



UNIVERSITI
MALAYSIA
PERLIS

ACADEMIC REGULATIONS POSTGRADUATE DEGREE PROGRAMMES BY RESEARCH

2024 Edition

Presented By
CENTRE FOR GRADUATE STUDIES

PREFACE

This document contains information on general academic regulations, procedures, and guidelines for the research postgraduate programmes. It is the responsibility of the students to familiar and understand, with the rules and regulations, that any breaches may lead to disciplinary action and may disrupt the study of the students.

Universiti Malaysia Perlis (UniMAP) reserves the right to amend the rules and regulations in this document from time to time.

Centre for Graduate Studies (CGS)
Universiti Malaysia Perlis (UniMAP)
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DEFINITION	3
1.0 Introduction	5
2.0 Prior to Application	5
3.0 Application Process	6
4.0 Registration	6
5.0 Change of Programme / Field	7
6.0 Programme Conversion	7
7.0 Getting Started	8
8.0 Study Progress	14
9.0 Types of Thesis	20
10.0 Thesis Closure	22
11.0 Pre-Examination / Submission	24
12.0 Examination	25
13.0 Post-Examination / Pre-Graduation	27
14.0 Termination of Candidature	28
15.0 Reactivation of Candidature	28
16.0 Graduation	29
17.0 Industrial Doctoral Programme	29
18.0 General Provisions	30
PLAGIARISM	31
ACKNOWLEDGEMENT	33

DEFINITION

“**Academic**” refers to a full time academic member of the university or an instructor in permanent or contract position;

“**Centre for Graduate Studies (CGS)**” refers to the department established by the University to manage, administer and supervise postgraduate study programmes;

“**Co-supervisor**” refers to a person appointed as a supervisor along with the Main-supervisor to supervise the student;

“**Degree**” refers to the award conferred by the University to a student who has fulfilled the requirements for a Master’s degree or Doctor of Philosophy degree or its equivalent;

“**Department**” refers to any of the Faculty/Institute at the University;

“**External Examiner**” refers to a person from outside the University appointed by the Faculty/Institute with the endorsement of the JITU to examine and assess thesis of student in Master’s and Doctor of Philosophy programmes;

“**Faculty Evaluation Panel**” refers to panels of two (2) or more members, including a chairperson appointed by the respective Faculty/Institute, to assess a graduate student’s research/project work;

“**Field-supervisor**” refers to a person appointed as a Supervisor with the Main-supervisor to supervise the student;

“**Head of Department**” refers to the Dean of any Faculty of studies or Director of any Institute;

“**Internal Examiner**” refers to a University’s academic appointed by the Faculty/Institute with the endorsement of the JITU to examine and assess thesis of student in Master’s and Doctor of Philosophy programmes;

“**JITU**” refers to Jawatankuasa Ijazah Tinggi Universiti;

“**Main-supervisor**” refers to a person appointed as a Supervisor with the Co-Supervisor to supervise the student.

“**Plagiarise**” refers to use an idea, word, or work of another person without acknowledging its source;

“**Programme**” refers to a postgraduate study programme;

“**Postgraduate Programme Coordinator**” means an academic staff appointed by the Faculty/Institute to manage the postgraduate studies at the Faculty/Institute’s level.

“**Senate**” refers to the Senate of Universiti Malaysia Perlis.

“**Student**” means a person who has been enrolled for a post graduate study

programme at the University;

“Supervisor” refers to an academic appointed by the JITU on the Faculty’s proposal to supervise the research works;

“Thesis” refers to an extensive writing on research undertaken of a Master or Doctor of Philosophy Degree programme by research mode;

“Thesis Evaluation Panel” refers to a panel comprising all internal and external examiners to assess thesis and conduct viva-voce session;

“University” refers to Universiti Malaysia Perlis, the highest authority on academic matters in the university;

“Viva-voce” refers to an oral assessment session in which a student is required to present and justify his/her thesis to the Thesis Evaluation Panel;

RESEARCH MODE POSTGRADUATE PROGRAMME

1.0 Introduction

The objective of the regulation is to provide guidelines to a candidate to plan their studies during their postgraduate studies. The programmes offered are fully research-based. A candidate having graduated with a postgraduate degree through a research programme should be able to demonstrate a mastery of the chosen domain. Candidates are expected to conduct research independently. A PhD degree requires the candidate to demonstrate learning outcomes (LO) at MQF Level 8 in the Malaysian Qualifications Framework while for MSc degree candidates must demonstrate the attainment of LO at MQF Level 7.

2.0 Prior to Application

2.1 Research Proposal

2.1.1. Candidates with a research proposal

- a) A candidate is advised to think of possible projects for his/her study, and is encouraged to search for a potential supervisor(s) at Universiti Malaysia Perlis. A brief research proposal indicating the area of research and what the candidate intends to carry out should then be submitted to the Director of the Centre for Graduate Studies together with the postgraduate application form. The candidate must use a template of the research proposal available in the Centre for Graduate Studies' website :-

<http://cgs.unimap.edu.my/index.php/en/form/forms-guidelines>

- b) The brief research proposal will be evaluated by the postgraduate study committee at the department level. The committee will appoint a supervisor in the area of research that has been chosen if a candidate has not nominated a potential supervisor.

2.1.2. Candidates without a research proposal

In cases where the candidate has not submitted a research proposal, a list of potential research projects will be provided by the department to the candidate upon request.

2.2 Supervisors

- 2.2.1 The main supervisor must be from among UniMAP's academic staff with some expertise in the area of research proposed by the candidate.
- 2.2.2 If required, an additional supervisor may be appointed. On a case-to-case basis, an additional External expertise or Field supervisor from another university or research institute may be appointed to enhance and facilitate project supervision.

- 2.2.3 A candidate may request a particular supervisor for the research supervision. However, the final decision will have to be based on mutual consent.

3.0 Application Process

- 3.1 Applications **MUST BE** made via online <http://opa.unimap.edu.my>
- 3.2 Incomplete applications or applications that do not meet the stipulated requirements shall not be considered.

4.0 Registration

4.1 New Registration

- 4.1.1 Candidates accepted for a research programme may apply for postponing the registration at the Centre for Graduate Studies within three (3) months from the date stated in the offer letter. Candidates may apply to postpone the registration subject to a written approval from the Director of Centre for Graduate Studies.
- 4.1.2 If a candidate fails to register within the six (6) months without written permission from the Director of the Centre of Graduate Studies, the offer will be automatically null and void. After this given period, the offer will lapse and the candidate will have to resubmit a new application.

4.2 Renewal of Registration

- 4.2.1 The student will have to register at the beginning of every semester.
- 4.2.2 Students must make full payment for that semester during the registration.
- 4.2.3 Students will not be allowed to register if they do not settle any outstanding fees. Access to university facilities and benefits will be revoked.
- 4.2.4 Failure of a student to renew his /her candidature within the stipulated period shall cause his/her candidature to lapse unless the student has been granted a written approval for late registration. Students who fail to register after one (1) month of the stipulated registration date have to pay RM100 penalty.
- 4.2.5 Students who fail to register for two (2) consecutive semesters without written approval will be terminated subject to Senate approval.

SENAT 111 No. 1/2023

- 4.2.6 International students must register at the beginning of each semester to ensure that their student pass remains valid. For issues related to

international affairs, visa and student pass, please contact Centre for Graduate Studies, UniMAP.

4.3 Fees

- 4.3.1 Students are required to pay tuition fees in full during registration.
- 4.3.2 However, students are allowed to make payment based on prorated per month, which depends on the remaining month he/she registers for that semester.
- 4.3.3 Students who submit 6 copies of their thesis for examination are allowed to pay the prorated per month, which depends on the months that he/she had gone through in that semester.

SENAT 99 No. 5/2020 and LPU 74 No.1/2021

5.0 Change of Programme / Field

5.1 From one Masters or PhD programme / field to another

- 5.1.1 Application for transfer from one programme/field to another programme/field at the same level has to be submitted to the Centre for Graduate Studies. This must be done within the first year of registration for full-time students and within the first two years for part-time students.
- 5.1.2 The application will only be considered if the student has provided very strong justification for such a request and the students must have not been terminated from the current programme. A processing fee of RM 100.00 will be charged for this application.
- 5.1.3 Such a change is not encouraged between programmes of different modes.
- 5.1.4 The maximum period of candidature will remain unchanged.

6.0 Programme Conversion

6.1 From a Master's programme to a PhD programme and MSc/PhD to a PhD programme:

- 6.1.1 Applicable for full-time and part-time student. The duration for the conversion or upgrading of part-time students in the MSc/PhD and Master's by research programs is the same as for full-time students, which is within 18 months after registration.
- 6.1.2 Fulfill the publication requirement:
 - a) Two (2) proceeding articles in Scopus-Indexed Conference OR
 - b) One (1) Journal article in Scopus / Web of Science (WoS) / Excellence

of Research for Australia (ERA) for non-science and engineering programmes, e.g. a chapter in a book related to the research project.

6.1.3 Publication under the category of a review paper related to the research project can only be accepted to fulfil the publication requirement for the purpose of conversion or upgrading of studies under the following conditions:

- a) The review paper publication must be in a Q1/Q2 journal.
- b) Additionally, at least one (1) conference proceeding article indexed in Scopus must be included.

6.1.4 The student must be the first or second author in the list of authors for each publication.

SENATE 113 No.3/2023

6.1.5 Application for conversion from Master's programme to PhD programme has to be submitted to the Centre for Graduate Studies.

6.1.6 The form shall be submitted within 12 and 18 months after registration and proposal defence must be done not later than the 18 months after registration.

SENATE 107 No.2/2022

6.1.7 Any request before the minimum and after the maximum stipulated period will not be entertained.

6.1.8 The Department in which the student is doing his postgraduate studies must appoint an expert panel to study the student's proposal and give their recommendation. The student will be asked to defend his/her conversion report by presenting his/her work, publications, awards, etc to the expert panel.

6.1.9 Based on the recommendation from the expert panel, the Centre for Graduate Studies will allow such a conversion subject to approval from the Council of Postgraduate Studies (JITU) and endorsed by the Senate.

SENATE 98 No.4/2020

7.0 Getting Started

7.1 Orientation Program

All new students must attend the Postgraduate Studies Orientation Program within the first semester after the main registration. The Centre for Graduate Studies will announce the dates of the orientation programme periodically for each semester.

7.2 Proposal Workshop / Research Methodology Workshop / Thesis Writing

7.2.1 Workshop

Students are required to attend the workshops organised by the Centre for Graduate Studies and respective departments.

7.2.2 Research Methodology

- a. Student are required to register Research Methodology course via OPI system.
- b. Exemption for Research Methodology courses will be given for students who have taken the course in Master's level. Application for course exemption must be submitted to the Faculty during the first semester, subject to the terms and conditions.

SENATE 97 No. 3/2020

7.3 Research Project

7.3.1 Research Title

The title must be relevant to the programme/field of studies and approved by the Main supervisor, Faculty postgraduate committee and JITU, and endorsed by the SENATE.

7.3.2 Change of Research Title

- a. An application to change a research title must be made by using PIT-13 form that must be endorsed by the respective Head of Department via the Main-supervisor and then submitted to the Centre for Graduate Studies.
- b. Applications for minor changes of the title can be made anytime during the candidature, but major fundamental changes cannot be made later than half-way through the maximum period of candidature.
- c. All changes **MUST** be ultimately approved by JITU.
- d. There will be no change in the maximum period of candidature due to the change of research title.

7.3.3 Maximum Number of Words for Research Title

- a. The research title must not exceed 15 words.
- b. If there is a need for a title exceeding 15 words, students will need to obtain approval from the Director of CGS, through their respective supervisor with justification.

SENATE 100 No.1/2021

7.3.4 Minimum and maximum words in thesis.

Table 1: Minimum and maximum words in thesis.

Programme	Number of words	
	Minimum	Maximum
Engineering and Technology		
PhD	25,000	80,000
Master	20,000	50,000
Social Science		
PhD	60,000	100,000
Master	50,000	60,000
Mathematics		
PhD	25,000	80,000
Master	20,000	50,000

SENATE 106 No.1/2022

7.4 Selecting Supervisors

The regulations outline in section 7.4, 7.5 and 7.6 should be read together with the Code of Supervision for Postgraduate Thesis and Dissertation Chapter 1.

- 7.4.1 The supervisors must be an academic staff of UniMAP and must not be in any way personally related to the candidate throughout the candidature period.
- 7.4.2 Supervisors from different Faculty can be appointed to encourage cross-discipline research.
- 7.4.3 The candidate may nominate a new or an additional supervisor as a Co-supervisor or a Field supervisor, after the consent of the Main-supervisor and the proposed additional supervisors.
- 7.4.4 Additional supervisors can be internal or external, academic or non-academic with appropriate qualifications / expertise.

- 7.4.5 At most one additional supervisor should be nominated for MSc candidate and two for PhD candidate.
- 7.4.6 Main supervisor who is undergoing post-doctorate, industrial attachment or seconded to another institution for more than one (1) year must convert their status to co-supervisor.
- 7.4.7 However, supervisors whose students have achieved 80% of research progress (i.e completed his/her pre-viva) are allowed to maintain as main supervisor. This also covers staff who continue their study as well as those who have completed their service as academic staff at UniMAP.

SENATE 99 No.5/2020

7.5 Supervisor Qualification

7.5.1 Main supervisor For PhD

- a) The Main Supervisor must have a doctoral degree, and
 - i) have at least 2 years of teaching experience and research; AND
 - ii) has supervised master's or candidate to completion.
- b) Where a main supervisor has only a master's degree, extensive experience in research is required in addition to conditions in (i)(a) and (i)(b), and subject to approval by the University Senate.
- c) The supervisors must go through structured supervisor training.
- d) Additional criteria are subject to Senate approval.

7.5.2 Main Supervisor For MSc

- a) The main supervisor must have a doctoral degree.
- b) Where the main supervisor has a master's degree in the field, the main supervisor must;
 - i) Have at least 5 years' experience in teaching and research; AND
 - ii) Has co-supervised master's candidate
- c) The supervisors must go through structured supervisor training.
- d) Additional criteria are subject to Senate approval.

7.5.3 Co-supervisor For PhD

- a) Co-supervisor must have a doctoral degree.
- b) Where a co-supervisor has only a master's degree, extensive

experience in research is required and subject to the approval of the Senate.

- c) A co-supervisor from the industry or practitioner must at least have a master's degree and at least 10 years of experience in the field at a level appropriate for the thesis.
- d) The supervisors must go through structured supervisor training. Exemption is given to co-supervisor from the industry or practitioner.
- e) Additional criteria are subject to Senate approval.

7.5.4 Co-supervisor For MSc

- a) Co-supervisor must have a doctoral degree.
- b) Where the co-supervisor has only a master's degree in the field, the co-supervisor must have at least 1 year experience in teaching and research.
- c) A co-supervisor from the industry or practitioner must at least have a bachelor's degree and have at least 5 years of experience in the field at a level appropriate for the dissertation.
- d) The supervisors must go through structured supervisor training. Exemption is given to co-supervisor from the industry or practitioner.
- e) Additional criteria are subject to Senate approval.

SENATE 104 No.5/2021

7.6 Changing of Supervisors

- 7.6.1 A student is required to nominate a replacement supervisor in the event of the supervisor withdrawing from being a supervisor or terminates his / her services at UniMAP. This is to be done by completing PIT-19 form that can be obtained from the Centre for Graduate Studies or downloaded directly from UniMAP's website.
- 7.6.2 A student, supported by strong justifications and with agreement from his/her current supervisor, may appeal to the Faculty via the Postgraduate Programme Coordinator to change the appointed supervisor. In such a situation, the student can nominate a replacement supervisor or request a replacement to be proposed.
- 7.6.3 There will be no change in the period of maximum candidature due to changing of supervisors.
- 7.6.4 A student is only allowed to change or drop their respective supervisor based on the following timeline conditions as given in Table 2:

Table 2: Maximum duration allowed for change or drop of supervisor.

Programme	Study Mode	Maximum Duration (month)	Frequency
Doctor of Philosophy	Full Time	18	No limits
	Part Time	24	
Master	Full Time	12	
	Part Time	18	

SENATE 107 No.2/2022

7.6.5 However, for applications that do not meet the stated requirement, an appeal can still be made through the Faculty for SENATE approval.

7.6.6 For main supervisor who are no longer working in UniMAP (pension/ end of contract / etc.), they may still remain as the main supervisor based on the following conditions:

- a. The student has completed 80 % of their work (completed pre-viva)
- b. Must formally request to the Director of Centre for Graduate Studies to remain as the Main Supervisor.

SENATE 91 No.3/2019

7.6.7 After all endorsements from all parties (previous supervisor, new supervisor and Head of Department) have been obtained; the application for change of supervisors will then be discussed at the JITU for approval.

7.7 Adding Supervisors

7.7.1 Addition of new co-supervisors and field supervisors can be made throughout the entire period of a student's candidature as deemed fit by the Main supervisor and the respective Head of Department subject to the maximum numbers of co-supervisor as stipulated in 7.4.5.

7.7.2 Appointments must follow the stipulated rules and regulations in 7.4 and 7.6.4

7.7.3 There will be no change in the period of maximum candidature due to addition of supervisors.

7.7.4 After all endorsements have been obtained, the application for addition

of supervisors will then be discussed at the JITU for approval.

7.7.5 Students are required to fill up PIT-19 form that is available at the Centre for Graduate Studies website.

7.7.6 A student is only allowed to add his/her co-supervisor based on the following timeline conditions:

Table 3: Maximum duration allowed for adding co-supervisor.

Programme	Study Mode	Maximum Duration (month)
Doctor of Philosophy	Full Time	18
	Part Time	24
Master	Full Time	12
	Part Time	18

SENATE 107 No.2/2022

8.0 Study Progress

8.1 Student Status

8.1.1 Throughout students' candidature, students have to ensure the following at all times:

- a) They are registered for the programme.
- b) They have paid the required fees and settled any outstanding debt.
- c) Their candidature has not expired. Student must remain active within their candidature period until the submission of their thesis for viva-voce examinations.
- d) After the submission, the candidature period will be extended administratively until viva-voce examination.
- e) After the viva-voce examination, the candidature will be updated based on the correction recommendation duration proposed by the viva-voce panels.

SENATE 101 No.2/2021

8.2 Student Progression

8.2.1 Regular meetings are recommended between students and their supervisors at least 3 times per semester for Full - Time students and

at least 2 times per semester for Part - Time students.

- 8.2.2 Students **must** submit their progress report every six (6) months using Online Postgraduate Information System (opi.unimap.edu.my) or using PIT-11 form which can be obtained from the Centre for Graduate Studies website.
- 8.2.3 Supervisors must verify the study progress of the student and have it endorsed by the Dean of Faculty.
- 8.2.4 Students should ensure that the progress report is completely filled before forwarding it to the Centre for Graduate Studies. Incomplete reports will be rejected.
- 8.2.5 Students who fail to submit the progress report in two (2) consecutive semesters will be terminated subject to senate approval.

8.3 Publication Requirements

- 8.3.1 Students enrolled prior to October 2022 must publish their research works before submitting their thesis. For MSc student, the cumulative point of publication is 5 points while for PhD student is 10 points which consists of types of publication according to the scoring system as given in Table 4.

Table 4: Scoring system according to types of publication

Types of Publication	Impact Factor	Point
Journal		
ISI	≥ 0.50	15
ISI	< 0.50	10
Scopus		8
International (refereed)		4
Others (refereed)		2
Proceeding		
Scopus		4
International (refereed)		2
Others (refereed)		1

8.3.2 Students enrolled from October 2022 onwards must publish their research works prior to thesis submission. They must fulfil both the general and specific publication requirements.

8.3.3 For the general publication requirement, MSc students must accumulate 10 points, while PhD students must accumulate 20 points. These points are based on the types of publications according to the scoring system as given in Table 5. For the specific publication requirement, students must publish their work according to their program and field of study as given in Table 6.

Table 5: Scoring system according to types of publication

Types of Publication	Point
Journal	
WoS:Q1 & Q2	20
WoS:Q3 & Q4	15
Scopus	10
MyCite / ERA	8
Others	4
Proceeding	
WoS	6
Scopus	4
Others	1

Table 6: Specific publication requirement according to their program and field of study.

Programme	PhD		Master (Research Mode)	
Field	Engineering & Engineering Mathematics	Non- Engineering	Engineering & Engineering Mathematics	Non- Engineering
Point	20		10	
Publication	ONE (1) WoS /	ONE (1) Scopus /	ONE (1) Scopus /	ONE (1)

	Scopus indexed journal article	MyCite / ERA indexed journal article	MyCite / ERA indexed journal article	Scopus indexed proceeding article
	OR		OR	
	TWO (2) MyCite / ERA indexed journal article		TWO (2) WoS / Scopus indexed proceeding article	

8.4 Change of Status

8.4.1 Student is allowed to change his / her status from Part-Time to Full-Time or from Full-Time to Part-Time. A processing fee of RM 100 will be charged per status change.

8.4.2 Application to change the status of a student must be done by using PIT-04 form which can be obtained from the Centre for Graduate Studies or from UniMAP's website after getting approval from the Main supervisor.

8.4.3 The conversion from Full-Time to Part-Time status and vice-versa are as follow:

a. Conversion from Full-Time to Part-Time

$$\text{Part-Time} = \frac{\text{remaining of Full Time}}{\text{Full Time (total candidature)}} \times \text{Part Time (total candidature)}$$

b. Conversion from Part-Time to Full-Time

$$\text{Full-Time} = \frac{\text{remaining of Part Time}}{\text{Part Time (total candidature)}} \times \text{Full Time (total candidature)}$$

SENAT 101 No.2/2021

8.5 Extension of Candidature

8.5.1 Students who are unable to complete their programme within the stipulated time frame can apply for an extension of the duration of study.

8.5.2 Every application to extend the duration of study must be accompanied by a valid reason. Students are required to apply using PIT-04 form.

8.5.3 The maximum extension period is given in the following Table 7.

Table 7: Maximum extension period for PhD and MSc

Programme	Mode	Maximum Study Duration (year)	Maximum Extension Period (year)
PhD	Full-Time	5	2
	Part-Time	7	3
PhD by Publication (PhD. Pub.)	Full-Time	2	2
	Part-Time	3	3
MSc	Full-Time	3	1
	Part-Time	5	2

8.5.4 Students must submit their candidature extension form at least three (3) months before the end of study duration. A fine of RM100 will be imposed for late submission of the application form.

8.5.5 Application forms to extend the duration of study can be obtained from the Centre for Graduate Studies website.

8.5.6 Completed application forms must be endorsed by the Main-supervisor and approved by the respective Head of Department.

8.5.7 The duly completed and approved form must be forwarded to the Centre for Graduate Studies for further action.

8.6 Deferment of Study

8.6.1 In For deferment application, the student is advised to fill in the deferment of study application available at the online postgraduate information system (OPI) <https://opi.unimap.edu.my/OPIVer2>.

8.6.2 For The period of deferment shall not be counted in the student's total study period. The total maximum allowable period of deferment is one (1) year, either two (2) consecutive semesters or two (2) separate semesters.

8.6.1 Student is not allowed to defer his/her study more than two (2) semesters throughout his candidature unless it is on medical ground(s) provided it is certified by Medical Officer of the University or from Government Hospital OR any other valid reasons and supported with

appropriate documents, subject to approval by JITU.

8.6.2 Students who are successful in the application for deferment will be temporarily de-registered as a university student. They will have no access to, and are not allowed to use any of the facilities available at the University.

8.6.3 After completion of the approved period of deferment, students are required to register again to continue their study.

8.6.4 International students who are defer their studies must cancel the student pass, subjected to the rules of Malaysian Immigration Department from time to time.

SENAT 104 No. 5/2021

8.7 Proposal Defence for PhD and MSc

8.7.1 All PhD and MSc students are compulsory to defend their proposal by the following periods:

a) PhD student

A Full-Time PhD student must defend his/her proposal by a period of 1 year after the main registration. A Part-Time PhD student needs to do so by a period of 2 years after the main registration.

b) MSc student

A Full-Time MSc student must defend his/her proposal by a period of 9 months after the main registration. A Part-Time MSc student needs to do so by a period of 18 months after the main registration.

8.7.2 The minimum period for proposal defence is given in Table 8.

Table 8: Minimum period for proposal defence for PhD and MSc after the main (initial) registration.

Programme	Mode	Minimum Period (month)	Maximum Period (month)
PhD	Full-Time	6	12
	Part-Time	12	24
PhD by Publication (PhD. Pub.)	Full-Time	6	12
	Part-Time	12	24
MSc	Full-Time	4	9

	Part-Time	9	18
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8.7.3 Only students who have completed a Research Methodology course are allowed to defence his/her proposal. This regulation is applied to student who register beginning October 2020 onwards.

8.7.4 Student who fails in the proposal defence will be given an interval period of 6 and 3 months for PhD and MSc respectively, to redo their proposal defence until it is accepted by the evaluation panel.

SENATE 75 No.4/2016.

8.8 MSc / PhD Mini Viva

8.8.1 While it is compulsory for MSc / PhD student to defend his/her proposal in Mini Viva-Voce, not exceeding 18 months after the registration, s/he may apply through the Centre for Graduate Studies 12 months after the main registration. Below are the requirements to apply for the defence:

- a) Fulfil the publication requirement as stated in section 6.0.
- b) Completion of the MSc / PhD evaluation form (PIT 05).
- c) Submission of the MSc / PhD report which covers:
 - i. The results of the research work.
 - ii. Research activities such as a publication in journal/proceeding/article, participation in exhibition and presentation of the research works.

8.8.2 Failure to conduct the defence within the stipulated period (not exceeding 18 months after registration), will cause failure to be promoted to the PhD study and will continue to MSc study.

8.8.3 Students who fail in the defence will continue to MSc study.

SENATE 106 No.1/2022, SENATE 98 No.4/2020

9.0 Types of Thesis

9.1 Conventional Thesis

9.1.1 For Conventional Thesis, students must fulfil the publication requirement according to their enrolment. Refer section 8.3.

9.1.2 The candidate must be the single author or the first author of the published works.

- 9.1.3 Review paper can be considered as part of the research paper, limited to only one review paper.

SENATE 84 No. 2/2018

- 9.1.4 Reference should be made to the "Guidelines for Preparation and Submission of Graduate Thesis".

9.2 Thesis Submission by Publication (for PhD Student only) and PhD Pub.

- 9.2.1 The thesis will be based on a number of publications in high impact international journals or papers accepted for publication which may also include monograph, book chapter based on high impact research and quality e-publication, creative work and artefacts in related field with a cumulative impact factor within the period of candidature. The student will have made significant contributions through the publications.

- 9.2.2 The following requirements must be fulfilled for:

a) PhD Thesis Submission by Publication:

- i. For PhD Thesis Submission by Publication, a minimum of three (3) high ISI Impact Factor (IF) research papers with a cumulative impact factor of no less than five (5).
- ii. The candidate must be the single author or the first author of the published works.
- iii. For papers with multiple authorships, supporting written verification of co-authors, including their permission to include the paper in the thesis submission must be obtained by the candidate.
- iv. A review paper is not regarded as part of the research paper as mentioned in Section 9.2.2. (a) i).
- v. Normally all papers are expected to have been developed and submitted during the period of candidature. However, one or more papers from research and resulting publication undertaken prior to enrolment in a higher degree program may be approved for incorporation subject to approval by CGS.

b) PhD Thesis by Publication:

- i. For PhD (Pub.)Thesis, a minimum of five (5) selected high Impact Factor research papers with accumulative ISI impact factor from three (3) research papers of no less than five (5).
- ii. The candidate must be the single author or the first author for at least three (3) of the papers selected as published works where there is more than one author of the submitted papers.

- iii. For any paper with multiple authorships, supporting written verification of co-authors, including their permission to include the paper in the thesis submission must be obtained by the candidate.
- iv. A review paper is not regarded as part of the research paper as mentioned in Section 9.2.2. (b) i).
- v. Quality of accumulated research output must be equivalent to conventional PhD standards.
- vi. A paper that has been published more than 10 years prior to the thesis submission is not eligible for inclusion.

9.2.3 Reference should be made to the Format Thesis Submission by Publication and PhD (Pub.).

9.2.4 Normally the contents of the thesis shall include all components required of a standard thesis in addition to the following:

- a) Introduction.
- b) Literature Review.
- c) Published Works (includes research methodology and results):
 - i. List of published works (minimum of 3 for Thesis submission by publication and minimum of 5 for PhD (Pub.) with a cumulative ISI IF of 5). Each publication can be a single chapter. However, there must be clear indication of continuity between chapters.
 - ii. Unpublished works (if any)
 - iii. Documents of declaration stating the published works are the works of the candidate and are endorsed by all co-authors (if applicable). (refer to CGS Declaration form).
 - iv. Published papers and accepted manuscripts.
 - v. Synopsis of each published work.
 - vi. Each published paper or submitted manuscript must begin with a clear statement of the contribution made by each writer of any jointly written paper.
- d) Discussion and Conclusion

10.0 Thesis Closure

10.1 Notice of Thesis Submission

10.1.1 At the end of the graduate programme, a student must submit Notice of

Thesis Submission form (PIT-12) online through opi.unimap.edu.my at least three (3) months before the submission of thesis for evaluation form. **This notice is valid for only six (6) months after the submission of notice.**

- 10.1.2 All relevant fields in the form must be filled, especially the thesis title and its translation (English or Malay).
- 10.1.3 The thesis title must not exceed 15 words. If there is a need for a title that exceeds 15 words, approval must be obtained from the Director of the Centre for Graduate Studies. The application must be made by the student with justification through their respective supervisor.

SENATE 100 No.1/2021

- 10.1.4 Before the form is submitted, the respective Head of Department has to endorse the suggested internal and external examiners.
 - 10.1.5 Notice of thesis submission can only be submitted while the student is registered as a postgraduate student. If the student ceases to be officially registered, the student is required to apply for an extension to the duration of study and pay the relevant fees before submitting the notice.
 - 10.1.6 If the student fails to submit his/her thesis evaluation copies within the maximum six (6) months from the date of notice, the student is required to apply, by writing, for an extension period of three (3) months. This request must be made before the notice expires.
 - 10.1.7 If the Centre for Graduate Studies receives no request for extension or the student fails to submit his/her thesis before the notice expires, the student must submit a new notice of thesis submission form.
- 10.2 Pre-viva Presentation for PhD and MSc
- 10.2.1 MSc and PhD students are required to do pre-viva presentation to present their research outcomes before the submission of six (6) copies of their theses.
 - 10.2.2 Pre-viva presentation is conducted by the Faculty under the arrangement of Postgraduate Programme Coordinator.
 - 10.2.3 There is no assessment in the pre-viva presentation; however, it will provide the student some relevant experience before attending the final viva-voce.

10.3 Thesis Submission Requirement

10.3.1 Students are required to fulfil these criteria before submitting six (6) copies of their thesis:

- i. Attend Postgraduate Studies Orientation Programme.
- ii. Attend Thesis Writing Workshop.
- iii. Pass Research Methodology Course.
- iv. Pass English Placement Test (for international students) for those who do not meet English entry requirement.
- v. Pass proposal defence.
- vi. Meet publication requirement as stated in Section 8.3.
- vii. Undergone pre-viva presentation as stated in Section 10.2.

11.0 Pre-Examination / Submission

11.1 Submission of Thesis for Evaluation

11.1.1 Six (6) copies of the student's thesis should be submitted to the Centre for Graduate Studies for the purpose of evaluation. These copies **must be ring bound** with plastic cover. Students must submit the thesis together with PIT-17 form online through opi.unimap.edu.my.

11.1.2 Students must ensure the title has been updated in the GAMIS system. Failure to do so, the submitted thesis will not be processed for evaluation until the new title is approved by JITU.

SENATE 100 No.1/2021

11.1.3 Students must submit a similarity index report (PIT 17-B), together with six (6) copies of the student's thesis. A similarity measure could be done by using "TURNITIN" software with guidance of supervisor. Guideline of responsibility in TURNITIN for supervisor and candidates are as listed below:

- (i) Supervisor must create an account for all his/her supervisee
- (ii) Supervisor shall ask his/her supervisee to submit to TURNITIN using the account assigned by the supervisor.
- (iii) Supervisor shall not allow supervisee to use the supervisor main account or disclose the login detail to the supervisee.
- (iv) Supervisor should advise his/her supervisee to submit each chapter to

TURNITIN software in order to generate initial TURNITIN reports

- (v) Supervisor shall read through the TURNITIN report and discuss/advice his/her supervisee on any amend to be made
- (vi) Supervisor must complete the SIMILARITY INDEX FORM PIT 17-B for the final TURNITIN report of the final thesis. Details of similarity index is according Table 9.

Table 9: Details of TURNITIN similarity index

Similarity index/ Chapter		
per Article	per Chapter	Similarity Source
5%	20%	1. Publications: All refereed journals, proceedings and papers, refereed Open Access journals and publications
10% (self-citation)		2. Student Thesis/Papers
		3. Internet Sources: white papers, trade articles, e-book

SENATE 79 No.3/2017

- 11.1.4 The student is required to comply strictly with the format of writing a thesis as described in the “Guidelines for Preparation and Submission of Graduate Thesis”. The Centre for Graduate Studies will not accept any thesis that does not comply with these requirements.
- 11.1.5 The student is also required to pay the thesis examination fees at the Bursary and return a copy of the payment slip to the Centre for Graduate Studies.
- 11.1.6 The evaluation copies must be forwarded together with the relevant submission criteria form (PIT-17-A), submitted online through opi.unimap.edu.my. This form consists of *Checklist of Thesis Submission* where students are required to settle all outstanding fees / fines and borrowed items before submitting the thesis for evaluation.

12.0 Examination

12.1 Convening of the Viva-voce

- 12.1.1 The student must be ready for a *viva-voce* session at least four (4) weeks for Master students and eight (8) weeks for PhD students after the submission of thesis evaluation copies. Students will be called anytime to defend their thesis as soon as the internal and external

examination reports are obtained.

- 12.1.2 The student is required to inform the Centre for Graduate Studies regarding any change of address, contact number or email to ensure that the student can be easily contacted for viva-voce arrangements.
- 12.1.3 As soon as the Thesis Examination Panel is formed (subject to feedback from the internal and external examiners), the student will be contacted for their viva-voce arrangements.
- 12.1.4 After the viva-voce session, the student must obtain the summary report of the viva-voce session from the secretariat of the Thesis Examination Panel. This report will contain suggestions of corrections and improvements (if any) that have been agreed by the panel to be incorporated into the final version of the thesis.
- 12.1.5 Students will be given a period of time to correct and improve their thesis, if required by the examination panel. The panel will mention this duration in its summary report.
- 12.1.6 Students are advised to meet or contact their main supervisor for their thesis correction and improvement before submitting the final version of the thesis to the Centre for Graduate Studies.
- 12.1.7 Main method of implementation for viva-voce is face-to-face (physical).
- 12.1.8 The implementation of online viva-voce is allowed if:
 - a. The Faculty / Institute can conduct an oral examination (viva-voce) online without having to apply to the CGS Director if the thesis report from the External Examiner recommends either pass with category 1 (without correction) OR category 2 (minor correction), OR category 3 (major correction). This permission is limited to the presence of External Examiners to attend online only.
 - b. The Faculty / Institute must make an application to the Director of CGS if the results of the thesis report are not as stated in (a) and the student is requested to attend online.
 - c. The members of the viva-voce Panel i.e. the Chairman, the Internal Examiner and the Supervisor must be physically present.

SENATE 107 No.2/2022

- 12.1.9 For students pursuing the Industrial Doctor of Philosophy (PhD) program and master's degree sessions involved in collaboration with industry programmes, for the purpose of evaluating viva-voce they must submit Non-Disclosure Agreement (NDA).

SENATE 107 No.2/2022

12.2 Examination Result

12.2.1 A thesis shall be examined and recommended by the Thesis Examination Panel as to whether it be:

- (i) The student is awarded a PhD/Master's Degree; *or*
- (ii) The student is awarded a PhD/Master's Degree subject to minor changes/corrections/revisions to the thesis as listed in the Panel of Examiners report.
- (iii) The student is awarded a PhD/Master's Degree subject to major changes/corrections/revisions to the thesis as listed in the Panel of Examiners report.
- (iv) The student is allowed to resubmit the thesis for re-examination after the student has made major changes/corrections/revisions to the thesis as listed in the Panel of Examiners report. The student may be required to attend another viva-voce.
- (v) The candidate is not be awarded the degree of Doctor of Philosophy but a lower degree.
- (vi) The student is not eligible to be awarded a PhD/Master's Degree and is not allowed to resubmit the thesis for examination.

SENATE 75 No.4/2016

12.2.2 In the event of a discrepancy in evaluation between the examiners, it shall be the prerogative of the Thesis Examination Panel to determine the specific category under which the thesis/dissertation should fall. In case of dispute, the Thesis Examination Panel will refer to JITU for the final decision.

13.0 Post-Examination / Pre-Graduation

13.1 Verification of Amendments

13.1.1 Within the period given for amendments, the students shall prepare a preliminary draft incorporating the corrections and improvements to complete the verification process.

13.1.2 The main supervisor and at least one of the thesis examiners will verify that all required amendments have been made.

13.2 Submission of Final Thesis

13.2.1 Students are required to submit three (3) hardcover version of their final thesis in order to graduate.

13.2.2 The main supervisor and the respective Head of Department must endorse the final version of the thesis using the relevant form which can be obtained from the Centre for Graduate Studies website.

13.2.3 If the respective Head of Department is the main supervisor, co-supervisor or the internal examiner for the student, the Dean of the Centre of Graduate Studies will instead endorse the final version of the thesis.

13.2.4 Students are also required to complete PIT-18 form regarding information to be written in the graduation scroll during the final submission of thesis.

13.2.5 If the thesis is not amended as requested by the Thesis Evaluation Panel, it shall be deemed to be rejected.

14.0 Termination of Candidature

14.1 A student candidature will be terminated in the following cases:

14.1.1 If s/he does not satisfy the student status as stated in rules 8.1.1 and 8.2.2.

14.1.2 If the student's performance is unsatisfactory without a valid reason and upon advice from the main supervisor.

14.1.3 If the student is convicted of a felony or engaged in activities, which is deemed to tarnish the university's reputation and image.

14.1.4 If s/he is found to be involved in any academic foul-play/ academic misconduct his/her duration of study.

14.1.5 If the student is found to be in violation of the university's rules and regulations.

15.0 Reactivation of Candidature

15.1 A student whose candidature is terminated may appeal to the Centre for Graduate Studies.

15.2 The student must apply for reactivation within one (1) month of receipt of termination letter.

15.3 The appeal letter together with the following fees and documents should be attached:

a) A processing fee of RM 500 will be imposed.

b) All outstanding and current fees and other charges have been paid.

- c) The reason for the appeal must be clearly stated, and
- d) A support letter/document (if applicable) from the main supervisor and the respective Head of Department must be attached.

16.0 **Graduation**

16.1 Conferment of PhD or MSc Degree

A PhD or MSc Degree will be awarded to candidates who fulfil the following requirements:

- a) Pass the viva-voce session.
- b) Submit three (3) hard bound copies of the thesis to the Centre for Graduate Studies.
- c) No outstanding bills and dues with the University.

16.2 Apart from the academic requirements, candidates have to also fulfil all the following administrative requirements:

- a) Currently registered (not withdrawn, defaulted, deferred or terminated).
- b) Has made full settlement of fees and is free from any financial commitments and debts to the University.
- c) Free from any disciplinary action or any other pending disciplinary action.

SENATE 75 No.4/2016

16.3 Conferment of the PhD or MSc degree is subject to the approval by the University Senate.

17.0 **Industrial Doctoral Programme**

17.1 For the Industrial Doctoral Programme, there must be an MoU or an MoA existing between UniMAP and the student's industrial company regarding the intellectual property rights.

SENATE 100 No.1/2021

17.2 The panel of examiners must sign the Non-Disclosure Agreement (NDA) and must be stamped by Faculty.

18.0 General Provisions

The Centre for Graduate Studies with the approval of the University Senate reserves the right to introduce any further and future methods and implementation procedures within any of the provisions of these academic regulations. All such methods and implementation procedures must be observed by the student. The Vice Chancellor shall consider any appeal on any of the provisions under these Regulations at the discretion and shall make any considerations and exceptions as it sees fit and deem necessary

PLAGIARISM

General Statement

In the tradition of scholarly pursuit, students are advised against committing plagiarism according to '**UNIVERSITIES AND UNIVERSITY COLLEGES ACT 1971, UNIVERSITI MALAYSIA PERLIS**' (STUDENTS DISCIPLINARY COMMITTEE).

Prohibition Against Plagiarism

A candidate shall not plagiarise any idea, writings, data or invention belonging to another person. For the purpose of this rule, plagiarism includes:

- The act of taking an idea, data or an invention of another person and claiming that the idea, data or invention is the result of one's own findings or creation; or
- An attempt to make out or the act of making out in such a way, that one is the original source or the creator of an idea, data or an invention which has actually been taken from some other source.

Without prejudice to the generality of the above sub-rule, a student is considered to plagiarise when s/he:

- Publishes with himself as the author, an abstract, article, scientific or academic paper, or book that is wholly or partly written by some other person.
- Incorporates him or allows him to be incorporated as co-author of an abstract, article, scientific or academic paper, or book when he has not at all made any written contribution to the abstract, article, scientific or academic paper or book.
- Forces another person to include his name in the list of co-researchers for a particular research project or in the list of co-authors for a publication when he has not made any contribution which may qualify him as a co-researcher or coauthor;
- Extracts academic data which are the results of research undertaken by some other person, such as laboratory findings or field work findings or data obtained through library research, whether published or unpublished, and incorporates those data as part of his academic research without giving due acknowledgement to the actual source;
- Uses research data obtained through collaborative work with some other person, whether or not that other person is a staff member or a student of the University, as part of another distinct personal academic research of his, or for a publication in his own name as sole author, without obtaining the consent of his co-researchers prior to embarking on his personal research or prior to publishing the data;
- Transcribes the ideas or creations of others kept in whatever written, printed or available in electronic form, or in slide form, or in whatever form of teaching or research apparatus, or in any other form, and claims either directly or indirectly

that he is the creator of that idea or creation;

- Translates the writing or creation of another person from one language to another whether wholly or partly and subsequently presents the translation in whatever form or manner as his own writing or creation or;
- Extracts ideas from another person's writing or creation and makes certain modifications without due reference to the original source and rearrange it in such a way that it appears as if he is the creator of those ideas.

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