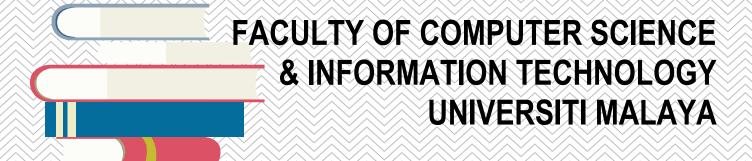


UNDERGRADUATE KIT

BACHELOR OF COMPUTER SCIENCE (DATA SCIENCE)



ACADEMIC CALENDAR SESSION 2023/2024

ACADEMIC CALENDAR 2023/2024 ACADEMIC SESSION (BACHELOR DEGREE LEVEL)						
	SEN	MESTER I				
Orientation (Week of Welcome) - WOW	1	week	01.10.2023	-	08.10.2023	
Lectures	7	weeks*	09.10.2023	-	26.11.2023	
Mid Semester I Break	1	week	27.11.2023	-	03.12.2023	
Lectures	7	weeks*	04.12.2023	-	21.01.2024	
Revision Week	1	week*	22.01.2024	-	28.01.2024	
Semester I Final Examination	2	weeks*	29.01.2024	-	11.02.2024	
Semester Break	3	weeks	12.02.2024	-	03.03.2024	
	22	weeks				
	SEN	IESTER II				
Lectures	5	weeks*	04.03.2024	-	07.04.2024	
Mid Semester II Break	1	week	08.04.2024	-	14.04.2024	
Lectures	9	weeks*	15.04.2024	-	16.06.2024	
Revision Week	1	week*	17.06.2024	-	23.06.2024	
Semester II Final Examination	2	weeks*	24.06.2024	-	07.07.2024	
	18	weeks				
SE	MES	TER BREAK				
Break	9	weeks*	08.07.2024	-	08.09.2024	
SPECIAL SEMESTER						
Lectures	7	weeks*	08.07.2024	-	25.08.2024	
Special Semester Final Examination	1	week*	26.08.2024	-	01.09.2024	
Break	1	week	02.09.2024		08.09.2024	
9 weeks						

Note:

(*) The Academic Calendar has taken into account public and festive holidays and is subject to change:

Maulidur Rasul	28 September 2023	Eidul Fitri	10 & 11 April 2024
Deepavali	12 November 2023	Labour Day	01 May 2024
Christmas Day	25 December 2023	Wesak Day	22 May 2024
New Year	01 January 2024	His Majesty the King's Birthday	03 June 2024
Thaipusam	25 January 2024	Eidul Adha	17 June 2024
Federal Territory Day	01 February 2024	Awal Muharam	07 July 2024
Chinese New Year	10 & 11 February 2024	National Day	31 August 2024
Nuzul Al-Quran	28 March 2024	Malaysia Day	16 September 2024

COURSE PLANNING FOR ACADEMIC SESSION 2023/2024

BACHELOR OF COMPUTER SCIENCE (DATA SCIENCE)

	COURSE COMPONENT	CREDITS	
COURSE CODE			SEMESTER
GIG1012 /	Philosophy and Current Issues (for local student only)/	2	_
GLT1017	Basic Malay Language (for international student)	2	1
GIG1013	Appreciation of Ethics and Civilizations	2	2
GIG1003	Basic Entrepreneurship	2	2
GIG1004	Information Literacy	2	2
GIG1005	Social Engagement	2	2
GLTXXXX	English for Communication (1)	3	1
GLTXXXX	English for Communication (2)	3	2
	Co-Curriculum	2	1
	External Faculty Elective	2	1
	Total	20	
COURSE CODE	FACULTY CORE COURSES	CREDITS	SEMESTER
WIX1001	Computing Mathematics I	3	1
WIX1002	Fundamentals of Programming	5	1
WIX1003	Computer System and Organization	3	1
WIX2001	Thinking and Communication Skills	3	1
WIX2002	Project Management	4-	
	Total	17	
COURSE CODE	PROGRAMME CORE COURSES	CREDITS	SEMESTER
WIE2003	Introduction to Data Science	3	2
WIA1001	Information Systems	3	1
WIA1002	Data Structure	5	2
WIA1003	Computer System Architecture	3	2
WIA1005	Network Technology Foundation	4	2
WIA2001	Database	3	1
WIA2002	Software Modelling	3	1
WIA2003	Probability and Statistics	3	1
WIA2004	Operating Systems	4	2
WID3006	Machine Learning	3	2
WIA3001	Industrial Training*	12	1
WIH3001	Data Science Project**	3	1
WIH3002	Data Science Industrial Training*	14	2
	Total	63	
COURSE CODE	FACULTY ELECTIVE COURSES (Choose only 2 courses)	CREDITS	SEMESTER
WIX3001	Soft Computing	3	1 atau 2
WIX3002	Social Informatics	3	1 atau 2
WIX3003	Information Security Management and Ethics	3	1 atau 2
WIC2004	Internet Technology Total	3 6	1 atau 2
2011225 2025		-	
COURSE CODE	SPECIALIZATION ELECTIVE COURSES (Choose only 6 courses)	CREDITS	SEMESTER
WIH2001	Data Analytics	3	2
WID2001	Knowledge Representation and Reasoning	3	2
WID2002	Computing Mathematics II	3	2
WID3001	Functional and Logic Programming	3	2
WID3002	Natural Language Processing	3	2
WIE3007	Data Mining and Warehousing	3	1
WIE3008	Business Analytics and Intelligence	3	1
WIE3010	Data Visualization	3	1
WIH3003	Big Data Applications and Analytics	3	1
WIH3004	Trends in Data Science	3	2
	Total	18	
	TOTAL CREDITS FOR GRADUATION	124	

[#] Pre-requisite.
* Taken all Faculty and Programme Core Courses except Academic Project I and Academic Project II.
** Pass all Faculty and Programme Core Courses except for Industrial Training and Academic Project

COURSE PLANNING FOR BACHELOR OF COMPUTER SCIENCE (DATA SCIENCE) ACADEMIC SESSION 2023/2024

YEAR	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
	GIG1012 / GLT1017	Philosophy and Current Issues (for local student only) / Basic Malay Language (for international student)	2	GIG1013	Appreciation of Ethics and Civilizations	2
	WIX1001	Computing Mathematics I	3	GIG1004	Information Literacy	2
	WIX1002	Fundamentals of Programming	5	GIG1005	Social Engagement	2
	WIX1003	Computer System and Organization	3	WIA1002	Data Structure (#WIX1002)	5
	WIA1001	Information Systems	3	WIA1003	Computer System Architecture (#WIX1003)	3
				WID3006	Machine Learning	
1				WIE2003	Introduction to Data Science	3
		Total	16		Total	20
		Total	10		1000	20
YEAR	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
		English for Communication (1)	3		Co-Curriculum	2
	GIG1003	Basic Entrepreneurship Skills	2		English for Communication (2)	3
	WIX2001	Communication Thinking and Skills	3	WIA2004	Operating Systems	4
	WIX2002	Project Management	3	WIA1005	Network Technology Foundation	4
	WIA2001	Database	3		Specialization Elective (1)	3
	WIA2002	Software Modelling	3		Specialization Elective (2)	3
2	WIA2003	Probability and Statistics	3		Faculty Elective (1)	3
_						
		Total	20		Total	22
YEAR	Course Code	Semester 1	Credits	Course Code	Semester 2 (Industry)	
	WIH3001	Data Science Project	3	WIH3002	Data Science Industrial Training	14
		Specialization Elective (3)	3			
		Specialization Elective (4)	3			
		Specialization Elective (5)	3			
		Specialization Elective (6)	3			
		Faculty Elective (2)	3			
3		External Faculty Elective	2			
		Total	20		Total	14
YEAR	Course Code	Semester 1 (Industry)	Credits		Credit Distribution	
	WIA3001	Industrial Training	12		Course Component	
		<u> </u>			University Courses	Credits 20
					Faculty Core Courses	17
					Faculty Elective Courses	6
					Programme Core Courses	63
4					Specialization Elective Courses	18
		Total	12		TOTAL CREDITS FOR GRADUATION	124

UNIVERSITY ENGLISH LANGUAGE COURSES FACULTY OF LANGUAGES AND LINGUISTICS LIST OF COURSES TO BE COMPLETED BY STUDENTS FROM DATA SCIENCE PROGRAMME ONLY 2023/2024 ACADEMIC SESSION

PATH 1	PATH 2	PATH 3	PATH 4		
MUET BAND 2	MUET BAND 3	MUET BAND 4	MUET BAND 5 & BAND 6		
# IELTS Band 4	# IELTS Band 4.5 – 5	# IELTS Band 5.5 - 6 ##	# IELTS Band 6.5 - 9.0		
# TOEFL Paper – Based Test	# TOEFL Paper – Based Test	# TOEFL Paper – Based Test (513	# TOEFL Paper – Based Test		
(437 – 473) / Computer – Based	(477 – 510) / Computer – Based	- 547) / Computer - Based Test	(550 – 677) / Computer –		
Test (123 – 150) /Internet – Based	Test (153 – 180) / Internet – Based	(183 – 210) / Internet – Based Test	Based Test (213 – 300) /		
Test (41 – 52)	Test (53 – 64)	(65-78)	Internet – Based Test (79 –		
		# A' Levels English (University of	120)		
		Cambridge, London) –	# A'Levels English		
		Minimum C	(University of Cambridge,		
			London) – Minimum B or A		
COMPULSORY -	COMPULSORY -	COMPULSORY -	COMPULSORY -		
(3 Courses x 2 Credit Hours)	(2 Courses x 3 Credit Hours)	(2 Courses x 3 Credit Hours)	(2 Courses x 3 Credit Hours)		
GLT1002 - Mastering English I GLT1003 - Mastering English II GLT1004 - Mastering English III	GLT1005 - Mastering English IV [Pre-requisite]	GLT1009 - Mastering English VI [Pre-requisite]	GLT1014 – Advanced Communication Skills GLT1015 – Advanced		
GET 1004 - Wastering English III	** PILIH SATU:	** PILIH SATU:	Professional Writing		
	 GLT1006 - Mastering English V GLT1007 - Essential Writing Skills GLT1008 - Effective Communication 	 GLT1010 - Mastering English VII GLT1011 - Technical Writing Skills in English GLT1012 - Presentation Skills in English GLT1013 - Reading Critically 			

^{**} These courses have prerequisites and students can only register for them after obtaining a PASS in the compulsory course as stipulated in the respective PATH.

MANUAL FOR ENROLMENT PROCESS FLOW

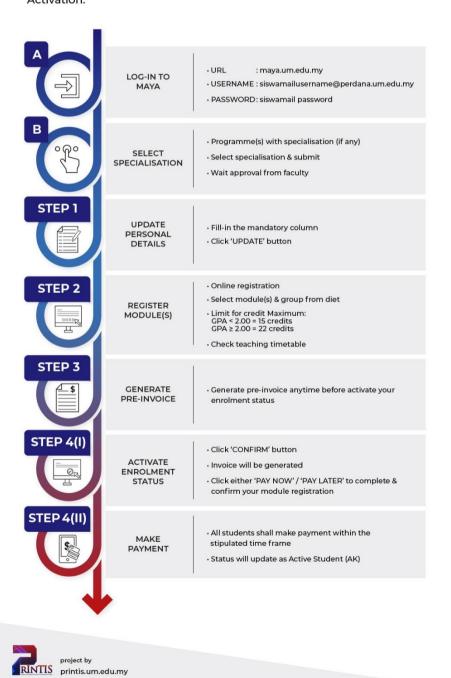




UMSItS ENROLMENT

Dear Students,

To ensure the registration process runs smoothly, it is advisable for students to complete the Module Registration first. You are encouraged to Generate Pre-Invoice during non peak hours followed by Enrolment Activation.



MANUAL FOR MODULE REGISTRATION







MAYA PORTAL

UNDERGRADUATE & POSTGRADUATE REGISTRATION | SEMESTER SYSTEM

Step 1: Search Timetable





- 1. Click on the Timetable menu and choose Search Timetable to check details of the module i.e. location, lecturer's name, day and time.
- 2. Please check timetable prior to the module registration. This to ensure that the registration process runs smoothly without any clashes.

- 1. Year = The first four digit of the Academic Session. I.e. 2019/2020= 2019
- Slot: Semester System period slots are:
 i. S1: Semester 1

 - S2: Semester 2 SS: Semester 3

 - R1: Semester 1 Research Mode R2: Semester 2 Research Mode
 - vi. E1: Semester 1 AEI

 - vii. E2: Semester 2 AEI viii. ES: Semester 3 AEI

Important Notes:

- 1. Year = The first four digit of the Academic Session. I.e. 2019/2020= 2019
- 2. Slot: Semester System period slots are:
 - S1: Semester 1
 - S2: Semester 2
 - SS: Semester 3 R1: Semester 1 Research Mode
 - R2: Semester 2 Research Mode
 - E1: Semester 1 AEI
 - E2: Semester 2 AEI vii.
 - viii. ES: Semester 3 AEI

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FOR MORE INFORMATION:









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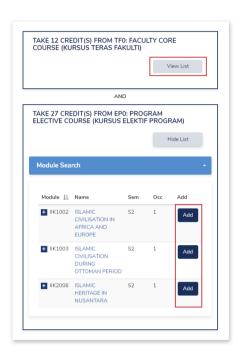






MODULE **UNDERGRADUATE & POSTGRADUATE** REGISTRATION | SEMESTER SYSTEM

Step 2: Select Module - Add module to cart



- 1. Click View List to view modules offered.
- 2. Search for your module.
- 3. Click Add to register module. Choose the correct occurrence/occ(Grouping).
- 4. Continue **Add** module if you have more than 1 module to register.

Important Notes:

- 1. Modules listed are based on the
 - DIET/programme structure; and
 - Offer for that particular semester.
- 2. Refer to your faculty if modules in your DIET are not listed but are offered for
- 3. Please go to Request Enrolment Module to register Off DIET module (Module not in your programme structure). This will not contribute to your fulfillment but will be counted in your GPA/CGPA.

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FOR MORE INFORMATION:













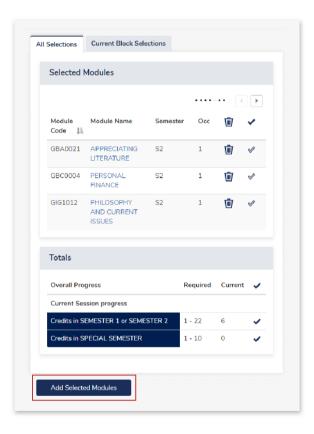




MODULE

UNDERGRADUATE & POSTGRADUATE REGISTRATION | SEMESTER SYSTEM

Step 3: Module Selection - Save selection & check clashes



1. Click submit selection to proceed with module registration after Add Selected Modules to check on clashes.

Important Notes:

- 1. At this stage, module is only saved and check for clashes.
- 2. It is NOT considered as registered modules.
- 3. System will display **Pop Message** if any of the selection modules has a clash.

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FOR MORE INFORMATION:



















UNDERGRADUATE & POSTGRADUATE MODULE REGISTRATION SEMESTER SYSTEM

Step 4: Module Selection Verification



1. Click Verify Module Selection to proceed with registration and to book for the module selection.

Important Notes:

- 1. At this stage, the module is considered as Pre-Registration **BUT** it is NOT considered as CONFIRMED REGISTRATION.
- 2. Student can continue to Add/Drop module.

Step 5: Return to 2.1 Module Selection – Add/drop modules after verification



1. Click Return to 2.1 Module Selection if you wish to Add/Drop module selection.

Important Note:

1. You may add/drop modules after the selection made at the Module Selection Submission stage.

OR

Step 5: Submit Module Selection – Continue Registration



1. Click Next to continue with registration, if there is no amendment to the module selected.

Important Note:

1. This will proceed with Generate Pre-Invoice.

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FOR MORE INFORMATION:













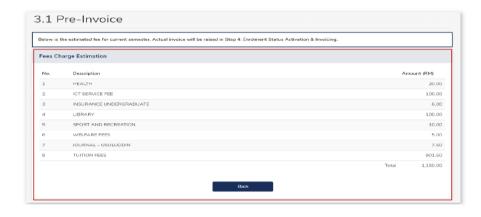






MODULE REGISTRATION

UNDERGRADUATE & POSTGRADUATE SEMESTER SYSTEM



Step 6: Enrolment Status Activation & Invoicing - Confirm **Module Registration And Ready to Receive Invoice**



1. Click on the Activate Enrolment Status button at Step 4: Enrolment Status Activation & Invoicing section to confirm on the modules that have been submitted for selection.

Important Notes:

- 1. Confirm the registration after you are satisfied with all the modules selected.
- 2. At this stage you have $\underline{\text{finalized}}$ the selected modules to register for the semester.
- 3. Do not confirm registration if you are not sure what module to enrol for that $% \left(1\right) =\left(1\right) =\left(1\right)$ semester. But this must be done before end of module registration period.
- 4. Invoice will be generated after confirming the registration.
- 5. Changes to the module enrolment are **NOT ALLOWED** after registration confirmation. (No more Add/Drop)
- 6. Changes to the module enrolment after confirmation can be done after Week 2. The implication is that Fees is **NOT** Refundable.

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