



WELCOME TO POSTGRADUATE STUDY @UMT



Terokaan Seluas Lautan, Demi Kelestarian Sejagat | *Ocean of Discoveries for Global Sustainability*

November 2023



WELCOME TO UMT (Established since 1996)

UMT'S PHILOSOPHY

The integration of knowledge and practice based on the faith in Allah is fundamental to the university's endeavor in preparing competent human capital for global prosperity.

VISION

A marine-focused university,
reputed nationally and
respected globally

MISSION

Generating knowledge for the
prosperity of the community
and world sustainability





ENROLLMENT STATISTIC (ACTIVE STUDENTS)

ENROLLMENT
1372

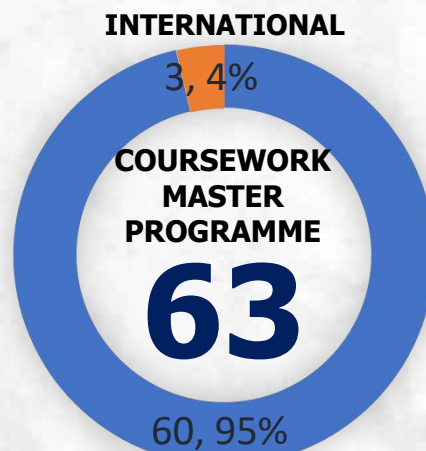


836
LOCAL



536
INTERNATIONAL

63
COURSEWORK
MASTER
PROGRAMME



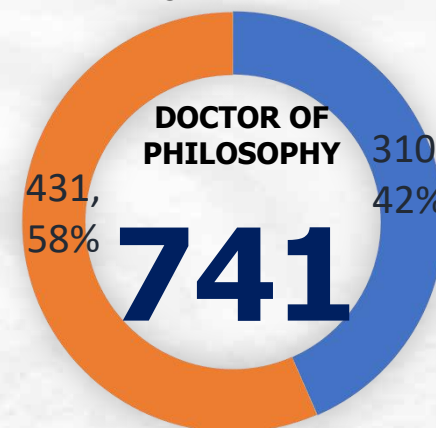
LOCAL

INTERNATIONAL



LOCAL

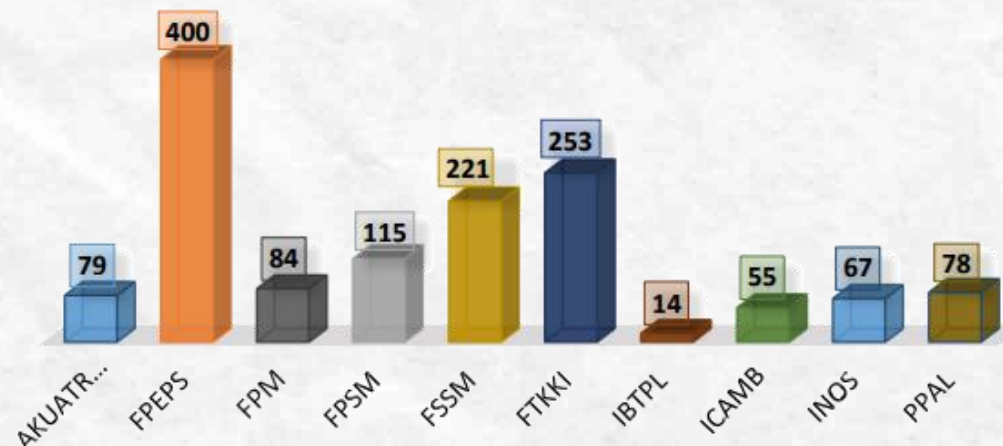
INTERNATIONAL



LOCAL

568
RESEARCH
MASTER
PROGRAMME

741
DOCTOR OF
PHILOSOPHY



ALL our postgraduate programmes are accredited by Malaysian Qualification Agency (except for new taught course programmes)

Data until 8th October 2023






Terokaan Seluas Lautan, Demi Kelestarian Sejagat | Ocean of Discoveries for Global Sustainability


November 2023







POSTGRADUATE MANAGEMENT CENTRE (PPS) CONTACT



-  gso@umt.edu.my (general issues);
-  gs.daftar@umt.edu.my (for registration matter only);
-  gs.admission@umt.edu.my (for admission matter only)

-  +609-6684393/5057

-  <https://postgrad.umt.edu.my/>

-  https://t.me/+wjj0NNrnN_NmMmQ9
(PG 2021) - PG students
-  <https://t.me/+QJuBCatKILFmNDQ9>
(PG To Be) – candidates issued with offer letter already
-  <https://t.me/+8xd1T1TYkaRjMWU1>
(PG To Be (English)) – candidates not meeting English requirement





<https://postgrad.umt.edu.my/>

PPS WEBSITE



POSTGRADUATE MANAGEMENT CENTRE

Universiti Malaysia Terengganu

HOME CORPORATE INFO ▼ POSTGRADUATE ▼ FACILITIES FACULTIES CONTACT US ANNOUNCEMENT FAQ

ABOUT US

POSTGRADUATE PROGRAMME

TUITION FEE

ADMISSION

STUDENT REFERENCE

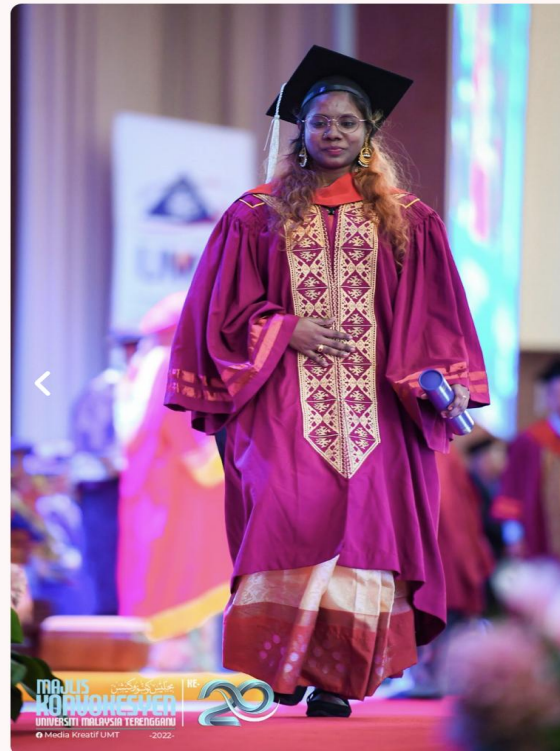
FINANCIAL ASSISTANCE

ACADEMIC CALENDAR

REGISTRATION

TRAINING ORGANIZED BY PPS

POSTGRADUATE SECRETARIAT AT FACULTY/INSTITUTE/CENTER



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November 2023



VISION AND MISSION OF PPS

VISION

To make UMT as a centre for postgraduate studies of choice in producing competent, competitive and innovative postgraduate

MISSION

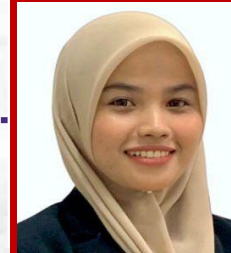
Implementing systematic, effective and efficient postgraduate management to ensure quality postgraduate programmes and meeting the stakeholders' needs



PPS MANAGEMENT



Prof. Ts. Dr. Amiza Mat Amin
Director



**Nur Affzan Afieka Binti
Ahmad Affluh**
Secretary



**Assoc. Prof. Chm. Dr. Siti Kamilah
Che Soh**
Deputy Director



Zulkarni Ismail
Senior Assistant Registrar



Fatin Athirah Azmi
Assistant Registrar

PPS STAFFS

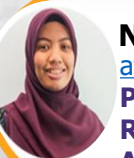
POSTGRADUATE ACADEMIC MANAGEMENT SECTION



Fatin Athirah Azmi (N41)
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Kamizah Ibrahim (N22)
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**POSTGRADUATE STUDIES AND
RECORD (FTKKI, FSSM, INOS, IMB,
IBPTL)**



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**POSTGRADUATE STUDIES AND
RECORD (FPEPS, FPM, FPSM,
AKUATROP, PPAL)**

ADMISSION AND GENERAL ADMINISTRATION SECTION



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Nur Faizah Mohd Muda (N19)
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DATA AND SYSTEM MANAGEMENT



Faridah Jaafar (N26)
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ADMISSION & GRADUATION

STUDENT AFFAIRS SECTION



Aizan Ibrahim (N32)
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**STUDENT AFFAIRS (REFUND CLAIM
FOR CONFERENCE REGISTRATION
FEE, POSTGRADUATE ROOM,
STUDENT DEVELOPMENT
ACTIVITIES)**



Suraya Mohamad (N19)
suraya@umt.edu.my, ext : 4335
**STORE MANAGEMENT, PURCHASE
ORDER, STUDENT AFFAIRS**



Rosli Alias (N11)
roslia@umt.edu.my, ext : 5057
COUNTER AND GENERAL SERVICES



INTERCONNECTION OF POSTGRADUATE STUDY PROCEDURES BETWEEN STUDENT, PTj (Faculty/Institute/Centre/International Centre) AND PPS

**PROGRAMME COORDINATOR FOR
RESEARCH OR COURSEWORK
(MASTER & PhD)**

**SOP SUMMARY FOR
POSTGRADUATE STUDY**



**PROGRAMME COORDINATOR
FOR MASTER TAUGHT COURSE
PROGRAMS**

**PROGRESS FOLDER (RESEARCH
PROGRAMME)**



Please check which
step are you referring
to the Summary of
SOP for Postgraduate
Study-
To ensure that you
ask the right person



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ADMINISTRATION & ACADEMIC OPERATIONS THAT NEED APPROVAL FROM POSTGRADUATE STUDIES COMMITTEE (JKPS) OF FACULTY/INSTITUTE/CENTRE

Admission

- New admission application

Chairman: Dean/Director

Changes in

- Supervision
- Study Programme
- Field of study
- Faculty/ Institute/ Centre
- Deferment of study
- Withdrawal
- Appeal
- Conversion
- Mode of study

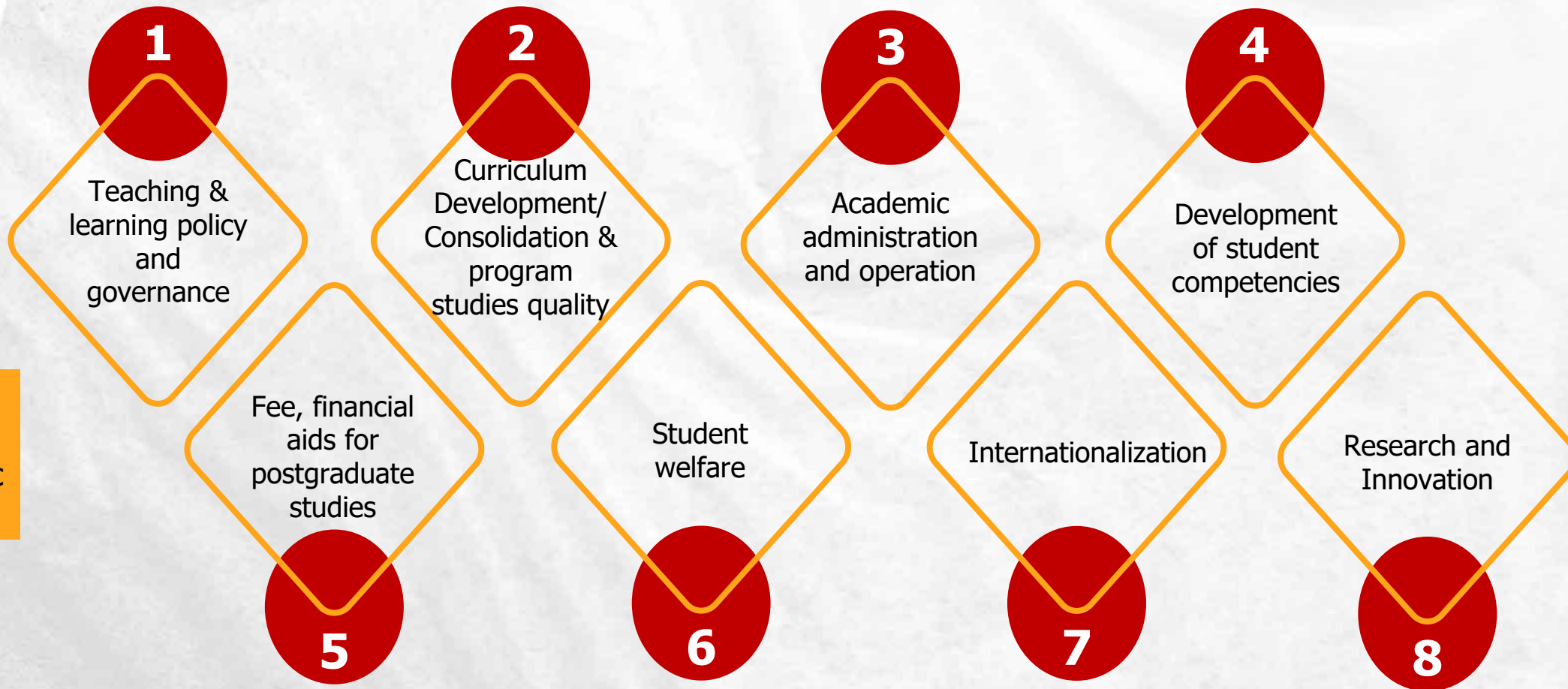
Examination management

- Examination results (Taught Course)
- Progress Evaluation Result (Research)
- Viva voce result
- Graduation (Taught Course and Research)
- Grade review appeal
- Examination resit

Miscellaneous

- Extension of duration of study
- Candidature Assessment (CA)
- Exemption of Research Methodology course

MEETING AGENDA IN POSTGRADUATE STUDIES COMMITTEE (JKPS) AT UMT LEVEL



Chairman:
Deputy Vice
Chancellor (Academic
& International)

ACADEMIC ADMINISTRATION & OPERATION THAT NEED RECOMMENDATION & APPROVAL FROM UMT JKPS

1

AWARD OF GRADUATION FOR POSTGRADUATE STUDIES (BY RESEARCH)

UMT JKPS: Recommendation
UMT SENATE: Approval

2

CONVERSION OF MASTER TO PhD PROGRAMME

UMT JKPS: Recommendation
UMT SENATE: Approval

3

APPEAL TO TERMINATION DUE TO:

- 1) Exceeding the duration of study
- 2) Failure and terminated (GB)

UMT JKPS: Approval
UMT SENATE: Notifcation



LATEST RULES/ REGULATIONS/ SOP/FEES

UMT
UNIVERSITI MALAYSIA TERENGGANU

**UMT POSTGRADUATE STUDIES
RULES & REGULATIONS
(RESEARCH)**

POSTGRADUATE MANAGEMENT CENTRE
UNIVERSITI MALAYSIA TERENGGANU

UMT
UNIVERSITI MALAYSIA TERENGGANU

**UMT POSTGRADUATE STUDIES
RULES & REGULATIONS
(COURSEWORK)**

POSTGRADUATE MANAGEMENT CENTRE
UNIVERSITI MALAYSIA TERENGGANU

UMT
UNIVERSITI MALAYSIA TERENGGANU

**PERATURAN YURAN PENGAJIAN
PASCA SISWAZAH UMT**
UMT POSTGRADUATE FEE RULES AND
REGULATIONS

POSTGRADUATE MANAGEMENT CENTRE
UNIVERSITI MALAYSIA TERENGGANU

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UNIVERSITI MALAYSIA TERENGGANU

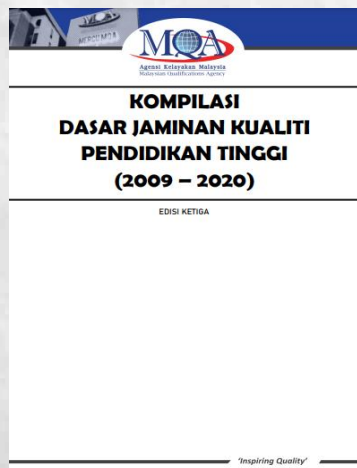
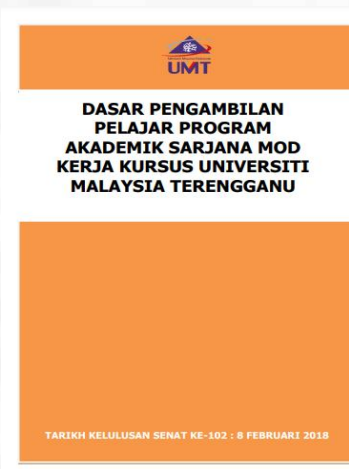
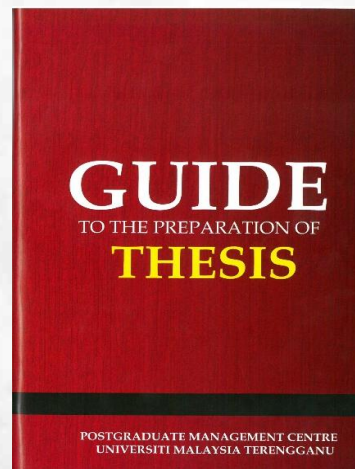
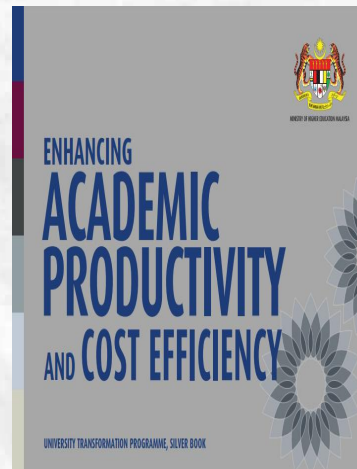
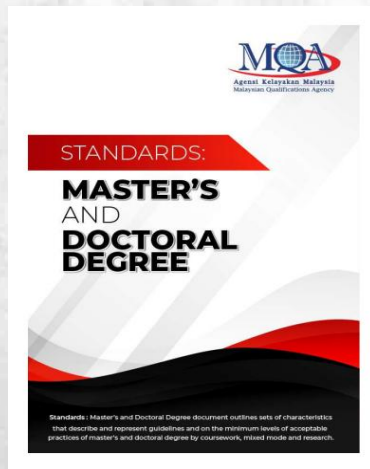
**PROSEDUR PENGAJIAN SISWAZAH
UNIVERSITI MALAYSIA TERENGGANU**

Disediakan oleh: Pusat Pengurusan Siswazah
Tarikh Kkuatkuasa: 13 Mac 2022



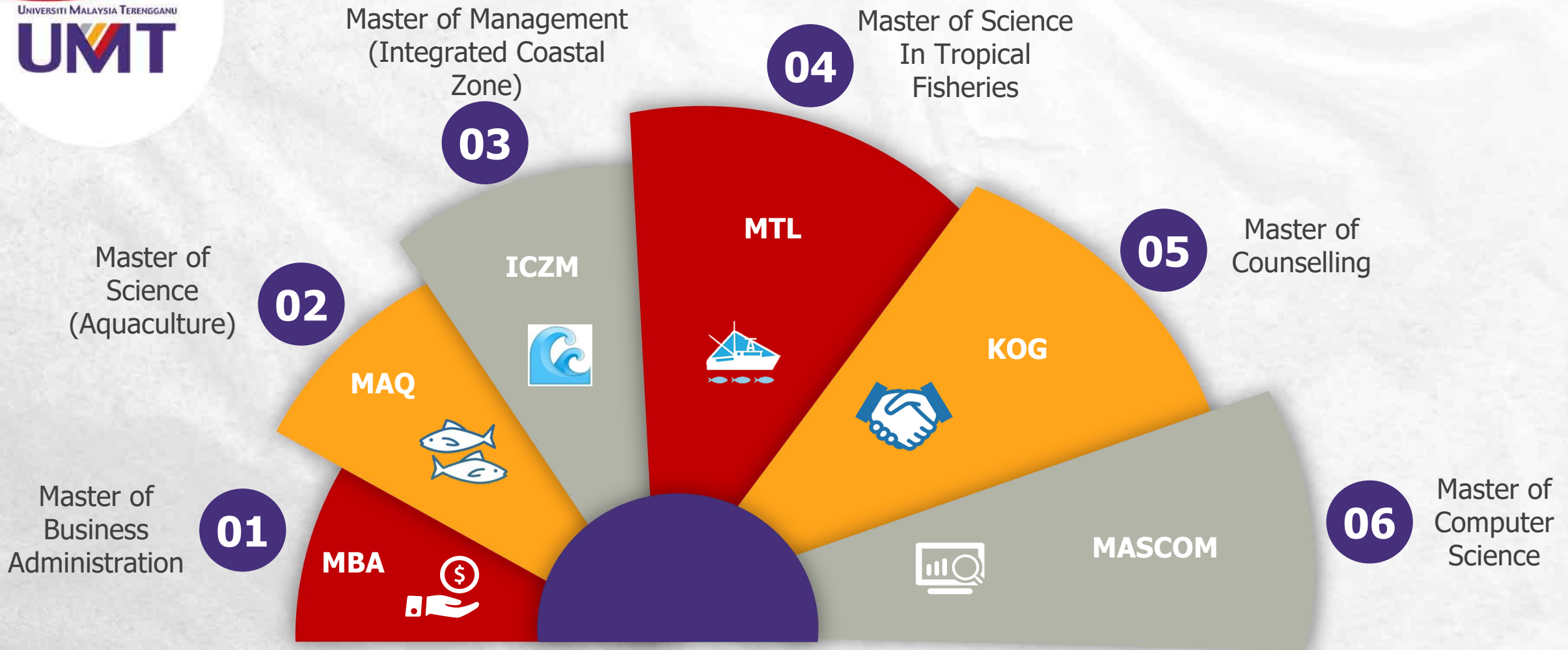


REFERENCES USED



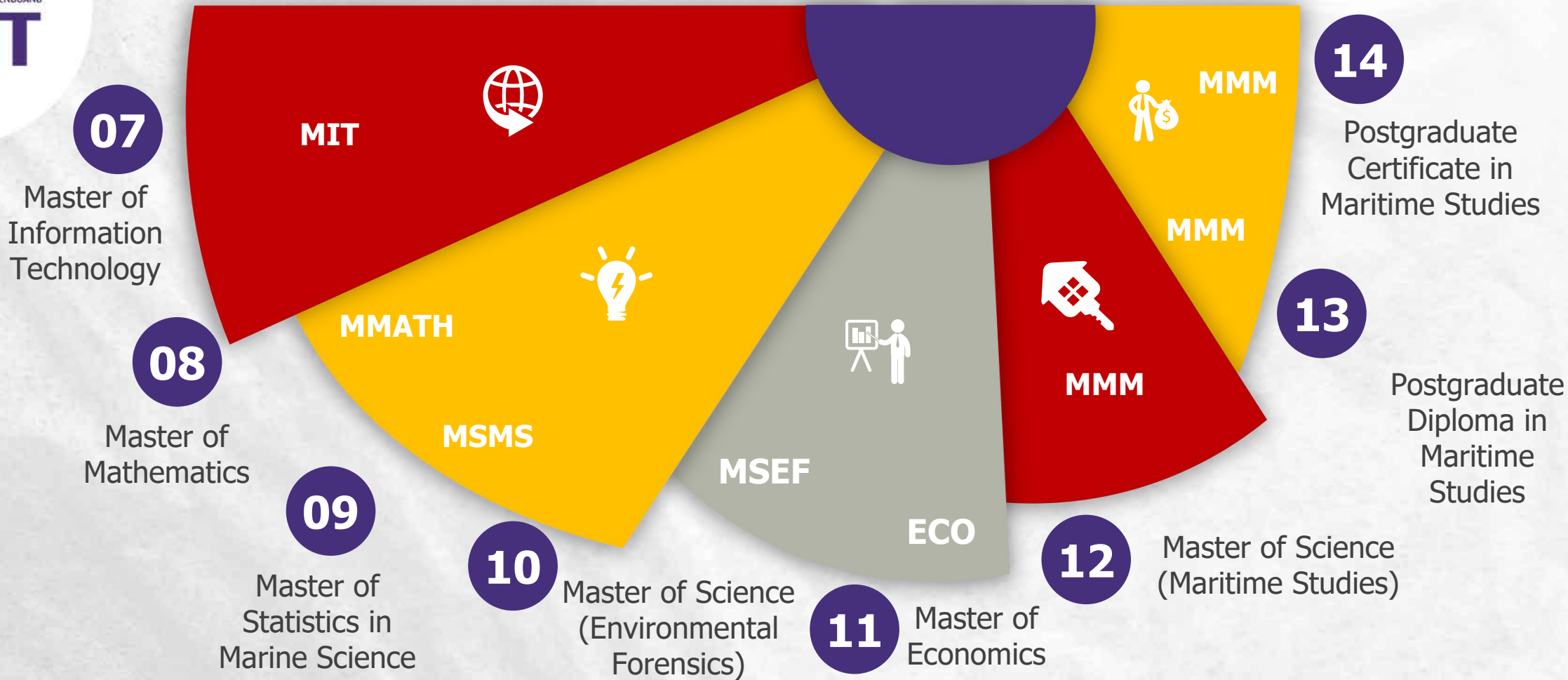


MASTER BY COURSEWORK

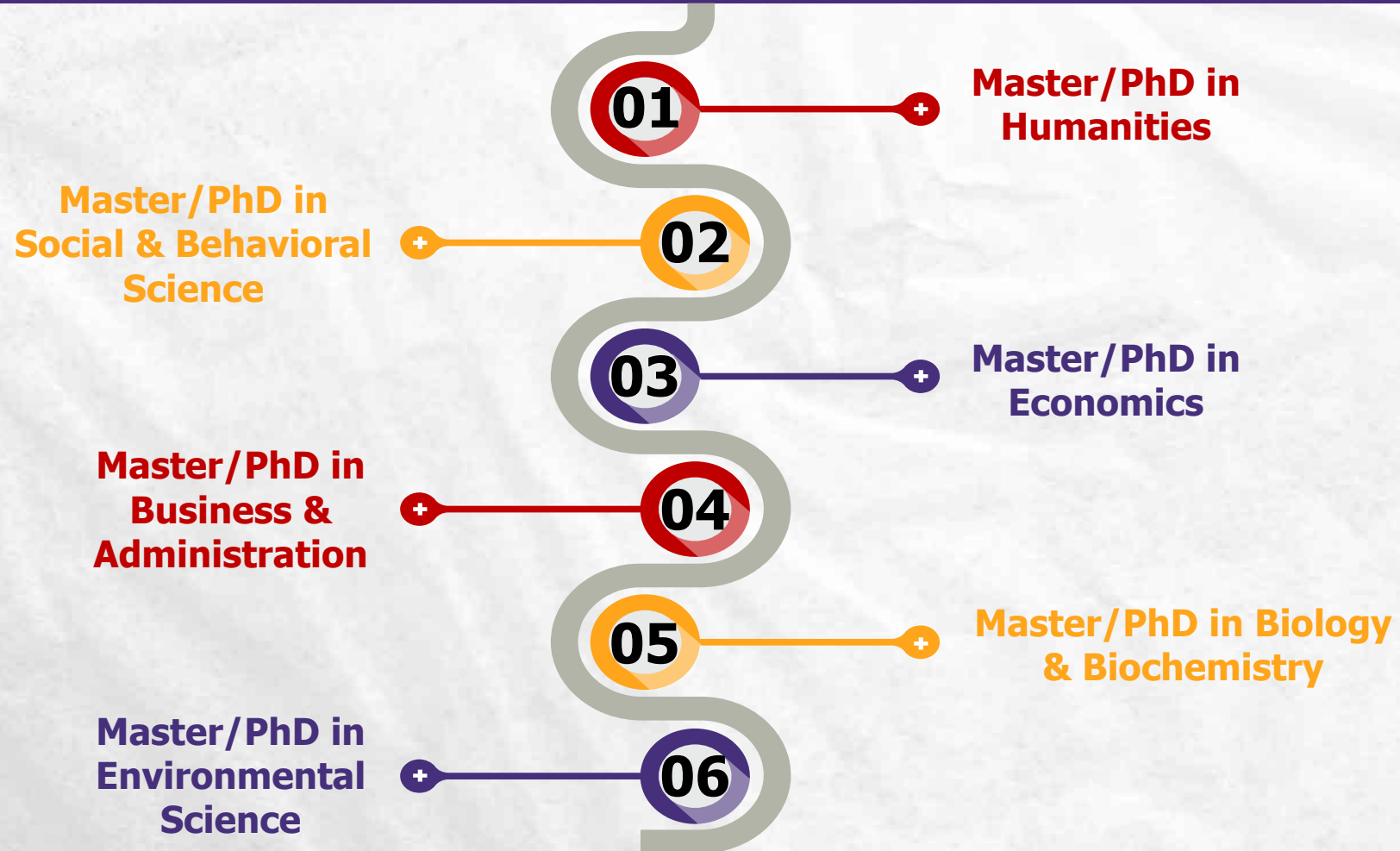


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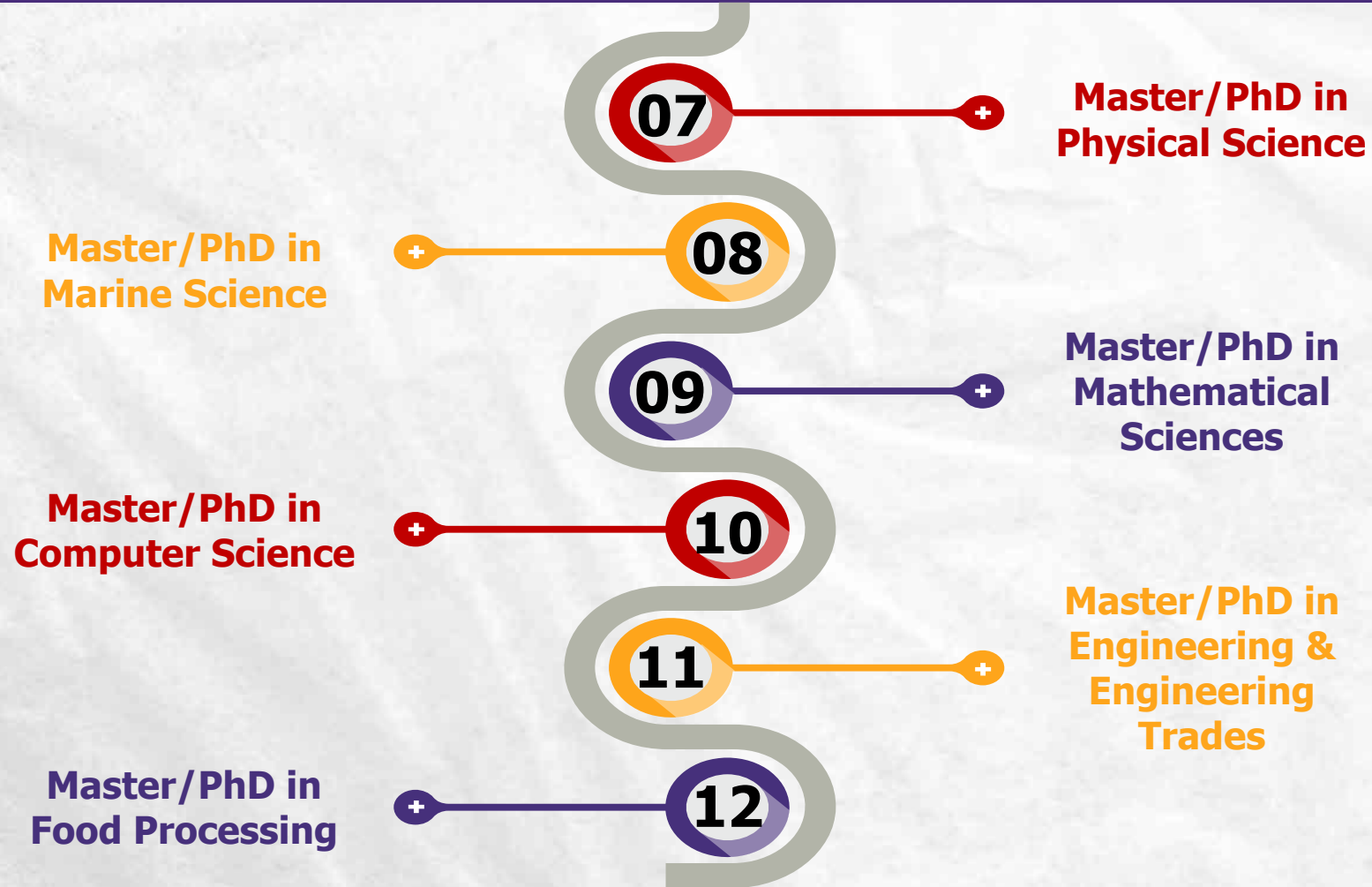
MASTER BY COURSEWORK



PROGRAMMES BY RESEARCH



PROGRAMMES BY RESEARCH



PROGRAMMES BY RESEARCH

**Master/PhD in
Crop & Livestock
Production**

13

**Master/PhD in
Environmental
Protection
Technology**

14

15

**Master/PhD in
Fisheries**

**Master/PhD in
Social Work &
Counselling**

16

17

**Master/PhD in
Maritime Studies**

**Master/PhD in
Accounting &
Taxation**

18



TUITION FEE RESEARCH – REFER [PPS WEBSITE](#)



TUITION FEES RESEARCH PROGRAMME



*Note: Applicable For Semester II 2019/2020 Session Intake Onwards

LOCAL	Ph.D	Ph.D	M.Sc	M.Sc
	SCIENCE	SOCIAL SCIENCE	SCIENCE	SOCIAL SCIENCE
	<ul style="list-style-type: none"> 1st Semester MYR 3,460.00 2nd & Subsequent Semesters MYR 1,130.00 / Semester 	<ul style="list-style-type: none"> 1st Semester MYR 2,260.00 2nd & Subsequent Semesters MYR 930.00 / Semester 	<ul style="list-style-type: none"> 1st Semester MYR 2,460.00 2nd & Subsequent Semesters MYR 1,130.00 / Semester 	<ul style="list-style-type: none"> 1st Semester MYR 1,760.00 2nd & Subsequent Semesters MYR 930.00 / Semester

INTERNATIONAL	Ph.D	Ph.D	M.Sc	M.Sc
	SCIENCE	SOCIAL SCIENCE	SCIENCE	SOCIAL SCIENCE
	<ul style="list-style-type: none"> 1st Semester MYR 4,380.00 2nd & Subsequent Semesters MYR 2,130.00 / Semester 	<ul style="list-style-type: none"> 1st Semester MYR 3,180.00 2nd & Subsequent Semesters MYR 1,930.00 / Semester 	<ul style="list-style-type: none"> 1st Semester MYR 3,380.00 2nd & Subsequent Semesters MYR 1,130.00 / Semester 	<ul style="list-style-type: none"> 1st Semester MYR 2,680.00 2nd & Subsequent Semesters MYR 1,930.00 / Semester



TUITION FEES RESEARCH PROGRAMME



*Note: Applicable For Students 2022/2023 Session Intake. CURRENCY EXCHANGE: 1USD = RM4.5 (Fixed Rate)

LOCAL	Ph.D	Ph.D	M.Sc	M.Sc
	SCIENCE	SOCIAL SCIENCE	SCIENCE	SOCIAL SCIENCE
	<ul style="list-style-type: none"> 1st Semester MYR 3,460.00 2nd & Subsequent Semesters MYR 1,130.00 / Semester 	<ul style="list-style-type: none"> 1st Semester MYR 2,260.00 2nd & Subsequent Semesters MYR 930.00 / Semester 	<ul style="list-style-type: none"> 1st Semester MYR 2,460.00 2nd & Subsequent Semesters MYR 1,130.00 / Semester 	<ul style="list-style-type: none"> 1st Semester MYR 1,760.00 2nd & Subsequent Semesters MYR 930.00 / Semester

INTERNATIONAL	Ph.D	Ph.D	M.Sc	M.Sc
	SCIENCE	SOCIAL SCIENCE	SCIENCE	SOCIAL SCIENCE
	<ul style="list-style-type: none"> 1st Semester USD 980.00 / MYR 4,410.00 2nd & Subsequent Semesters USD 480.00 / MYR 2,160.00 Semester 	<ul style="list-style-type: none"> 1st Semester USD 710.00 / MYR 3,195.00 2nd & Subsequent Semesters USD 430.00 / MYR 1,935.00 Semester 	<ul style="list-style-type: none"> 1st Semester USD 760.00 / MYR 3,420.00 2nd & Subsequent Semesters USD 480.00 / MYR 2,160.00 Semester 	<ul style="list-style-type: none"> 1st Semester USD 600.00 / MYR 2,700.00 2nd & Subsequent Semesters USD 430.00 / MYR 1,935.00 Semester



TUITION FEES RESEARCH PROGRAMME



*Note: Applicable For Students Semester I 2023/2024 Session Intake Onwards. CURRENCY EXCHANGE: 1USD = RM4.5 (Fixed Rate)

LOCAL	Ph.D	Ph.D	M.Sc	M.Sc
	SCIENCE	SOCIAL SCIENCE	SCIENCE	SOCIAL SCIENCE
	<ul style="list-style-type: none"> 1st Semester MYR 4,260.00 2nd & Subsequent Semesters MYR 1,930.00 / Semester 	<ul style="list-style-type: none"> 1st Semester MYR 2,760.00 2nd & Subsequent Semesters MYR 1,430.00 / Semester 	<ul style="list-style-type: none"> 1st Semester MYR 3,260.00 2nd & Subsequent Semesters MYR 1,930.00 / Semester 	<ul style="list-style-type: none"> 1st Semester MYR 2,260.00 2nd & Subsequent Semesters MYR 1,430.00 / Semester

INTERNATIONAL	Ph.D	Ph.D	M.Sc	M.Sc
	SCIENCE	SOCIAL SCIENCE	SCIENCE	SOCIAL SCIENCE
	<ul style="list-style-type: none"> 1st Semester USD 1,200.00 / MYR 5,400.00 2nd & Subsequent Semesters USD 700.00 / MYR 3,150.00 Semester 	<ul style="list-style-type: none"> 1st Semester USD 870.00 / MYR 3,915.00 2nd & Subsequent Semesters USD 590.00 / MYR 2,655.00 Semester 	<ul style="list-style-type: none"> 1st Semester USD 980.00 / MYR 4,410.00 2nd & Subsequent Semesters USD 700.00 / MYR 3,150.00 Semester 	<ul style="list-style-type: none"> 1st Semester USD 760.00 / MYR 3,420.00 2nd & Subsequent Semesters USD 590.00 / MYR 2,655.00 Semester



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November 2023

TUITION FEE COURSEWORK – REFER [PPS WEBSITE](#)

BIL	PROGRAM	JUMLAH KREDIT					JUMLAH YURAN
		JUMLAH	SEM 1	SEM 2	SEM 3	SEM 4	
1	SARJANA SAINS (AKUAKULTUR) <i>MASTER OF SCIENCE (AQUACULTURE)</i>	40	20	20			
	TEMPATAN (RM)		5,760.00	5,430.00			11,190.00
	ANTARABANGSA (USD)		2,230.00	2,160.00			4,390.00
2	SARJANA SAINS PERIKANAN TROPIKA <i>MASTER OF SCIENCE IN TROPICAL FISHERIES</i>	40	12	15	13		
	TEMPATAN (RM)		3,760.00	4,180.00	3,680.00		11,620.00
	ANTARABANGSA (USD)		1,150.00	1,260.00	1,140.00		3,550.00
3	SARJANA PENGURUSAN ZON PANTAI BERSEPADU <i>MASTER OF MANAGEMENT (INTEGRATED COASTAL ZONE)</i>	40	15	15	10		
	TEMPATAN (RM)		4,735.00	4,405.00	3,080.00		12,220.00
	ANTARABANGSA (USD)		1,780.00	1,710.00	1,260.00		4,750.00

BIL	PROGRAM	JUMLAH KREDIT					JUMLAH YURAN
		JUMLAH	SEM 1	SEM 2	SEM 3	SEM 4	
4	SARJANA PENTADBIRAN PERNIAGAAN <i>MASTER OF BUSINESS ADMINISTRATION</i>	44	15	16	13		
	TEMPATAN (RM)		4,960.00	4,910.00	4,070.00		13,940.00
	ANTARABANGSA (USD)		1,930.00	1,960.00	1,660.00		5,550.00
5	SARJANA KAUNSELING <i>MASTER OF COUNSELLING</i>	48	12	12	12	12	
	TEMPATAN (RM)		4,360.00	4,030.00	4,030.00	4,030.00	16,450.00
	ANTARABANGSA (USD)		1,510.00	1,440.00	1,440.00	1,440.00	5,830.00
6	SARJANA SAINS KOMPUTER <i>MASTER OF COMPUTER SCIENCE</i>	40	15	7	18		
	TEMPATAN (RM)		4,510.00	2,080.00	3,430.00		10,020.00
	ANTARABANGSA (USD)		1,780.00	970.00	1,420.00		4,170.00

TUITION FEE COURSEWORK – REFER [PPS WEBSITE](#)

BIL	PROGRAM	JUMLAH KREDIT					JUMLAH YURAN
		JUMLAH	SEM 1	SEM 2	SEM 3	SEM 4	
7	SARJANA TEKNOLOGI MAKLUMAT <i>MASTER OF INFORMATION TECHNOLOGY</i>		15	7	18		
	TEMPATAN (RM)	40	4,510.00	2,080.00	3,430.00		10,020.00
	ANTARABANGSA (USD)		1,780.00	970.00	1,420.00		4,170.00
8	SARJANA MATEMATIK <i>MASTER OF MATHEMATICS</i>		19	7	18		
	TEMPATAN (RM)	44	5,510.00	2,080.00	3,430.00		11,020.00
	ANTARABANGSA (USD)		2,140.00	970.00	1,420.00		4,530.00
9	SARJANA STATISTIK SAINS MARIN <i>MASTER OF STATISTICS IN MARINE SCIENCE</i>		19	7	18		
	TEMPATAN (RM)	44	5,510.00	2,080.00	3,430.00		11,020.00
	ANTARABANGSA (USD)		2,140.00	970.00	1,420.00		4,530.00

BIL	PROGRAM	JUMLAH KREDIT					JUMLAH KREDIT
		JUMLAH	SEM 1	SEM 2	SEM 3	SEM 4	
10	SARJANA (SAINS) FORENSIK ALAM SEKITAR <i>MASTERS OF SCIENCE (ENVIRONMENTAL FORENSICS)</i>		20	20			
	TEMPATAN (RM)	40	6,760.00	6,430.00			13,190.00
	ANTARABANGSA (USD)		2,430.00	2,360.00			4,790.00
11	SARJANA EKONOMI <i>MASTER OF ECONOMICS</i>		15	13	12		
	TEMPATAN (RM)	40	4,885.00	4,005.00	3,730.00		12,620.00
	ANTARABANGSA (USD)		1,780.00	1,530.00	1,440.00		4,750.00
12	SARJANA SAINS PENGAJIAN MARITIM <i>MASTER OF SCIENCE IN MARITIME STUDIES</i>		20	10	10		
	TEMPATAN (RM)	40	8,760.00	4,330.00	5,340.00		18,430.00
	ANTARABANGSA (USD)		2,600.00	1,410.00	1,660.00		5,670.00

TUITION FEE COURSEWORK – REFER [PPS WEBSITE](#)

BIL	PROGRAM	JUMLAH KREDIT					JUMLAH KREDIT
		JUMLAH	SEM 1	SEM 2	SEM 3	SEM 4	
13	DIPLOMA PASCASISWAZAH PENGAJIAN MARITIM <i>POSTGRADUATE DIPLOMA IN MARITIME STUDIES</i>	30	20	10			
	TEMPATAN (RM)		8,760.00	4,330.00			13,090.00
	ANTARABANGSA (USD)		2,600.00	1,410.00			4,010.00
14	POST GRADUATE CERTIFICATE IN MARITIME STUDIES <i>SIJIL PASCASISWAZAH PENGAJIAN MARITIM</i>	20	20				
	TEMPATAN (RM)		8,760.00				8,760.00
	ANTARABANGSA (USD)		2,600.00				2,600.00

CHECKLIST FOR GRADUATION REQUIREMENTS

PAY TUITION FEE/ REGISTER EVERY SEMESTER AND GRADUATE WITHIN THE PERMITTED PERIOD

01

Programme	Full Time		Part Time		Graduate on Time
	Number of Minimum semester	Number of Maximum semester	Number of Minimum semester	Number of Maximum semester	
PhD	4	10	6	14	4 years
Master	2	6	4	10	2 years

New student: have to register face to face



Current students: who failed to register will have his/her name dropped (GUGUR NAMA (GN)). Student may appeal within 1 year to continue study



Application to extend duration of study:

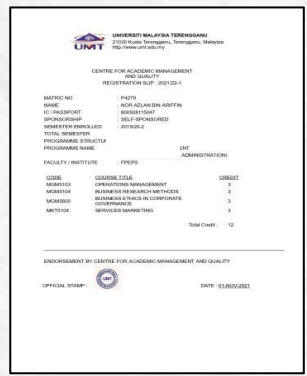
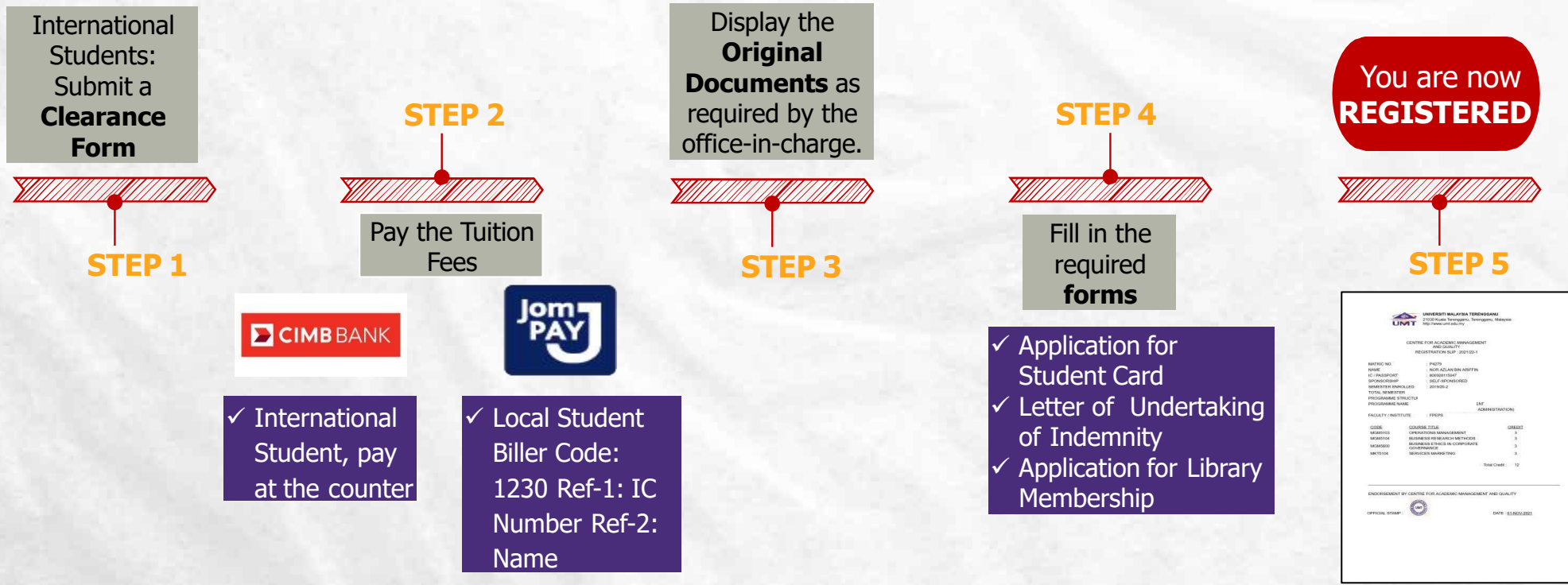
- Made to the faculty
- Made 3 months before the last semester ends.
- Not allowed to change the study to part time after maximum duration of study is reached



Approval:
JKPS of faculty/institute/centre (1 semester/application; maximum 2 applications)

PROCEDURE OF REGISTRATION FOR NEW STUDENTS AFTER CLEARANCE OF VISA – FACE TO FACE

International student obtain eVAL - medical check up at UMT Medical Centre (RM250) – pay insurance (RM505) – Submit clearance form to IC



***Note:**

- Mode of Registration for New Students is **Face-to-Face** at the **Postgraduate Management Centre**
- Failure to register within the stipulated date, please apply for deferment by emailing us at gs.admission@umt.edu.my





IMPORTANT DATES OF STUDENT ADMISSION FOR SEMESTER 1, 2023/2024

WEEK 04

Last Week
Registration for
Coursework
Students
Last Date: 04th Nov
2023

WEEK 10

Last Week
Registration for
Current **Research**
Students

ACADEMIC CALENDAR
(RESEARCH PROGRAMME SESSION 2023/2024)
POSTGRADUATE STUDIES
UNIVERSITI MALAYSIA TERENGGANU

RESEARCH PROGRAMME

ACTIVITIES	DATE	DURATION	NOTES
SEMESTER 1, 2023/2024 SESSION			
Registration	October 1, 2023	November 4, 2023	5 Weeks Deepavali 12 November 2023 (Sunday)
Deferment of Study	October 1, 2023	November 4, 2023	5 Weeks Christmas 25 December 2023 (Monday)
Research Activities	October 8, 2023	January 20, 2024	15 Weeks Isra and Mi'raj 8 February 2024 (Thursday)
Assessment of Research Progress Report	January 21, 2024	February 10, 2024	3 Weeks Chinese New Year 10 & 11 February 2024 (Saturday & Sunday)
SEMESTER 2, 2023/2024 SESSION			
Registration	March 10, 2024	April 13, 2024	5 Weeks Nuzul Al-Quran 28 Mac 2024 (Thursday)
Deferment of Study	March 10, 2024	April 13, 2024	5 Weeks Hari Raya Aidilfitri 10 - 11 April 2024 (Wednesday & Thursday)
Research Activities	March 17, 2024	June 29, 2024	15 Weeks Birthday of the Sultan of Terengganu 26 April 2024 (Friday) Labour day 1 May 2024 (Wednesday) The Yang di-Pertuan Agong's Birthday 3 June 2024 (Monday)
Assessment of Research Progress Report	June 30, 2024	July 20, 2024	3 Weeks Weeks day 5 June 2024 (Wednesday) Day of Arafat & Hari Raya Aidiladha 16 - 18 June 2024 (Sunday - Tuesday) Awal Muharram 7 July 2024 (Sunday)

ACADEMIC CALENDAR
(RESEARCH PROGRAMME SESSION 2023/2024)
POSTGRADUATE STUDIES
UNIVERSITI MALAYSIA TERENGGANU

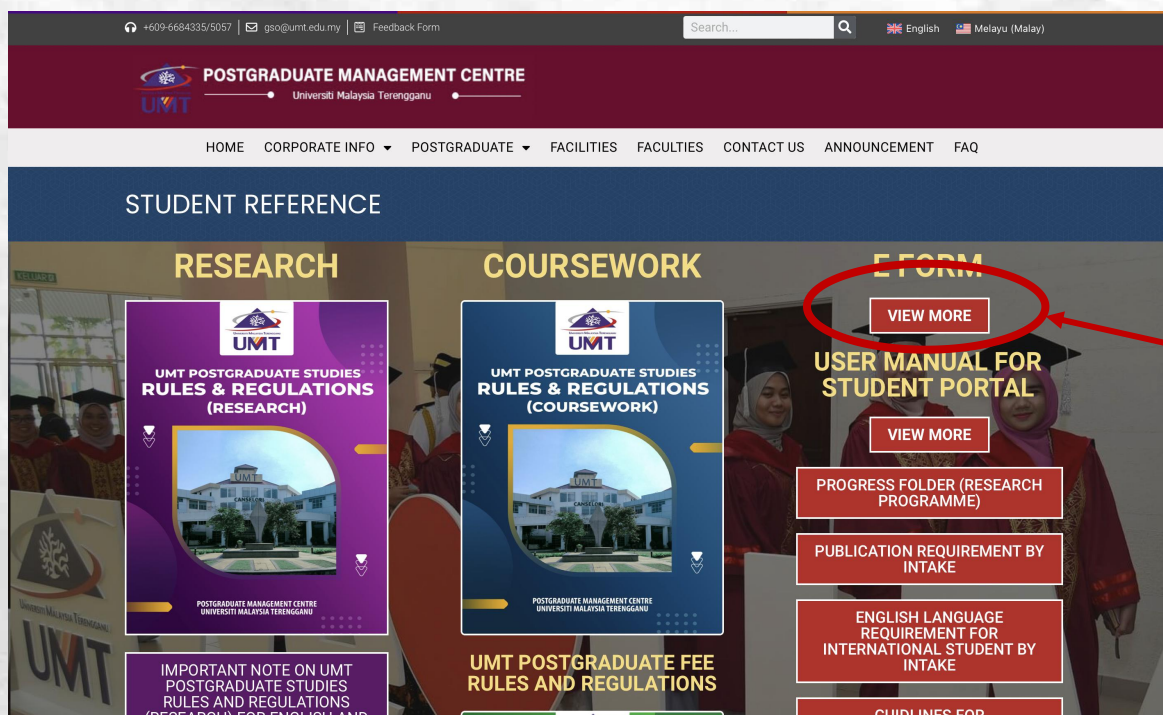
COURSEWORK PROGRAMME

ACTIVITIES	DATE	DURATION	NOTES
SEMESTER 1, 2023/2024 SESSION			
Registration	October 1, 2023	November 4, 2023	5 Weeks 12 November 2023 (Sunday)
Deferment of Study	October 1, 2023	November 4, 2023	5 Weeks Christmas 25 December 2023 (Monday)
Lectures	October 8, 2023	November 25, 2023	7 Weeks Isra and Mi'raj 8 February 2024 (Thursday)
Mid-Term Break	November 26, 2023	December 2, 2023	1 Week
Lectures	December 3, 2023	January 20, 2024	7 Weeks Chinese New Year 10 & 11 February 2024 (Saturday & Sunday)
Study Week	January 21, 2024	January 27, 2024	1 Week
Examination	January 28, 2024	February 10, 2024	2 Weeks Anniversary of the Coronation of the Sultan of Terengganu 4 March 2024 (Monday)
Semester Break	February 11, 2024	March 9, 2024	4 Weeks
SEMESTER 2, 2023/2024 SESSION			
Registration	March 10, 2024	April 13, 2024	5 Weeks Nuzul Al-Quran 28 March 2024 (Thursday)
Deferment of Study	March 10, 2024	April 13, 2024	5 Weeks Hari Raya Aidilfitri 10 - 11 April 2024 (Wednesday & Thursday)
Lectures	March 17, 2024	May 4, 2024	7 Weeks The Yang di-Pertuan Agong's Birthday 26 April 2024 (Friday)
Mid-Term Break	May 5, 2024	May 11, 2024	1 Week
Lectures	May 12, 2024	June 29, 2024	7 Weeks Labour day 1 May 2024 (Wednesday)
Study Week	June 30, 2024	July 6, 2024	1 Week
Examination	July 7, 2024	July 20, 2024	2 Weeks The Yang di-Pertuan Agong's Birthday 3 June 2024 (Monday) Weeks day 5 June 2024 (Wednesday) Day of Arafat & Hari Raya Aidiladha 16-18 June 2024 (Sunday - Tuesday) Awal Muharram 7 July 2024 (Sunday)
SHORT SEMESTER, 2023/2024 SESSION			
Registration	July 21, 2024	July 27, 2024	1 Week National Day 31 August 2024 (Saturday)
Lectures	July 28, 2024	September 21, 2024	8 Weeks
Examination	September 22, 2024	September 28, 2024	1 Week Malaysia Day 16 September 2024 (Monday)



REGISTRATION FOR CURRENT STUDENT

- **ONLINE (UNTIL WEEK 4)**
- **MANUAL (AFTER WEEK 4) WITH LATE REGISTRATION FINE OF RM100 (PAY THE TUITION FEE AND EMAIL PROOF OF PAYMENT TO gs.daftar@umt.edu.my)**



The screenshot shows the website interface for the Postgraduate Management Centre at UMT. The 'STUDENT REFERENCE' section is active, displaying three main categories: RESEARCH, COURSEWORK, and E FORM. Each category has a 'VIEW MORE' button. The 'E FORM' category is circled in red, and a red arrow points from this circle to the text in the callout box on the right. Below the 'E FORM' category, there are several links: 'VIEW MORE', 'PROGRESS FOLDER (RESEARCH PROGRAMME)', 'PUBLICATION REQUIREMENT BY INTAKE', 'ENGLISH LANGUAGE REQUIREMENT FOR INTERNATIONAL STUDENT BY INTAKE', and 'GUIDELINES FOR'.

- ✓ **The instruction for online registration is available at PPS website**
- ✓ **Check the instruction from PPS whether you should register online or manual (may vary based on student intake)**

WHY YOU CANNOT LOGIN MyNemo STUDENT ACCOUNT?

1. You do not remember your password

- Please contact Mr. Talib (ICT section) at talib@umt.edu.my
- Next, please follow the **User Manual for postgraduate student**

2. Your student status is not active or defer

(Your status in the last semester is either Drop Name (Gugur Nama, GN), or Fail and Terminated (Gagal Berhenti, GB))

- For GB status, you have to apply for new admission
- For GN, you have to appeal to PPS by emailing to gso@umt.edu.my (within 1 year of the date of GN letter). GN is allowed **once only** during your study. Your appeal will be approved by the faculty and PPS will email the approval letter. Then only you can register.
- You have to email to gs.daftar@umt.edu.my informing us that you want to register for the new semester. For international student, please attach the clearance form as well.
- PPS will change your status to active.

CHECKLIST FOR GRADUATION REQUIREMENTS

OBTAINED "SATISFACTORY" / MEMUASKAN GRADE (M) FOR PROGRESS REPORT EVERY SEMESTER

02

Student progress is evaluated at the end of each semester

•Minimum meetings with supervisor **is twice per semester**. Fill in the **Postgraduate Research Student Meeting Record** form as record

•Students with 2 consecutive **"NOT SATISFACTORY / TIDAK MEMUASKAN"** grade will have failed and terminated **(GB)** status

•It is recommended that the students prepare progress report to assist the progress evaluation by the main supervisor

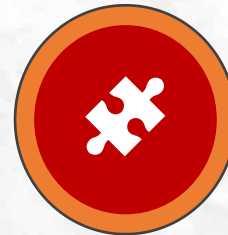
SEMESTER ACADEMIC STANDING

A REGISTERED STUDENT WILL BE GIVEN THE SEMESTER ACADEMIC STANDINGS BASED ON THE FOLLOWING STATUS



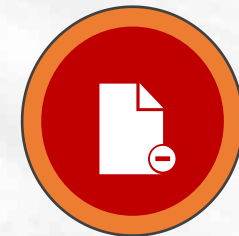
**Good Standing (KB)
(Kedudukan Baik)**

Achieves an 'M' grade for current semester



Probation (KS) (Kelulusan Bersyarat)

Achieves a 'TM' grade for current semester.



**Termination of Candidature (GB)
(Gagal dan Diberhentikan)**

Receives a 'TM' grade for two semesters or failed to complete his/her study within the maximum duration and subject to clause 7.4



Completed (TP) (Tamat Pengajian)

Completed when he/she has fulfilled all requirements as specified by the programme (UMT Postgraduate Committee's approval)



Graduated (GD) (Bergraduat)

Senate's approval

CHECKLIST FOR GRADUATION REQUIREMENTS

PASSED RESEARCH METHODOLOGY COURSE (1st year)

03

1 credit hour: offered every semester

- 1. **PPS5011** Research Methodology in Technology and Engineering
- 2. **PPS5021** Research Methodology in Social Science
- 3. **PPS5031** Research Methodology in Applied Science
- **INOS student** is encouraged to take audit course **OCN 5003** Tropical Oceanography starting Semester 2 Academic Session 2020/21

Exemption

- Approval from Postgraduate Studies Committee (JKPS) of faculty/institute/centre
- Students has taken relevant equivalent course during **master's degree**

Registration

- Online Registration (until Week 4)
- Lecture: Week 6 to Week 14 (**9 weeks**)

Assessment

- Lecture Attendance 70%
- Proposal Writing 20%
- Oral Presentation 10%
- **Passing mark = 55%**
- **Students will obtain AU grade in the results if the students passed the course**

CHECK YOUR RESULT (RESEARCH METHODOLOGY COURSE & PROGRESS EVALUATION) AT KURSUS DAFTAR IN MyNEMO

« KURSUS DAFTAR									
NO.	SEMESTER	KURSUS	TARAF KURSUS	TARIKH DAFTAR	KEPUTUSAN	MARKAH	GRED	TARIKH KEPUTUSAN	PADAM
1	2020/21-1	PPS5021 (KAEDAH PENYELIDIKAN DALAM SAINS SOSIAL)	KURSUS AUDIT	03-MAR-2021			AU		<input type="checkbox"/>
2	2020/21-1	PGN5999 (TESIS MASTER)	KURSUS WAJIB				M		<input type="checkbox"/>
3	2020/21-2	PGN5999 (TESIS MASTER)	KURSUS WAJIB				M		<input type="checkbox"/>
4	2021/22-1	PGN5999 (TESIS MASTER)	KURSUS WAJIB				M		<input type="checkbox"/>
5	2021/22-2	PGN5999 (TESIS MASTER)	KURSUS WAJIB				M		<input type="checkbox"/>
									+ Kemaskini

CHECKLIST FOR GRADUATION REQUIREMENTS

PASSED CANDIDATURE ASSESSMENT (CA)

04

All postgraduate candidates are required to complete their Candidature Assessment by fulfilling the following requirements

1. Must be completed **within four (4) semesters for PhD OR two (2) semesters for Master**

2. External assessor(s) can be appointed if there is no related expertise from the faculty/institute/centre

3. All candidates must undergo Candidature Assessment conducted by the faculty/institute/centre

4. Present proposal in a Candidature Defense session. The members of the committee comprise two (2) assessors for Master or PhD. **Maximum of 3 attempts** are allowed.

CHECKLIST FOR GRADUATION REQUIREMENTS

PUBLICATION REQUIREMENTS (COMPULSORY STARTING SEMESTER 2 ACADEMIC SESSION 2016/17 INTAKE)

05

Publication requirement (**journal article**) may varies with student intake

All publication will be verified by UMT Library (PSNZ)

Published journal articles (supervisor key in publication details in e-profile and will be verified by PSNZ)

Accepted journal article (fill in Verification of Accepted Journal Article form and email to PSNZ for verification of journal)

CHECKLIST FOR GRADUATION REQUIREMENTS

PUBLICATION REQUIREMENT STARTING SEMESTER 2 SESSION 2022/23

Students are required to fulfil the following publication requirements before graduating:

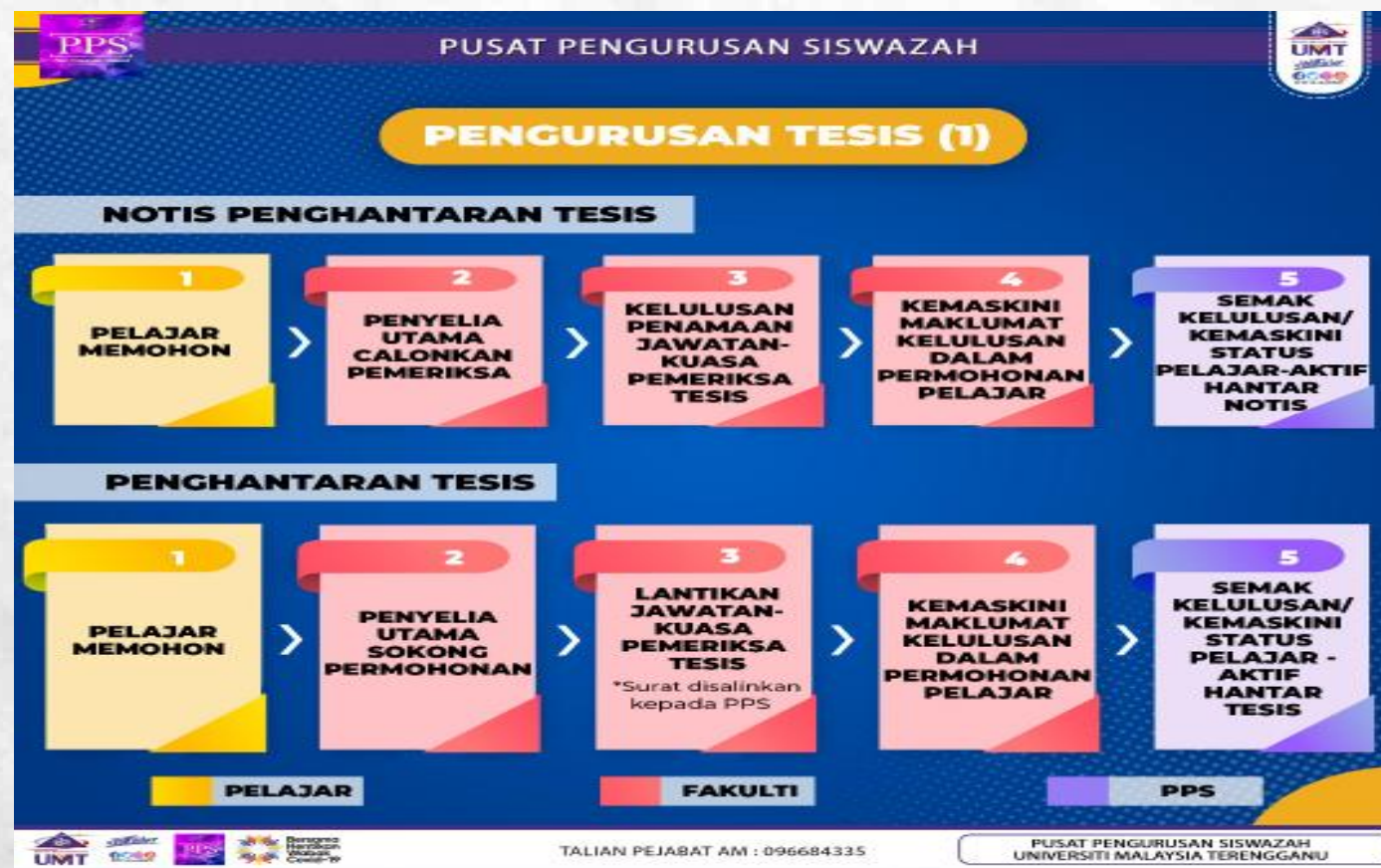
Programme	Requirements of Publication	Type of Publication
PhD	At least:- 2 journal articles (accepted)	Clarivate Analytics Web of Science (CA-WoS) /Scopus Journal
Master	At least:- 1 journal article (accepted)	Clarivate Analytics Web of Science (CA-WoS) /Scopus /MyCite Journal

- The publication must be related to the student's research in his/her submitted thesis.
- Only publications made during the candidature can be accepted.
- Publications must be published with the supervisor(s).
- One of the supervisors shall act as the corresponding author.
- The student must be the main author (first author).
- In the event of two or more students co-author in a journal article, only one student is allowed to use this article to fulfil his/her graduation requirement.

CHECKLIST FOR GRADUATION REQUIREMENTS

SUBMIT THESIS, PASSED VICA VOCE AND SUBMIT CORRECTED THESIS

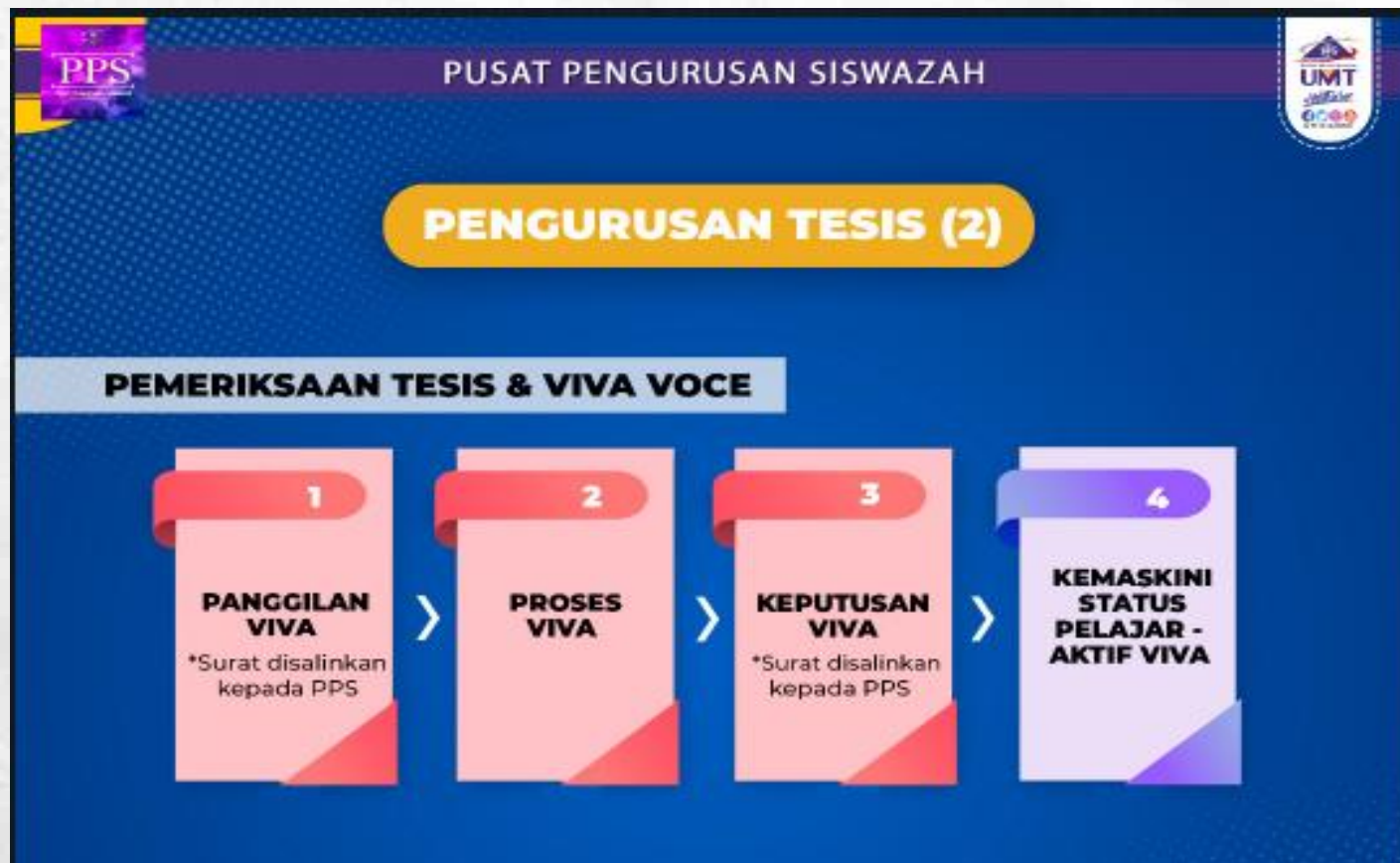
06



CHECKLIST FOR GRADUATION REQUIREMENTS

SUBMIT THESIS, PASSED VIVA VOCE AND SUBMIT CORRECTED THESIS

06



IMPORTANT POINTS IN POSTGRADUATE RULES & REGULATIONS (BY RESEARCH) 2023

REGISTRATION, DEFERMENT & WITHDRAWAL

Registration of New Students

Recommended until Week 10; no penalty for late registration

1

Registration of Continuing Students

Until Week 4 (after week 4- a late registration penalty of RM100 will be charged)

2

Deferment of Study

- Application: Until Week 4 (**No tuition fees charged**)
- Application After Week 4: **Tuition fees will be charged**
- Maximum Period of Deferment: Total of 2 Semesters
- **Not Allowed:** Students submitted PG-11 (Notice for Thesis Submission)
- Approval: Postgraduate Committee of faculty/institute/centre

3

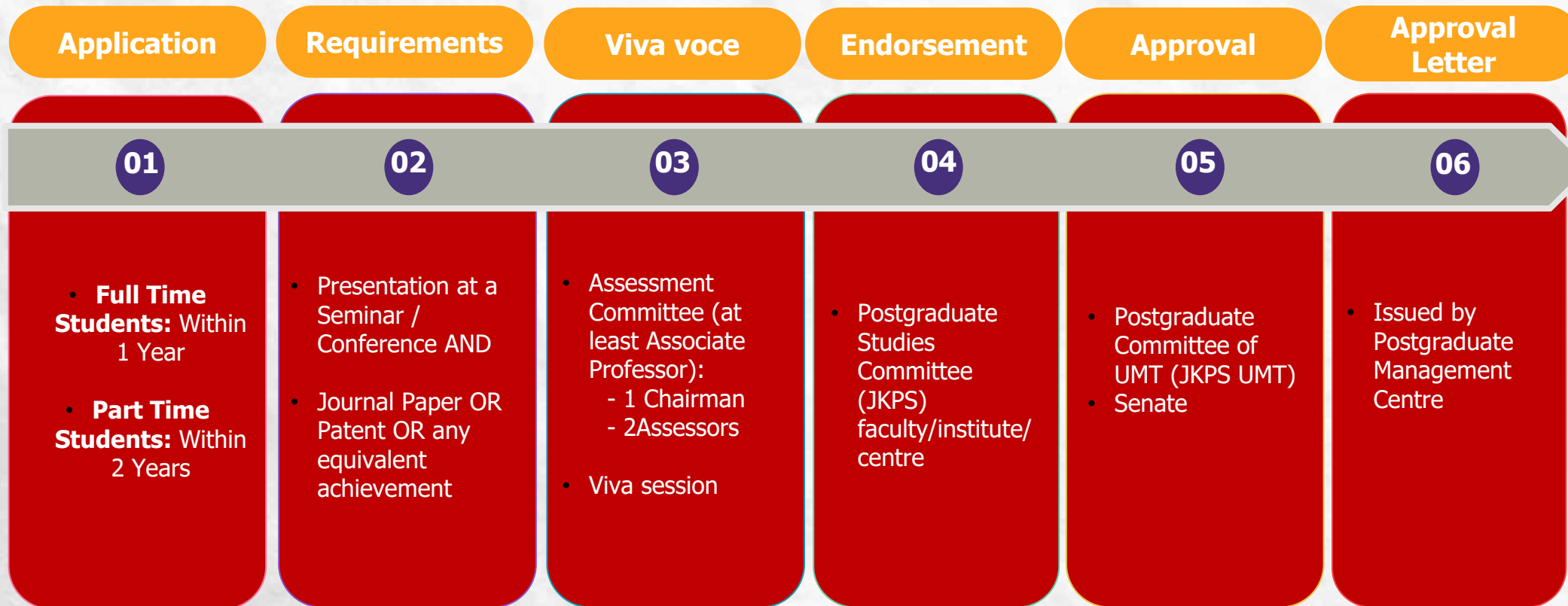
Application for Reinstatement (for GN case)

- Application: Made to Postgraduate Management Centre
- Lapsed time for Application: Not more than 1 year after termination/withdrawal letter was issued
- Approval: Postgraduate Committee of faculty/institute/centre
- Application after 1 Year Period: Apply new admission

4

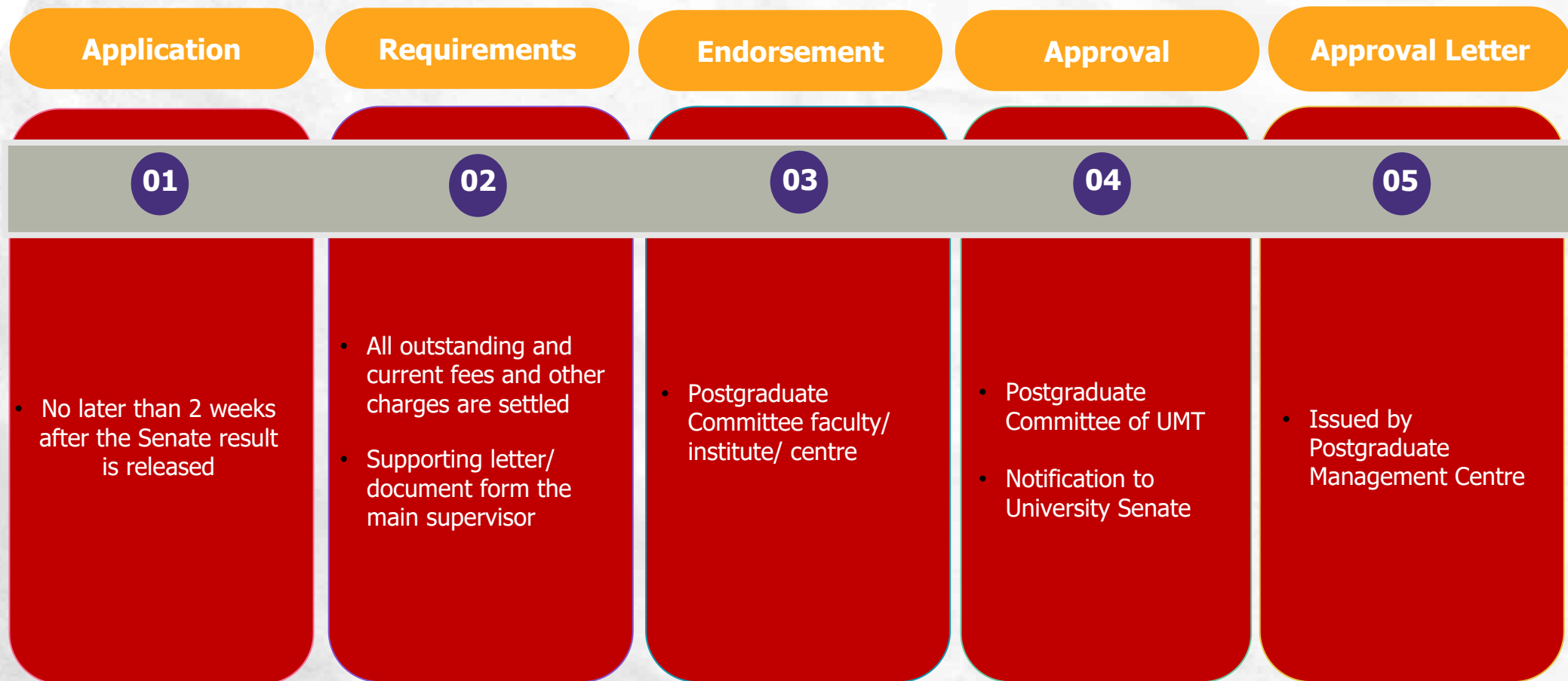
IMPORTANT POINTS IN POSTGRADUATE RULES & REGULATIONS (BY RESEARCH) 2023

CONVERSION (MASTER TO PhD) Approval by senate must be obtained within semester 2 (full-time) or semester 4 (part-time)



IMPORTANT POINTS IN POSTGRADUATE RULES & REGULATIONS (BY RESEARCH) 2023

APPEAL AGAINST TERMINATION (GB)



IMPORTANT POINTS IN POSTGRADUATE RULES & REGULATIONS (BY RESEARCH) 2023

THESIS EXAMINATION

Thesis Examination Committee

- **Chairman:**
 - ✓ PhD: at least **Associate Professor with PhD**
 - ✓ Master: at least **Senior lecturer**
 - ✓ Within the same or across faculty/institute/centre
- **Examiner(s):**
 - ✓ PhD: **3 (1 internal – UMT, 2 external – 1 from Malaysia, 1 from abroad)**
 - ✓ Master: **2 (1 internal – UMT, 1 external)**
- Secretary: academic staff

Requirement & Role(s) of Chairman

- Requirement (s) of Chairman:
 - ✓ Experienced in supervising postgraduate students to completion
 - ✓ Has assessed postgraduate student's thesis
- Role(s) of Chairman:
 - ✓ **Moderating a viva**
 - ✓ **Ascertaining that the thesis fulfils the rules and regulations as stipulated in the Guide to the Preparation of Thesis**
 - ✓ **Submitting a complete report of the viva.**

Requirement of Examiners

- Examiners must have the academic qualification of no less than the supervisor.
- **Examiners should be appointed from those with established reputation in the subject area of the thesis**
- PhD: at least Associate Professor
- Master: at least Senior Lecturer with PhD.
- Examiner without the required qualification: **Approval by the Senate.**
- Examiners have supervised candidates at the relevant level.
- **Postgraduate Committee of faculty/institute/centre has the final say on the appointment of thesis examiners**

Viva voce

- Convening the Viva:
 - ✓ The faculty/ institute/ centre has received the reports from the examiners
 - ✓ The chairman and at least 1 examiner (Master) and at least 2 examiners (PhD) are present.
 - ✓ The supervisors may attend the viva as an observer.

IMPORTANT POINTS IN POSTGRADUATE RULES & REGULATIONS (BY RESEARCH) 2023

DECISION ON THESIS

Accepted with Minor Correction

- A maximum period of 6 months
- Extension period: **not exceed 3 months**
- Approval: Postgraduate Committee faculty/ institute/ centre

Accepted with Major Correction

- A maximum period of 12 months
- Extension period: **not exceed 3 months**
- Approval: Postgraduate Committee faculty/ institute/ centre

Rejected

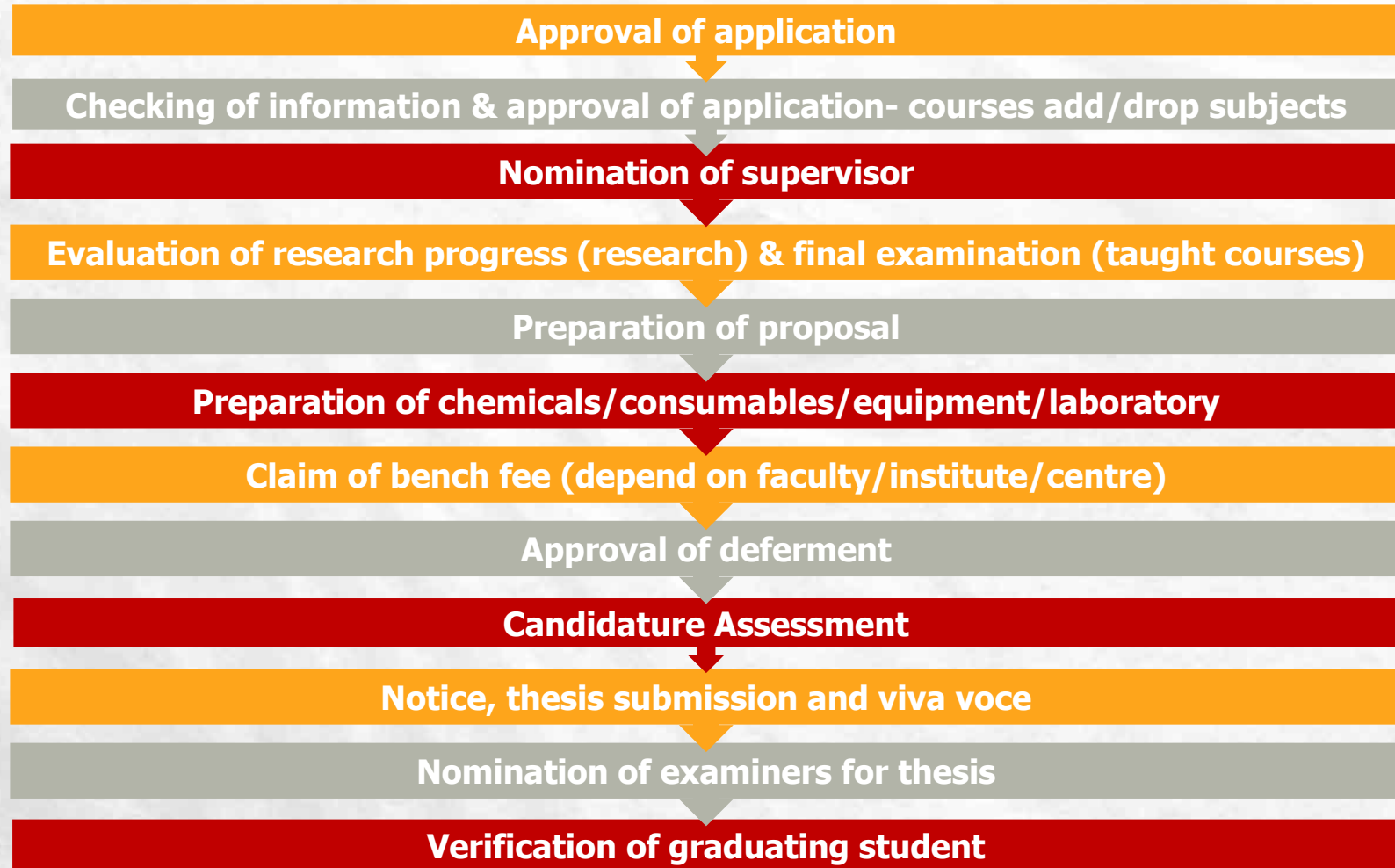
- Thesis does not meet the requirement of a PhD/Master degree **OR**
- Candidate failed to submit the corrected thesis within the stipulated time

Appeal on Thesis Examination Result

- Candidate is allowed to appeal to the faculty/institute/centre within 2 weeks after receiving results from the faculty (For **Rejected** case only).

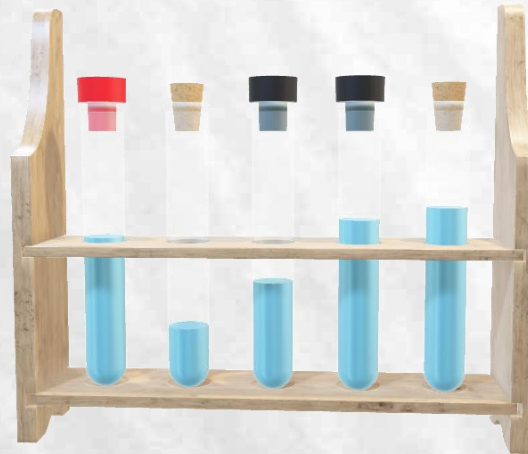
RESPONSIBILITY OF SUPERVISOR/FACULTY/INSTITUTE/CENTRE TO FACILITATE THE STUDENT

Student may refer to **Postgraduate Student Personal Progress Folder** (Research student) for detailed checklist or suggestion of progress throughout the study to graduate on time





FACILITIES @ CENTRAL LABORATORY, UMT



Terokaan Seluas Lautan, Demi Kelestarian Sejagat | Ocean of Discoveries for Global Sustainability

November 2023

LABORATORY FACILITIES

PUSAT PERKHIDMATAN PENYELIDIKAN & LAPANGAN
LIST OF INSTRUMENTS

ION CHROMATOGRAPHY

BRAND : HPL COMPACT ION CHROMATOGRAPHY PROFESSIONAL

FUNCTION:
Application of cation & anion column for analysing & identification of cation & anion species in liquid samples.

GCMS

BRAND : GCMS QP-2010 ULTRA SHIMADZU

FUNCTION:
Sample profiling based on library search for unknown sample as well as quantitative analysis of a wide range concentration.

GC-FID

BRAND : GC-FID 2010, SHIMADZU

FUNCTION:
Measuring concentration of organic compound. Used specifically for hydrocarbon & fatty acid methyl ester.

ANALYTICAL & SEMI PREP HPLC

BRAND : SHIMADZU ANALYTICAL HPLC SHIMADZU PROMINENCE SEMI PREP SYSTEM

FUNCTION:
To separate, identify & quantify components dissolved in a liquid solvent with a high analytical resolution. Functions for target components. Analysis : Pharmaceuticals, chemistry, environment & Food product.

SURFACE AREA & POROSITY ANALYZER

BRAND : MICROMERITICS / ASAP 2020

FUNCTION:
Determination of surface area & pore sizes. Analysis : Catalysts & activated carbon.

THERMOGRAVIMETRIC ANALYZER

BRAND : METTLER TOLEDO TGA DSC-1

FUNCTION:
To measure the change in physical & chemical properties of materials through analysis of characteristic decomposition patterns.

TOTAL ORGANIC CARBON & NITROGEN ANALYZER

BRAND : TOC & SSAN 5000A, SHIMADZU

FUNCTION:
Measurement of total carbon & nitrogen content in water, directly dissolved & suspended.

CHEMICAL DISCRETE ANALYZER

BRAND : SMART CHEM SMART CHEM200

FUNCTION:
Water quality & related testing analysis. Analysis : drinking water, waste water, environmental samples.

SCANNING ELECTRON MICROSCOPE

BRAND : JEOL JSM-6610LV

FUNCTION:
Description & Analysis of:
Material Structures
Material Features
Surface Defects
Surface Contamination
Damage Analysis
Material Defects
Fracture Damage
Corrosion Damage

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09-668 3559

PUSAT PERKHIDMATAN PENYELIDIKAN & LAPANGAN
LIST OF INSTRUMENTS

PH METER

BRAND: METROHM

FUNCTION:
Used to measure hydrogen-ion activity (acidity or alkalinity) in solution.

GLASS OVEN KUGELROHR

BRAND: BUCHHIB-585

FUNCTION:
Used for distillation, sublimation, freeze-drying or drying of small samples.

DINO EYE

BRAND: AM4815ZT DINO-LITE EDGE

FUNCTION:
To observe fresh sample direct from its original location & providing a clear image & the sample.

WATERBATH

BRAND: MEMMERT

FUNCTION:
Designed to be reliable and compact, capable of incubating samples at a constant temperature from Ambient +5°C to 99°C.

ULTRASONIC BATH

BRAND: ELMA

FUNCTION:
To agitate liquid samples. The agitation produces high forces on contaminants adhering to substrates like metals, plastics, glass, rubber. To break up cell.

GRINDER

BRAND: CUSTOM MADE

FUNCTION:
Machine tools used for grinding hard samples to powder form.

WARING BLENDER

BRAND: LAB BLENDER

FUNCTION:
Allows for mixing, stirring, blending, or homogenizing of laboratory samples.

WATER DISTILLER

BRAND: FAVORIT WCS4L

FUNCTION:
To produce distilled water.

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COMPOUND MICROSCOPE

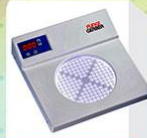
FUNCTION:
Used for viewing samples at high magnification, which is achieved by the combined effect of two sets of lenses: ocular and objective lenses. Synonym with microbial observation.

BRAND: OLYMPUS/ CX 22 - LED

DISSECTING MICROSCOPE

FUNCTION:
Designed for low magnification observation of a sample, typically using light reflected from the surface of an object rather than transmitted through it. Normally sample of macro (big size), use for dissection.

BRAND: CARL ZEISS



COLONY COUNTER

FUNCTION:
Used to estimate a liquid culture's density of microorganisms by counting individual colonies on an agar plate, slide, mini gel, or Petri dish.

BRAND: FUNKE GERBER

BACTI CINCINATOR

FUNCTION:
Sterilizes inoculating loops, needles and culture tube mouths safely and conveniently, preventing infectious splatter and cross-contamination.

BRAND: BACTI CINCINATOR IV



MICROBALANCE

FUNCTION:
An instrument capable of making precise measurements of weight of sample of relatively small mass: of the order of a million parts of a gram.

BRAND: A&D

ANALYTICAL BALANCE

FUNCTION:
To measure small mass from gram to milligram range.

BRAND: SARTORIUS AX224



HOT PLATE

FUNCTION:
Used to heat glassware or its contents and allowing the heated liquid to be stirred automatically.

BRAND: WISD - MSH 20D

HEATING MANTLE

FUNCTION:
Used to apply heat to containers, as an alternative to other forms of heated bath.

BRAND: MTOOLS ALO728



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ULTRALOW TEMPERATURE FREEZER (-80C)

BRAND: SANYO-PANASONIC /MDF-US5V (V.I.P) C/W CO2 BACKUP



LOW TEMPERATURE FREEZER (-20C)

BRAND: LIEBHERR, AUSTRALIA



REFRIGERATOR

BRAND: SHARP/ SJPT591MSL



GENERAL CHILLER

BRAND: JUSCOOL



ICE MAKER

BRAND: HOSHIZAKI



CHEST FREEZER

BRAND: ELBA/ EF8000



MILLI-Q WATER PURIFICATION SYSTEM

BRAND: MERCK MILIQ



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LIGHT METER DATALOGGER

BRAND: LI-1400/LICOR

FUNCTION:
To measure the current output of LICOR light sensors, as well as voltage sensors and sensors with a pulsed output, such as a tipping bucket rain gauge.



SECCHI DISC

BRAND: SECCHI DISC

FUNCTION:
Used to measure water transparency or turbidity in bodies of water.



MULTI PARAMETER

BRAND: EUTECH / PC700

FUNCTION:
Used to measure pH, ORP, conductivity and temperature with a single meter.



YSI MULTI PARAMETER

BRAND: YSI PROFESSIONAL PLUS

FUNCTION:
Used to measure a variety of combinations for dissolved oxygen, conductivity, specific conductance, salinity, resistivity, TDS, pH, ORP, pH/ORP combination, ammonium, nitrate, chloride and temperature.



VAN DORN SAMPLER

BRAND: WILDG

FUNCTION:
Used for water quality research, monitoring water quality and water sampling.



NISKIN WATER SAMPLER

BRAND: KC DENMARK

FUNCTION:
Used for water quality research, monitoring water quality and water sampling.



PLANETARY BALL MILL

BRAND: PM 100 RETSCH

FUNCTION:
Utilized for applications requiring a high level of fineness. The mill's centrifugal forces result in high pulverization energy and thus reduce the time taken for grinding operation.



MICROWAVE DIGESTER

BRAND: MILESTONE/ETHOS ONE

FUNCTION:
Used to dissolve heavy metals in the presence of organic molecules prior to analysis by inductively coupled plasma, atomic absorption, or atomic.



TENSILE TESTING MACHINE

BRAND: TINIUS OLSEN

FUNCTION:
Used to test the tensile strength and compressive strength of materials.



MICROPLATE READER

BRAND: THERMO SCIENTIFIC

FUNCTION:
To measure absorbance in the 200-1000 nm wavelength range from appropriate 96- or 384-wellplates with and without lids and various types of cuvettes. Special function can read at least 3ml of sample.



AUTOCLAVE

BRAND: HIRAYAMA

FUNCTION:
Used to sterilize substances that can withstand high temperature and/or high pressure steam include tools of glass, ceramic, metal or rubber, water, media.



ROTARY EVAPORATOR

BRAND: BUCHI

FUNCTION:
Used in chemical laboratories for the efficient and gentle removal of solvents from samples by evaporation.



UV-VIS SPECTROPHOTOMETER

BRAND: SHIMADZU/UV 1800

FUNCTION:
Used for the quantitative determination of different analytes, such as transition metal ions, highly conjugated organic compounds, and biological macromolecules. Can used for kinetic measurement.



HOMOGENIZER

BRAND: GLASCOL UK

FUNCTION:
Used for the homogenization of various types of sample such as tissue, plant, food, soil, and many others.



BIOSAFETY CABINET

BRAND: ESCO/AHC2-4E8

FUNCTION:
Provides protection to the user, the experimental material and the environment. Use in plant cell culture, microbiology etc.



LAMINAR FLOW

BRAND: ESCO/AHC-4D1

FUNCTION:
Is a carefully enclosed bench designed to prevent contamination of semiconductor wafers, biological samples, or any particle sensitive materials. Normally used in media preparation, plant cell culture etc.



LAB DRYER

BRAND: PROTECH/FOD1000

FUNCTION:
Ideal for drying glasswares.

PUSAT PERKHIDMATAN PENYELIDIKAN & LAPANGAN
LIST OF INSTRUMENTS



INCUBATOR

BRAND: THERMO/
HERATHERM IGS 750

FUNCTION:

Heratherm incubators are laboratory devices for preparing and cultivating cell and tissue cultures.



CO2 INCUBATOR

BRAND: ESCO/ CCL-170B-8

FUNCTION:

Used to culture cells to provide it with the optimum temperature, moisture (sterile environment) and to maintain optimum pH.



INCUCELL INCUBATOR

BRAND: MMM/MC00724

FUNCTION:

Suitable for safe treatment of microbiological cultures. The INCUCELL line produces no noise and provides a very soft air flow within the chamber. Circle stage of microb growth.



REFRIGERATED INCUBATOR

BRAND: NAMYFT90E

FUNCTION:

Used for incubation of microorganism cultures, preservation of samples, determination of enzymatic activities and all use. Requiring required and constant temperatures.



OVEN

BRAND: MEMMERT

FUNCTION:

Drying, burning-in, ageing, vulcanising, curing, burn-in testing, conditioning, heated storage.



HIGH TEMPERATURE OVEN

BRAND: CARBOLITE
LHT5/120/301

FUNCTION:

Suitable for removing organic contamination from glass and metal components, curing, heat shrinkage and testing of electronics materials. Temperature can reach 500C.



FURNACE

BRAND: CARBOLITE /
ELF23B/301

FUNCTION:

To provide heat for a process or can serve as reactor which provides heats of reaction. Temperature can reach 1200C.



MICROWAVE

BRAND: PANASONIC

FUNCTION:

Used for general processing to heating laboratory samples, preparing solutions, curing and heating samples or products. Dissolve agarose solution.

PUSAT PERKHIDMATAN PENYELIDIKAN & LAPANGAN
LIST OF INSTRUMENTS



REFRIGERATED CENTRIFUGE

BRAND: HITACHI/CR-22N

FUNCTION:

A machine with a rapidly rotating container that applies centrifugal force to its contents, typically to separate fluids of different densities or liquids from solids, up to 1L
Max RPM: 1L - 9000rpm
50ml - 15000rpm.



REFRIGERATED MICROCENTRIFUGE

BRAND: MIKROFUGE, BECKMAN
COULTER BENCH TOP

FUNCTION:

Nucleic acid and protein preparation, pelleting extractions, purifications, concentrations, phase separations & receptor binding, rapid sedimentation of protein precipitates, particulates & cell debris. For 1.5ml microcentrifuge.



MINI CENTRIFUGE

BRAND: GUSTO

FUNCTION:

Ideal for protocols calling for fast spins with a higher RCF requirement. Ideal for PCR®, microfilter cell separation, clinical & diagnostic applications, & HPLC protocols. Fix microcentrifuge 1.5ml.



UV TRANSLUMINATOR

BRAND: ENDURO

FUNCTION:

To view DNA/ RNA that has been separated by electrophoresis. Designed for rugged use and durability with exceptional performance.



VORTEX MIXER

BRAND: VELP SCIENTIFIC ZX3

FUNCTION:

To mix liquid in small vials, suspend cells and mix reagent of an assay.



STACKABLE SHAKER

BRAND: THERMO SCIENTIFIC/MAXQ8000

FUNCTION:

Used for a variety of biological cell growth. Applications include microbiology, bacteriology and cell, plant cell and tissue cultures.



UV VIEWER CABINET

BRAND: CC81 CABINET WITH ENF 280C

FUNCTION:

To view and take photographic images (film or digital) of electrophoretically separated nucleic acids.



ORBITAL SHAKER

BRAND: STUART/SSL1+SSL1/10

FUNCTION:

A flexible shaker that will mix samples in tubes, vials, and microplates by shaking the sample. With orbital rotation/shake function.

CRYOSTAT

BRAND: LEICA/CM1950

FUNCTION:
Used to preserve frozen tissue samples while a microtome, an extremely sharp cutting instrument mounted inside cryostats, slices the tissue into pieces thin enough to be observed under a microscope. Specially can use raw sample without involving tissue processor.



SKIN ANALYZER

BRAND: CORTEC TECH/DERMALAB COMBO

FUNCTION:
A complete and powerful multiparameter skin analysis system operated by a probe connected to main unit. This unit can be freely configured with parameters: ultrasound, TEWL, elasticity, hydration, sebum & skin colour.



GEL DOC

BRAND: BIO-RAD/170-8195

FUNCTION:
Used in molecular biology laboratories for the imaging and documentation of nucleic acid and protein suspended within polyacrylamide or agarose gels.

MICROMANIPULATOR

BRAND: EPPENDORF/OLYMPUS

FUNCTION:
• Used for embryology, GMO, fishery transfer sample in micro ML unit.
• Observation, capture image/video
• Fluorescence mode
• Scaling function for image capture



FREEZE DRYER

BRAND: LABCONCO/FREEZON 18L

FUNCTION:
Freeze drying is the removal of ice or other frozen solvents from a material through the process of sublimation and the removal of bound water molecules through the process of desorption.



FREEZE DRYER

BRAND: VIRTIS/ADV PLUS CABINET FREEZE DRYER

FUNCTION:
Freeze drying is the removal of ice or other frozen solvents from a material through the process of sublimation and the removal of bound water molecules through the process of desorption.



FLUORESCENCE SPECTROMETER

BRAND: PERKIN ELMERS/LS55

FUNCTION:
Used for fluorescence, phosphorescence, bioluminescence, chemiluminescence
Normally for bioscience & environmental application.

FORCE TENSIOMETER

BRAND: BIOLIN SCIENTIFIC/SIGMA 701

FUNCTION:
To determine surface tension, interfacial tension, critical micelle concentration, dynamic contact angle, surface free energy, wettability, cleanliness, sedimentation & density. Used for control, development & modification of liquid & solid surface.



MICROTOME

BRAND: LEICA/RM225

FUNCTION:
Used to cut extremely thin slices of material, known as sections. Used in microscopy, allowing for the preparation of samples for observation under transmitted light or electron radiation. Mainly use in histology field.



EMBEDDING MODULE

BRAND: THERMO SCIENTIFIC

FUNCTION:
The process in which the tissues or the specimens are enclosed in a mass of the embedding medium (paraffin wax) using a mould before using microtome.



SDS PAGE

BRAND: BIO-RAD

FUNCTION:
An electrophoresis method that allows protein separation by molecular weight in an electric field.

DENSITOMETER

BRAND: BIO-RAD

FUNCTION:
Transmissive and reflective imaging using red green and blue CCD technology to scan chromogenic samples at the optimal detection wavelength.



ELECTROPHORESIS SET

BRAND: MINIPLUS SUB110/SERVA

FUNCTION:
Gel electrophoresis is a method for separation & analysis of DNA and RNA & their fragments, based on their size and charge.



PCR MACHINE

BRAND: VERIT96 WELL/0.2ML

FUNCTION:
To amplify segments of dna via pcr, restriction enzyme digestion & rapid diagnostic.



2D IEF

BRAND: BIO-RAD

FUNCTION:
Designed for isoelectric focusing (left) protein in immobilized ph gradient strips for 2D electrophoresis.

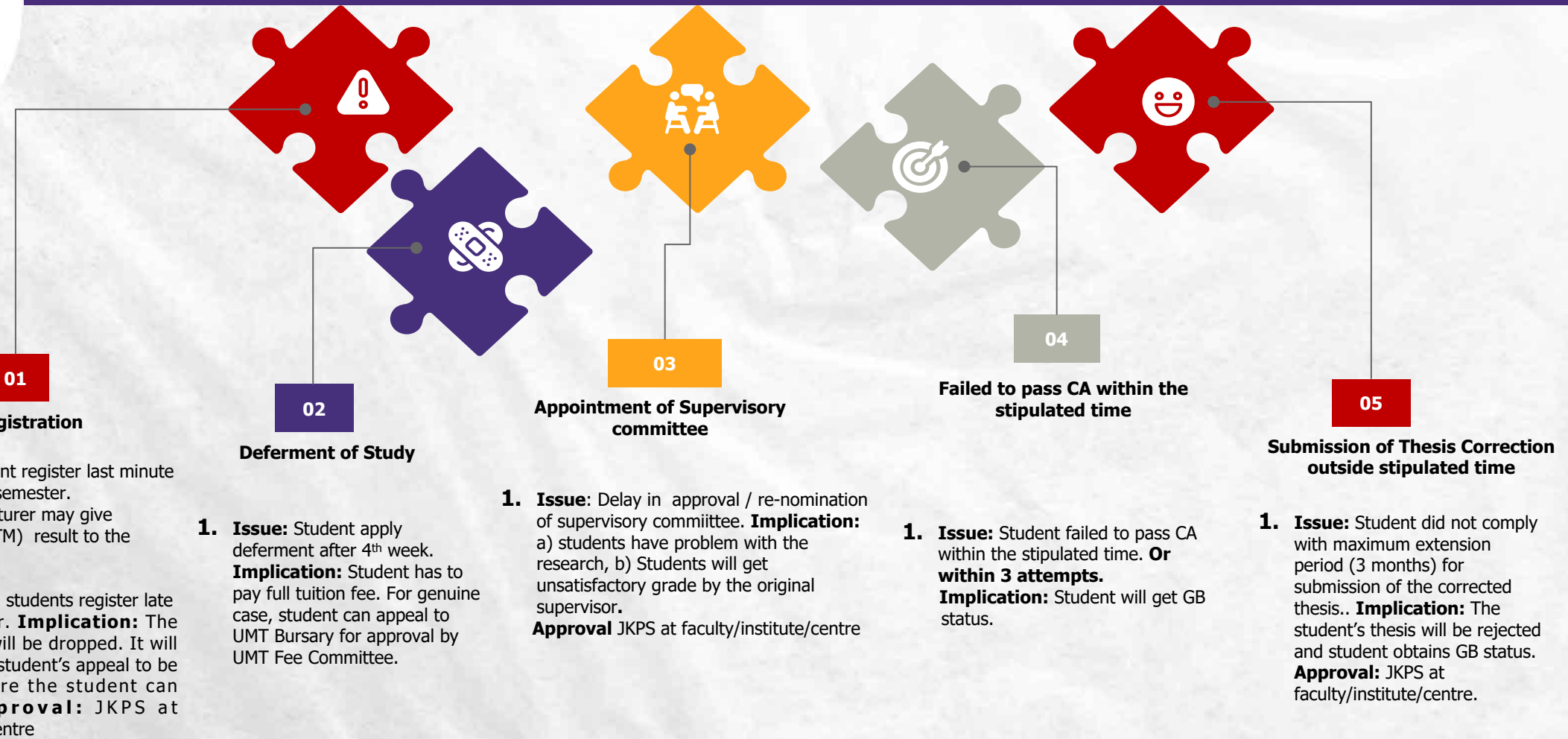


VACUUM CENTRIFUGAL CONCENTRATOR

BRAND: MIVAC DUO/GENEVAC

FUNCTION:
Range of centrifugal concentrators are capable of removing water & organic solvent from variety of sample form by means of vaporization process.

COMMON ISSUES FOR POSTGRADUATE STUDIES (BY RESEARCH)





SCHOLARSHIP OPPORTUNITY

International MSc/Phd candidate/student

- Malaysian Ministry of Higher Education – Malaysian International Scholarship (100 quotas/year)
- usually open for application in May – June, and the result will be out in September/October
- Candidate with offer letter may apply
- Current student with at least 6 months left to finish the study may apply

Malaysian PhD student

- UMT – Biasiswa Tuanku Canselor (1 quota), Biasiswa UMT (9 quotas)
- Please refer PPS website (Application in March, interview in May)
- Coming soon in 2024 – Malaysian Ministry of Higher Education will offer excellent local PG student MyBrain 2.0 scholarship (500 quotas)



Postgraduate Management Center (PPS)

- PPS will organize a minimum of 2 students training every year
- PPA also provide financial assistance for faculty/institute/centre to do postgraduate training to enhance the competency of postgraduate students – development of academic competency of postgraduate (the training/seminar programme arranged by the faculty/institute/centre)

POSTGRADUATE STUDENT WELFARE



All students are covered by insurance (for permanent disability or death)
Medical facilities- University Medical Centre, admission to government hospital ward (maximum RM2500/admission)



For international students - insurance and student welfare are under international Center



Starting 1st June 2022, students may choose **either** to do refund claim for:

- conference registration fee **once** throughout the study (maximum RM600) or
- refund for laboratory service fee/sample and chemicals purchasing (maximum amount of RM600) – eligible **only** if the student's bench fee at the faculty has finished

Publication incentive - for graduating student who have published journal article (WOS/Scopus indexed) more than the graduation requirements (related to his/her thesis)– study fee reimbursement



GENERAL FACILITIES @ UMT



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UMT MAPS



Terokaan Seluas Lautan, Demi Kelestarian Sejagat | Ocean of Discoveries for Global Sustainability

UMT CAMPUS AND RESEARCH CENTER/STATION



Pulau Bidong Research Station



UMT campus



Setiu Wetland Research Station



Kenyir Lake Research Station



**Taman Penyelidikan Alam,
Bukit Kor campus**



**Chagar Hutang Research Station
and Turtle Conservation**

UMT FACILITIES



**POSTGRADUATE
ROOM**

Access to the PG room by face recognition; please register at PPS counter to get an access



PPS COUNTER

UMT FACILITIES



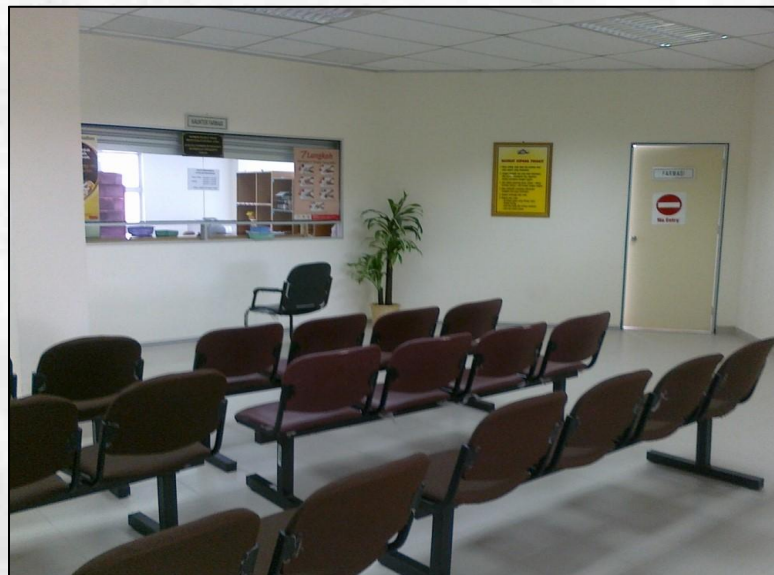
SULTAN MIZAN HALL



**SULTANAH NUR
ZAHIRAH LIBRARY**



UMT FACILITIES



MEDICAL CENTER



MARMORIS HOUSE





UMT FACILITIES (SPORT COMPLEX)

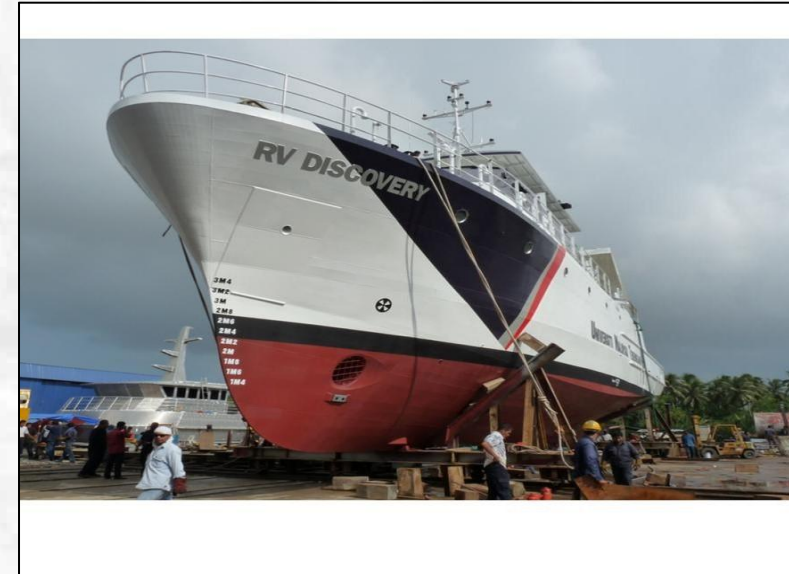


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UMT FACILITIES



UMT BUS



RESEACRH VESSEL



TERIMA KASIH

THANK YOU



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