

UNDERGRADUATE KIT

BACHELOR OF COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE)

FACULTY OF COMPUTER SCIENCE
& INFORMATION TECHNOLOGY
UNIVERSITI MALAYA

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		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				
SEMESTER 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 (ARTIFICIAL INTELLIGENCE)

	COURSE COMPONENT	CREDITS	
COURSE CODE	OURSE CODE UNIVERSITY COURSES		SEMESTER
GIG1012	Philosophy and Current Issues (for local student only)		1
GLT1017	Basic Malay Language (for international student)	2	
GIG1013	Appreciation of Ethics and Civilizations	2	2
GIG1003	Basic Entrepreneurship Culture	2	1
GLTXXXX	English for Communication (1)	2	1
GLTXXXX	English for Communication (2) Co-Curriculum (1)	2 2	2
	Co-Curriculum (1)	2	1
	Total	14	<u>'</u>
COURSE			
CODE	FACULTY CORE COURSES	CREDITS	SEMESTER
WIX1001	Computing Mathematics I	3	1
WIX1002	Fundamentals of Programming	5	1
WIX1003	Computer Systems and Organization	3	1
WIX2001	Thinking and Communication Skills	3	1
WIX2002	Project Management	3	1
0011005	Total	17	
COURSE CODE	EXTERNAL UNIVERSITY ELECTIVE COURSES STUDENT HOLISTIC EMPOWERMENT (SHE)	CREDITS	SEMESTER
	University Elective (Cluster 1): Thinking Matters: Mind & Intellect	2	2
	University Elective (Cluster 2):	2	2
	Technology/Artificial Intelligence and Data Analytics: i-Techie University Elective (Cluster 3):	2	
	Global Issues and Community Sustainability: Making the World a Better	2	1
	Place		
	KIAR: Integrity and Anti-Corruption	2	2
COURSE	Total	8	
CODE	PROGRAMME CORE COURSES	CREDITS	SEMESTER
WIA1002	Data Structure (#WIX1002)	5	2
WIA1003	Computer System Architecture (#WIX1003)	3	2
WIA1005	Network Technology Foundation	4	2
WIA1006	Machine Learning	3	2
WIA1007	Introduction to Data Science	3	1
WIA2001	Database Database Statistics	3	1
WIA2003 WIA2004	Probability and Statistics Operating Systems	3 4	2
WIA2004 WIA2005	Algorithm Design and Analysis (#WIA1002)	4	2
WIA2005 WIA2006	System Analysis and Design	3	1
WIA2007	Mobile Application Development	4	1
WIA3001	Industrial Training *	12	1
WIA3002	Academic Project I **	3	2
WIA3003	Academic Project II (#WIA3002)	5	1
	Total	59	
COURSE	SPECIALIZATION ELECTIVE COURSES (Choose only 10 courses)	CREDITS	SEMESTER
CODE WIC2008	Internet of Things (#WIA1005)	3	2
WID2001	Knowledge Representation and Reasoning	3	2
WID2001	Computing Mathematics II	3	2
WID2003	Cognitive Science	3	2
WID3001	Functional and Logic Programming	3	2
WID3002	Natural Language Processing	3	2
WID3007	Fuzzy Logic (#WIX1001)	3	1
WID3010	Autonomous Robots		2
WID3011	Deep Learning	3	1
WID3012	Evolutionary Computation	3	1
WID3013	Computer Vision and Pattern Recognition	3	1
WID3014	Practical Artificial Intelligence	3	1
WID3015	Numerical Analysis Virtual Poolity	3	1
WIG3004	Virtual Reality Total	3 30	2
	TOTAL CREDITS FOR GRADUATION	128	
	TOTAL CREDITS FOR GRADUATION	120	

[#] 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 (ARTIFICIAL INTELLIGENCE) ACADEMIC SESSION 2023/2024

YEAR	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
	GIG1012 /	Philosophy and Current Issues (for local student only) /	2	GIG1013	Appreciation of Ethics and Civilizations	2
	GLT1017	Basic Malay Language (for international student)			11	
	GLTXXXX	English for Communication (1)	2	GLTXXXX	English for Communication (2)	2
	WIX1001	Computing Mathematics I	3	WIA1002	Data Structure (#WIX1002)	5
1	WIX1002	Fundamentals of Programming	5	WIA1003	Computer System Architecture (#WIX1003)	3
'	WIX1003	Computer Systems and Organization	3	WIA1005	Network Technology Foundation	4
	WIA1007	Introduction to Data Science	3	WIA1006	Machine Learning	3
			<u>ı</u>			
		Total	18	4	Total	19
\/E4B	0 0 1	2 / /	0 114	-	2 1 2	0 111
YEAR	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
	GIG1003	Basic Entrepreneurship Culture	2	14/14 0004	Co-Curriculum (1)	2
	WIX2001	Thinking and Communication Skills	3	WIA2004	Operating Systems	4
	WIX2002	Project Management	3	WIA2005	Algorithm Design and Analysis (#WIA1002)	4
	WIA2001	Database	3		Specialization Elective (1)	3
2	WIA2003	Probability and Statistics	3		Specialization Elective (2)	3
	WIA2006	System Analysis and Design	3		Specialization Elective (3)	3
	WIA2007	Mobile Application Development	4		KIAR: Integrity and Anti-Corruption	2
		Total	21	4	Total	21
YEAR	Course Code	Semester 1	Credits	Course Code	Semester 2	Credits
ILAN	WIA3001	Industrial Training *	12	WIA3002	Academic Project I **	3
	WIASUUT	industrial framing	12	WIA3002	Specialization Elective (4)	3
				1	Specialization Elective (4) Specialization Elective (5)	3
						3
				-	Specialization Elective (6)	
3				——	Specialization Elective (7)	3
					University Elective (Cluster 1)	2
					University Elective (Cluster 2)	2
		Total	12		Total	19
		Total	12	1	Total	13
YEAR	Course Code	Semester 1	Credits		Credit Distribution	1
		Co-Curriculum (2)	2		Course Component	Credits
	WIA3003	Academic Project II (#WIA3002)	5		University Courses	14
		Specialization Elective (8)	3		Faculty Core Courses	17
4		Specialization Elective (9)	3		University Elective Courses	8
4		Specialization Elective (10)	3		Programme Core Courses	59
		University Elective (Cluster 3)	2		Specialization Elective Courses	30
1		1	1			
		Total	18	-	TOTAL CREDITS FOR GRADUATION	128

ENGLISH COMMUNICATION PROGRAMME (UNIVERSTIY COURSE) FACULTY OF LANGUAGES AND LINGUISTICS LIST OF COURSES TO BE COMPLETED BY ALL STUDENTS (EXCEPT DATA SCIENCE PROGRAMME) 2023/2024 ACADEMIC SESSION

2023/2024 ACADEMIC SESSION					
PATH 1	PATH 2	PATH 3	PATH 4		
 MUET BAND 2 IELTS Band 4.0 TOEFL Paper – Based Test (437 – 473) TOEFL Computer – Based Test (123 – 150) TOEFL Internet – Based Test (41 – 52) PTE (Academic) – (10 – 28) 	 MUET BAND 3 IELTS Band 4.5 – 5.0 TOEFL Paper – Based Test (477 – 510) TOEFL Computer – Based Test (153 – 180) TOEFL Internet – Based Test (53 – 64) PTE (Academic) – (29 - 41) 	 MUET BAND 4 IELTS Band 5.5 - 6.0 TOEFL Paper - Based Test (513 - 547) TOEFL Computer - Based Test (183 - 210) TOEFL Internet - Based Test (65-78) PTE (Academic) - (42 - 57) FCE (B & C) GCE A Level (English) (Minimum C) IGCSE/GCSE (English) (A, B & C) 	 MUET BAND 5 & BAND 6 IELTS Band 6.5 - 9.0 TOEFL Paper - Based Test (550 - 677) TOEFL Computer - Based Test (213 - 300) TOEFL Internet - Based Test (79 - 120) PTE (Academic) (58 - 90) FCE (A) GCE A Level (English) (B & A) 		
Students need to complete 2 courses (2 courses x 2 credits each) from this PATH	Students need to complete 2 courses (2 courses x 2 credits each) from this PATH	Students need to complete 2 courses (2 courses x 2 credits each) from this PATH	Students need to complete 2 courses (2 courses x 2 credits each) from this PATH		
• GLT1018 – Proficiency in English I	ency in English I COMPULSORY GLT1021 – Proficiency in English II GLT1024 – Proficiency in English III		 GLT1027– Advanced Oral Communication* GLT1028 – Advanced Business 		
** CHOOSE ONE: • GLT1019 – Let's Speak • GLT1020 – Fundamental Writing	** CHOOSE ONE: • GLT1022 – Speak Up • GLT1023 – Effective Workplace Writing	** CHOOSE ONE: • GLT1025 – Effective Oral Communication • GLT1026 – Writing at the Workplace	Writing* Optional - Foreign Language course *(Students can only register for one course per semester)		

^{**} 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

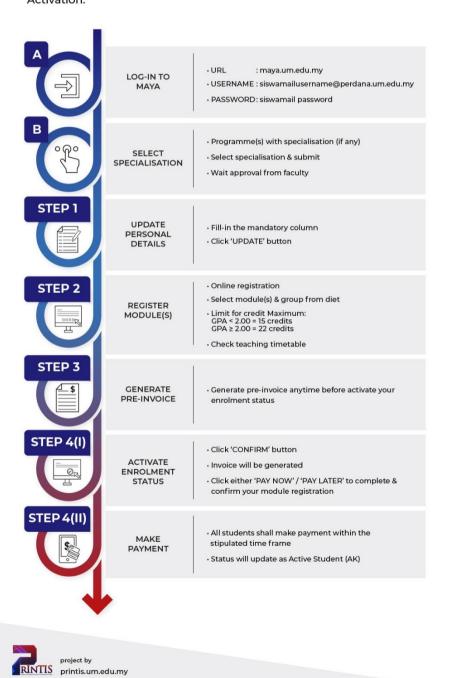




UMSItS ENROLMENT

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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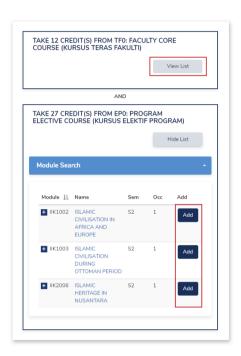






MODULE **UNDERGRADUATE & POSTGRADUATE** REGISTRATION | SEMESTER SYSTEM

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:













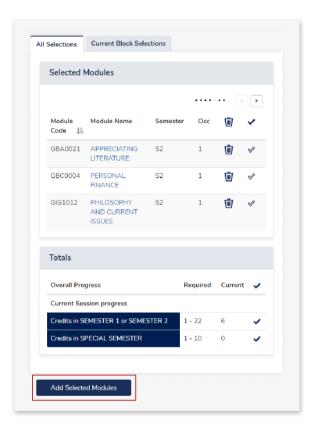




MODULE

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:













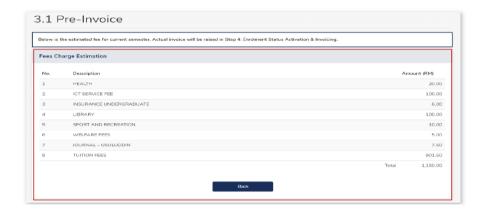






MODULE REGISTRATION

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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