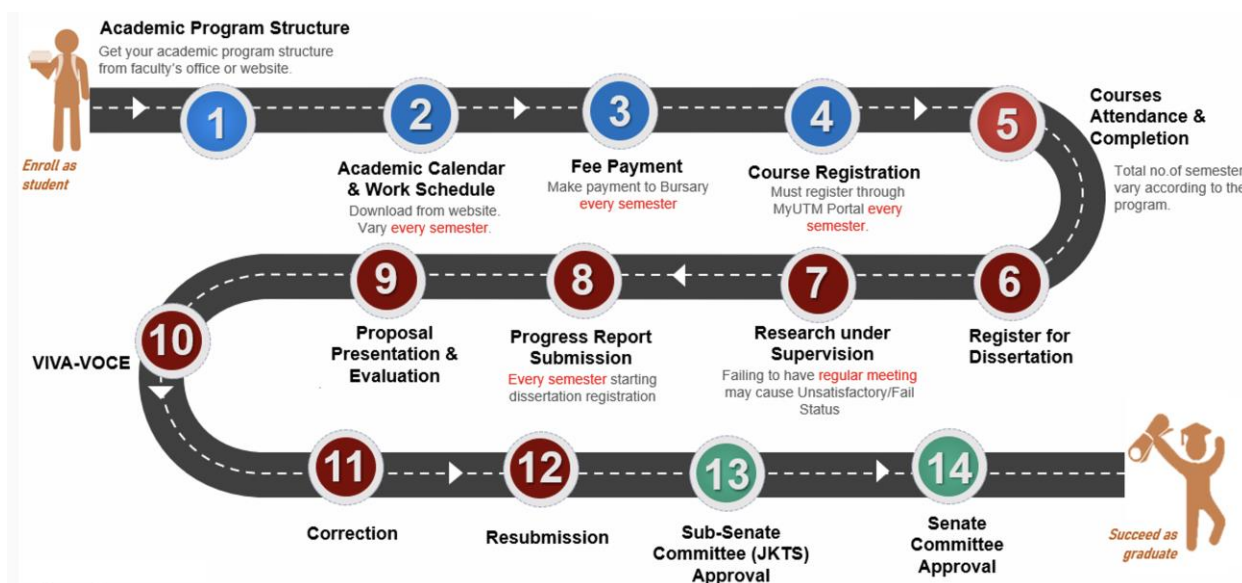

Figure 2: Flow of mixed-mode program at FM UTM from student admission to graduation.

Condition of awarding of the degree for mixed-mode program is as below.

CGPA	DISSERTATION/ RESEARCH GRADE	ACADEMIC STANDING	CONDITION TO PROCEED WITH THE STUDY	AWARD OF THE DEGREE
GOOD PASS (KB) CGPA ≥ 3.00	MM	KB	QUALIFIED	QUALIFIED
	TM	KS	QUALIFIED	NOT QUALIFIED
	GG	KS	QUALIFIED	NOT QUALIFIED
CONDITIONAL PASS (KS) 2.67 ≤ CGPA < 3.00	MM	KS	QUALIFIED	NOT QUALIFIED
	TM	KS	QUALIFIED	NOT QUALIFIED
	GG	KG	TERMINATED	NOT QUALIFIED
FAIL (GG) CGPA < 2.67	MM	KG	TERMINATED	NOT QUALIFIED
	TM	KG	TERMINATED	NOT QUALIFIED
	GG	KG	TERMINATED	NOT QUALIFIED

MM	**SATISFACTORY**
TM	**UNSATISFACTORY**
GG	**FAIL**

Program Code : MFMS1
Program   : Master in Information Technology Entrepreneurship
MQR Record : MQA/SWA0358
NEC Code   : 0611 (Information Technology and Information System)

INTRODUCTION

This program's main objective is to produce IT entrepreneurs (IT Technopreneurs) at the postgraduate level. This is an effort to increase the number of highly skilled local IT technopreneurs as the developers of hardware, software, and creative content.

The expected duration for a full-time program is 1.5 years (3 regular semesters + 1 short semester). Technopreneurs are needed to complete 45 credits before graduation where 12 credits are dedicated to completing an IT-based product development project.

Besides the normal class lectures, this program also adopts a Teaching Factory concept where technopreneurs have to undergo extensive practical exposure to enhance their business as well as their entrepreneurial skills. Industrial involvement is eminent to the success of this program, thus, technopreneurs will be engaged with industrial or business mentors through the Mentoring & Coaching concept introduced. To further equip the technopreneurs to become more competent, innovative, versatile, and possess ethical entrepreneurial values, they will be exposed to various kinds of external entrepreneurial programs such as seminars, series of short courses, business discourse, workshops, business forums & networking, business competitions, business visits, etc.

PROGRAM EDUCATIONAL OBJECTIVES

The Master in IT Entrepreneurship program aims to produce digital entrepreneurs who are:
- Competent in developing businesses through IT platforms.
- Proficient in demonstrating entrepreneurial and communication skills to various stakeholders, thereby initiating and leading entrepreneurial ventures to achieve sustainable and innovative business goals.
- Committed to practicing professional ethics and demonstrating the qualities of a digital entrepreneur through lifelong learning, establishing continuous collaboration with various stakeholders.

COURSES

There are 13 courses that need to be undertaken by all students in this program. These 13 courses cover a total of 45 credits, which includes University General Elective Courses (3 credits), Program Compulsory Courses (25 credits), Program Elective Courses (3 credits) and Master Projects (12 credits). The total minimum number of credits required for the award of a degree is **45 credits** and candidates must obtain a final academic grade of at least a 3.0 CGPA.

Another additional course, the pre-requisite (3 credits) is offered to students who do not have a basis in computer science or IT / or to selected candidates as agreed by the interview panelist. During the interview session, students are informed on whether they are required to register for this course.

The details of the courses within this program as follows:

Program Compulsory Courses (24 Credits):

Course Code	Name of Course
MFMS 1013	Digital Business Application Domain
MFMS 1023	Digital Business Research Methodology
MFMS 1033	Emerging Issues in Digital Business Innovation
MFMS 1043	Digital Business Project Management
MFMS 1053	Product Creativity and Innovation
MFMS 1073	Digital Product Design & Development
MFMS 1083	Entrepreneurial Finance & Accounting
MFMS 1093	Digital Product Marketing & Sales

Master Projects (12 Credits):

Course Code	Name of Project
MFMS 1063	Project I – Product and Business Proposal
MFMS 1164	Project II – Prototype Development and Business Strategy
MFMS 2015	Project III – Production, Sales and Marketing

Program Elective Courses (Choose 2, 6 credits):

Course Code	Name of Project
MFMS 1103	Digital Business Leadership
MFMS 1123	Digital Business Security
MFMS 1133	Digital Business Analytic Tool
MFMS 1143	Business Law and Intellectual Property
MFMS 1153	Negotiation and Consultancy

University General Elective Course (3 Credits):

The total number of credits for this program is **45 credits** including ONE General University Course that must be taken in semester 3. The list of General University Courses that must be selected is shown in the following list.

Course Code	Name of Course	Faculty
UBSS 6013	Organization Behavior And Development	AHIBS KL
UBSS 6023	Business Ethics, Responsibility And Sustainability	AHIBS KL
UHMS 6013	Seminar On Global Development, Economic And Social Issues	SHARP, FSSH
UHMZ 6023	Malaysian Society And Culture	SHARP, FSSH
UHIS 6013	Philosophy Of Science And Civilisation	ATI, FSSH
UHPP 6013	Dynamics Of Leadership	SP, FSSH
URTS 6013	Environmental Ethics	FTIR
UECS 6013	It Project Management	FC
UECS 6023	Introduction To Technopreneurship	FC
UHLM 6013	University General Courses	FSSH
UMJJ 6013	Basic Japanese Language And Culture	MJIIT

Figure 3 below shows the general flow of studies for mixed-mode at FM UTM from student admission to graduation.
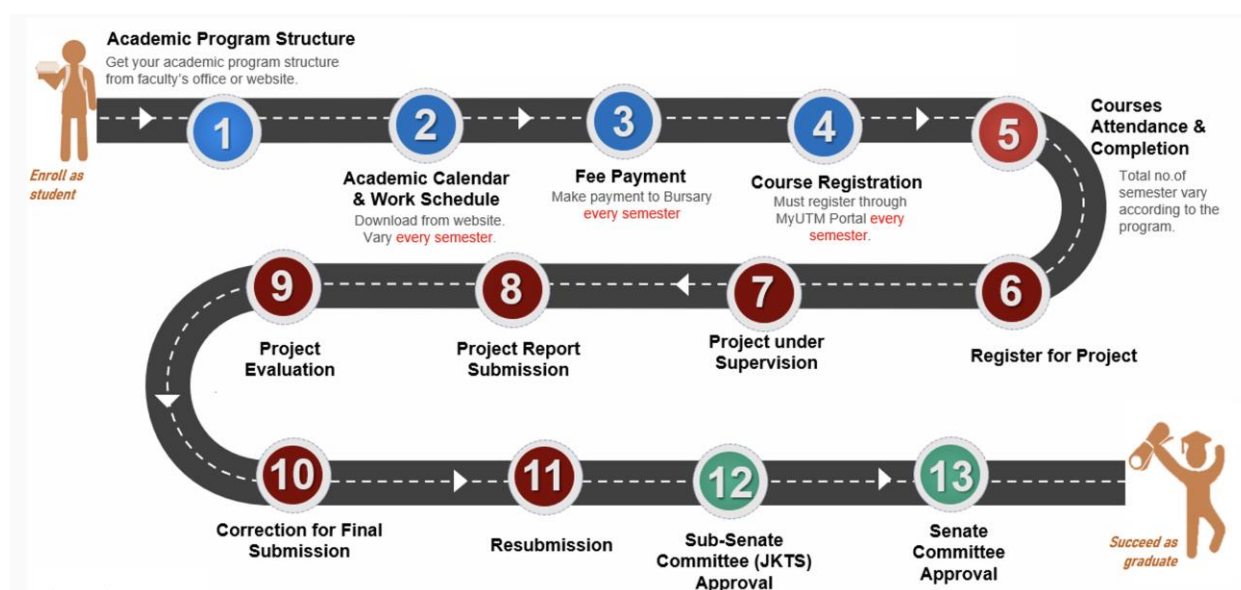

Figure 3: Flow of taught course program at FM UTM from student admission to graduation.

Marks, grade and level of achievement for taught course program is as below

MARKS	GRADE	POINT VALUE	LEVEL OF ACHIEVEMENT
90 - 100	A+	4.00	
80 - 89	A	4.00	EXCELLENT PASS
75 - 79	A-	3.67	
70 - 74	B+	3.33	
65 - 69	B	3.00	GOOD PASS
60 - 64	B-	2.67	PASS
55 - 59	C+	2.33	
50 - 54	C	2.00	
45 - 49	C-	1.67	
40 - 44	D+	1.33	FAIL
35 - 39	D	1.00	
30 - 34	D-	0.67	
00 - 29	D	0.00	

As a student registered at UTM and enrolled in a program at FM, there are several rules, procedures, and resources that must be followed and familiarized. Some of them are as below.

Course Registration

Course registration must be done every semester according to the academic calendar given by UTM. Students must take note and follow carefully all the dates given. Calendar and important dates can be seen here.

- ACADEMIC CALENDAR: https://amd.utm.my/academic-calendar/
- WORK SCHEDULE: https://amd.utm.my/work-schedule/
- FM REGISTRATION KIT: https://management.utm.my/rk-pg/

Progress Report

Students must submit a progress report describing research progress each semester. Progress reports must be submitted online at the Graduate Studies Management System (GSMS). GSMS can be accessed through the link provided in the MyUTM portal https://my.utm.my/login. Students need to alert the date announced by the academic office regarding the progress submission date.

The progress report is assessed by the supervisor. The overall assessment of the progress report is on the below mark description.

Penilaian Umum [Overall Assessment]		Keterangan mengikut kategori [Statement by category]	Deskripsi Markah [Mark Description]	Markah (M)** [Mark] [M]**
(a)	Memuaskan (MM) [Satisfactory]	Cemerlang [Excellent]	$9.0 \leq M \leq 10.0$	
		Sangat Baik [Very Good]	$8.0 \leq M < 9.0$	
			$7.0 \leq M < 8.0$	
		Baik [Good]	$6.0 \leq M < 7.0$	
			$5.0 \leq M < 6.0$	
(b)	Tidak Memuaskan (TM) [Unsatisfactory]	Sederhana [Fair]	$4.0 \leq M < 5.0$	
			$3.0 \leq M < 4.0$	
(c)	Gagal (GG) [Fail]	Lemah [Poor]	$2.0 \leq M < 3.0$	
			$1.0 \leq M < 2.0$	
			$0.0 \leq M < 1.0$	

Proposal Defense

Eligibility Requirements
    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   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.

Implementation Procedure
    i   Students must submit a Notice of Proposal Submission through the GSMS/MyAims system at least one month before the First Level Assessment;
    ii   The supervisor must nominate either two (2) Examiners (academic staff who is active in research) or three (3) Examiners (if the student is a UTM staff member) through the GSMS/MyAims system, subject to the conditions of the Examination Panel for the nomination.

Students with active status who fail to submit a research proposal within the maximum semester period will receive an Unsatisfactory (TM) grade for the particular semester. The Research Proposal/First Level Assessment must be conducted no later than the following:
    i   Master Programme (2nd of study);
    ii   Doctoral Programme (3rd of study).

Publication Requirements

The publication requirements for the thesis submission of Doctor of Philosophy students in semester six (6) and above are as follows:
- Students submit at least one (1) article publication that has been accepted or published in a journal indexed on Web of Science or;
- Students submit at least two (2) published articles that have been accepted or published in journals indexed in SCOPUS/ERA/Journals

The requirements for thesis submission for Master's students by research are:
- Master's degree students can submit a thesis for an oral examination (viva voce) on the condition that they have at least one (1) publication that is accepted or published, whether it is a journal article, conference paper, or chapter in a book.

The article produced must include the name of the supervisor (not subject to First UTM Author) and UTM as the institution. Students must be the First Student Author.

Notice of Thesis Submission (NHT)

Students who are ready to submit their thesis for viva-voce need to submit the NHT. The NHT can be submitted through GSMS 3 months before the thesis submission. Upon submission of the NHT by the students, the supervisor will nominate the names of external and internal examiners through GSMS. The nomination will be verified in the Faculty Meeting and endorsed in the JAPSU (SPS) meeting.

Application Requirements:
i   Candidates must register for that semester.
ii The notice must be certified by the supervisor.
iii The faculty sends the notice to SPS at least 3 months before the expected thesis submission date.
iv The validity period of NHT is only one year after being approved in the JAPSU (SPS) meeting.
v   Minimum NHT submission period:
    • Master's Degree: Semester 2
    • Doctoral Degree: Semester 5

Thesis Submission

Students can submit a thesis in UTM Thesis Format for viva-voce after meeting all the above criteria, passing the Turnitin plagiarism check, being free of tuition fee, and paying the viva fee.
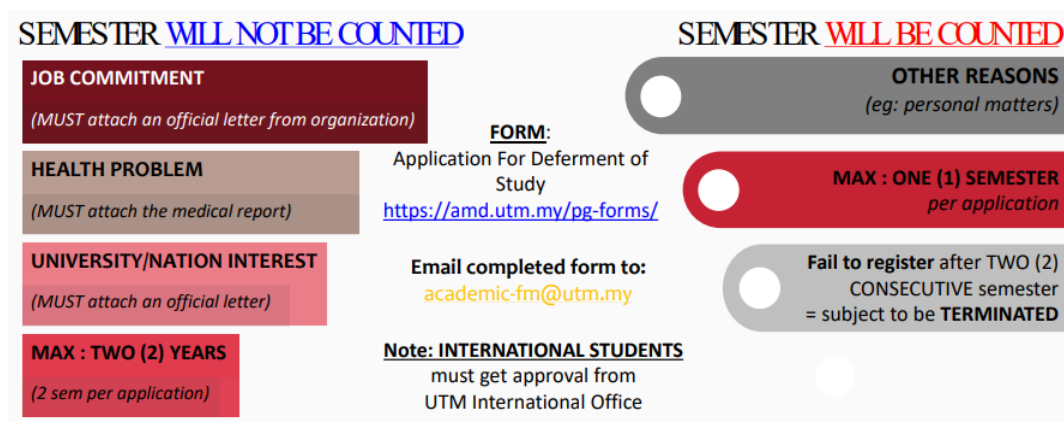
Guideline for thesis submission is as below.

1	2	3	4	5
NOTIFICATION TO SUBMIT THESIS (NHT)	**TURNITIN REPORT (<20%)**	**FEE**	**SUBMISSION FORMS AND ATTACHMENTS**	**THESIS SUBMISSION**

• Student Submits NHT via GSMS
• Student Notify Supervisor
• Supervisor Nominate Examiners and Approves NHT via GSMS
• Approval from JKA and JAPSU Meeting
	• Email your thesis to academic-fm@utm.my for plagiarism checking
	• Compulsory to use UTM email address
		• Pay Viva Fee
		• Get Zero Balance Fee Letter from Bursary (bendahari-ukp@utm.my)
			• Forms
			  • Submission Form
			  • Plagiarism Agreement
			• Attachment:
			  • Result of Plagiarism
			  • Proof of Publication
			  • Zero Be Balance Fee Letter
			  • Transcript
				• Submit softcopy thesis to academic-fm@utm.my and hardcopy thesis to FM Academic Office
				• Submission Forms and All Attachments
				• All Must Be Signed by Supervisor

3 MONTHS BEFORE SUBMISSION	**1 MONTH BEFORE SUBMISSION**	**BEFORE SUBMISSION**	**BEFORE SUBMISSION**	**SUBMISSION**

Compulsory to use UTM Thesis Format
Download the template from (https://sps.utm.my/thesis-formatting-2023/)

Deferment of study

Students can apply for deferment of studies with reasons that can be accepted and confirmed by an authorized officer. The reason for deferment can be due to health problems, natural disasters, epidemics, and other reasonable reasons. Deferment can be made in 1 semester and cannot be in 2 consecutive semesters because it will cause unsatisfactory (TM) result. All deferral applications will be discussed in faculty academic meeting and the decision whether approved or not will be communicated to the student. The types of deferment reason that will be counted or not for the semester are shown below.

Resources:

Information on academic-related resources below can be accessed through:

Faculty of Management
Block T08, Universiti Teknologi Malaysia,
81310 Johor Bahru. Johor
Website: https://management.utm.my/
Email Inquiries on Academic matters: academic-fm@utm.my

SPS:
(School of Graduate Studies)
Level 2, Wing B, Block F54, UTM JB
https://sps.utm.my/

AMD:
(Academic Management Division)
Ground Floor, Wing A, Block F54,
UTM Johor Bahru
https://amd.utm.my/

SRAD:
(Student Recruitment & Admission Division)
Level 2, Wing A, Block F54, UTM JB
https://admission.utm.my/