



جامعة السلطان الشريف علي الإسلامية
UNIVERSITI ISLAM SULTAN SHARIF ALI
SULTAN SHARIF ALI ISLAMIC UNIVERSITY

UNDERGRADUATE PROGRAMME HANDBOOK

ACADEMIC SESSION 2024/2025

FACULTY OF ISLAMIC
TECHNOLOGY



CONTACT US AT:
fit@unissa.edu.bn



VISIT OUR WEBSITE:
<http://www.unissa.edu.bn/fit>

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



جامعة السلطان الشريف علي الإسلامية
UNIVERSITI ISLAM SULTAN SHARIF ALI
SULTAN SHARIF ALI ISLAMIC UNIVERSITY

FACULTY OF ISLAMIC TECHNOLOGY

**UNDERGRADUATE PROGRAMME
HANDBOOK
2024/2025**

Prepared by:

Faculty of Islamic Technology

Universiti Islam Sultan Sharif Ali

Simpang 347, Jalan Pasar Gadong, BE1310

Negara Brunei Darussalam

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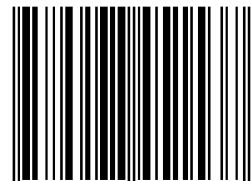
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CONTENTS

Foreword	1
About Us	3
Organisational Structure	7
Staff Directory	9
Academic Calendar	14
IMCT Programme Structure	16
Courses Description	19-33
1. University Required Course (URC)	19
2. Faculty Required Course (FRC)	23
3. Programme Required Course (PRC)	25
IDS Programme Structure	34
Courses Description	36-50
1. University Required Course (URC)	36
2. Faculty Required Course (FRC)	40
3. Programme Required Course (PRC)	42
Minor Programme	51-78
1. Minor in Contemporary Da'wah	51
2. Minor in Law	54
3. Minor in Shariah	57
4. Minor in Translation	59
5. Minor in Islamic Development Management	64
6. Minor in Islamic Economics	68
7. Minor in Halal Science	72
8. Minor in Agriculture	75

FOREWORD

السَّلَامُ عَلَيْكُمْ وَرَحْمَةُ اللَّهِ وَبَرَكَاتُهُ

الحمد لله رب العالمين والصلاة والسلام على أشرف الأنبياء والمرسلين سيدنا محمد وعلى آله وصحبه

أجمعين، أما بعد:

أهلاً وسهلاً ومرحباً بكم

Welcome to all new students to the Faculty of Islamic Technology (FIT), Universiti Islam Sultan Sharif Ali (UNISSA). As a new faculty, FIT aspires to contribute to Brunei's Digital Economy Master Plan 2025 and the National Vision 2035. Furthermore, efforts are being made to establish UNISSA as a prominent and high-tech Islamic institution capable of competing in the future, particularly at industrial level, and contributing towards employment creation. In this regard, FIT offers technology-based programmes that can assist in the dissemination and conveyance of Islamic information and knowledge through technology, as well as the management of Islamic affairs in the digital era. This initiative is also expected to revive Islam's glory in the 17th and 18th centuries by generating intelligent and technologically adept graduates and skilled Islamic scholars. Based on the Al-Qur'an and Sunnah, whilst upholding the *titah* of His Majesty, FIT strives for balance towards Islam, Science, Technology and Innovation through the programmes offered in order to address more educational challenges in the new millennium.

Alhamdulillah, thank you Allah for the continuous ideas and strengths in seeing the faculty handbook to completion. May this be of benefit and useful guidance for all undergraduate students pursuing FIT programmes.

I would like to express my sincere appreciation to all the faculty's members of staff, who have worked persistently and provided their unconditional support in preparing this handbook.

وبالله التوفيق والهداية والسلام عليكم ورحمة الله وبركاته

Sincerely,

[PROFESSOR DR HAJI ABDUL HAFIDZ BIN HAJI OMAR]

(Professor)

Dean

Faculty of Islamic Technology
Universiti Islam Sultan Sharif Ali

ABOUT US

The Faculty of Islamic Technology (FIT) was established on 10 November 2020. Its establishment is hoped to further support UNISSA's vision and mission. The faculty offers technology-based programmes in which students are prepared to be skilled and knowledgeable in the field of Islam, Media, Communication and Technology towards advancement in Science, Technology and Innovation. Students can then use this to creatively channel information and Islamic religious knowledge, as well as manage matters of Islamic affairs in facing the current technological era. It is also hoped that this effort will produce highly competitive graduates and Islamic scholars who will uphold and restore the glory days of Islam in the 17th and 18th centuries.

Vision

To strive for excellence in Islamic Technology committed to teaching and learning, professionalism, technopreneurship, research and innovation.

Mission

Fostering excellence in teaching, learning, research and innovation in Islamic Technology through a systems-based approach. Our goal is to produce skilled graduates with strong Islamic attributes, technological knowledge and the complementary skills required competence for future industry demands, as well as successful professional capable of serving the Ummah.

Motto

“Reviving The Golden Age of Islam Through Science, Technology and Innovation”

Programme Educational Objectives (PEO)

1. Professional Excellence: Graduates excel in their careers by demonstrating expertise in Islamic Technology, Media, and Communication, contributing meaningfully to their industries.
2. Leadership in Islamic Knowledge and Technology: Graduates integrate Islamic values with technological innovation to advance the dissemination of Islamic teachings and manage Islamic technological initiatives.
3. Societal Impact: Graduates actively contribute to the well-being of society and the Ummah through the application of Islamic principles and innovative technology solutions.
4. Advancement of Research and Innovation: Graduates lead in research, technopreneurship, and innovation, driving the development of Islamic technology in alignment with the Qur'an and Al-Sunnah.
5. Restoring Islamic Excellence: Graduates uphold and contribute to the revival of Islamic excellence, inspired by the Golden Age of Islam, through advancements in Science, Technology, and Innovation.

Programme Objectives (PO)

1. **Islamic Knowledge Mastery:** Develop a strong foundation in Islamic studies, enabling students to become knowledgeable Islamic scholars.
2. **Technological Proficiency:** Acquire practical skills in technology, media, and communication, integrating these with Islamic principles to address modern challenges.
3. **Research and Analytical Skills:** Gain competency in research methodologies to explore and solve problems in the field of Islamic Technology.
4. **Innovation and Creativity:** Develop the ability to innovate and apply technological solutions in creating and disseminating Islamic content.
5. **Community Engagement:** Demonstrate the ability to use Islamic knowledge and technological tools to benefit society and address the needs of the Ummah effectively.
6. **Ethics and Leadership:** Uphold Islamic ethical values and demonstrate leadership in professional and community settings.

FACULTY OF ISLAMIC TECHNOLOGY

ORGANISATIONAL STRUCTURE



STAFF DIRECTORY

Professor Dr Haji Abdul Hafidz bin Haji Omar

Dean / Professor



Educational Background:

- Ph.D (Health), Queensland University of Technology, Australia
- Master of Education (Leadership), Queensland University of Technology, Australia
- Bachelor of Education (Physical Education), Universiti Putra Malaysia (UPM), Malaysia
- Teaching Certificate (Science Education), National Teaching College, Penang

Specialisation:

- Research and Innovation
- Sport Innovation and Technology
- Sports Rehabilitation Technology
- Organisation and Administration in Education
- Educational Leadership
- Sport Sciences
- Sports Psychology
- Coaching in Sports
- Physical Fitness
- Outdoor Education
- Sports Sociology
- Athletics
- Teaching Methods in Sports Science
- Training Method & Fitness in Sports
- Research Methodology (Qualitative)

Area of Interest:

- Islamic Research and Innovation
- Leadership
- Sports and Health Engineering
- Biomedical Engineering

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Room No.: LG.1

Telephone: +673 2462000



Dr Abdul Azeem Khan

Deputy Dean / Assistant Professor

Educational Background:

- Ph.D (Computer Science) University of Malaya, Malaysia
- P.G.D.B.M (Post Graduate Diploma in Business Management) Kakatiya University, India
- M.C.A (Master of Computer Applications) Kakatiya University, India
- B.C.A (Bachelor of Computer Applications) Kakatiya University, India

Specialisation:

- Programming

Area of Interest:

- Cyber Security
- Object Oriented Programming Paradigm
- Optimizing Computational Resources,
- IoT and Numerical computing
- Artificial Intelligence

Email: azeem@unissa.edu.bn

Room No.: LG.1



Dr. Ghassan Ahmed Ali Abdulhabeab

Head of Postgraduate Programme / Associate Professor

Educational Background:

- PhD in Digital Forensic, Universiti Sains Malaysia (USM), Malaysia.
- M.Sc. in Information Systems Security, Universiti Sains Malaysia (USM), Malaysia.
- Bachelor (Hons.) in Computer Science, Ajman University, United Arab Emirates.
- Bachelor of Islamic Studies, University of Science and Technology (UST), Yemen.

Specialisation:

- Information Security

Area of interest:

- Digital Forensic,
- Artificial Intelligence,
- Database Security

Email: [ghassan.ali@unissa.edu.bn](mailto:g Hassan.ali@unissa.edu.bn)

Room No.: LG.4

Telephone: +673 2462000



Dr Tengku Amirah binti Tengku Haji Ismail

**Head of Undergraduate Programme /
Senior Assistant Professor**

Educational Background:

- PhD in Computer Science, University of Warwick, United Kingdom.
- Master of Information Technology, Universiti Kebangsaan Malaysia (UKM), Malaysia
- Bachelor of Library Science (Info Management), Universiti Teknologi Mara, Malaysia

Specialisation:

- Information Technology

Area of Interest:

- Multimedia Information Retrieval
- Multimedia Technology
- E-Learning
- Gaming

Email: amirah.ismail@unissa.edu.bn

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Telephone: +673 2462000



Nurulfa'izzah Asdiana binti Hj Md Hashim

At-Tamayyuz Co-Ordinator / Assistant Lecturer

Educational Background:

- M.Sc in Innovation and Technology Management, University of Bath, United Kingdom
- Bachelor of Information Technology (Multimedia), Universiti Malaya, Malaysia

Specialisation:

- Innovation Technology
- Multimedia Technology

Area of Interest:

- Creative Design
- Innovation Management

- Sustainability
- Artificial Intelligence

Email: nurulfaizzah.hashim@unissa.bn

Room No.: LG.1

Telephone: +673 2462000



Dr Dyg Hajah Tiawa binti Awg Haji Hamid

**Director of Technology and Multimedia Centre /
Senior Assistant Professor**

Educational Background:

- PhD in Educational Technology, Universiti Teknologi Malaysia, Malaysia.
- Master in Educational Technology, Universiti Teknologi Malaysia, Malaysia.
- Bachelor (Hons.) in Education, Universiti Pertanian Malaysia, Malaysia.

Specialisation:

- Educational Technology
- Research Methodology (Quantitative & Qualitative Research Methodology, Quantitative Data Analysis (SPSS & Rasch Model), Qualitative Data Analysis (NVIVO), instrument development & testing)
- 3D Virtual Reality, 2D Multimedia Design & Development/Innovation

Area of interest:

- Social Sciences,
- Interdisciplinary (Islamic, Science, Technology and Innovation)
- Arts & Humanities.

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Room No.: PTM

Telephone: +673 2462000



Dr Haji Mohammad Abul Fadle bin Haji Maidin @ Haji Mohiddin

**Deputy Director of Technology and Multimedia Centre
/ Lecturer**

Educational Background:

- Ph.D Computer Science, University of Salford, United Kingdom
- MA Design Multimedia, University of Leeds, United Kingdom

- BA Syariah, Universiti Brunei Darussalam, Negara Brunei Darussalam

-

Specialisation:

- Web Technologies
- Touch-Based Technologies

Area of Interest:

- Web Technologies
- Multimedia Technologies
- Touch-Based Technologies

Email: abulfadle.maidin@unissa.edu.bn

Room No.: PTM



Nur Amalina binti Hj Abd Aziz

Assistant Registrar

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Telephone: +673 2462000

التقويم الجامعي للعام الدراسي ٢٠٢٥/٢٠٢٤
 KALENDAR AKADEMIK / ACADEMIC CALENDAR 2024/2025



جامعة السلطان الشريف علي الإسلامية
 UNIVERSITI ISLAM SULTAN SHARIF ALI
 SULTAN SHARIF ALI ISLAMIC UNIVERSITY

2024						
يوليو / JULY / ربيع الأول / Muharam / Zulhijjah						
ISN	SEL	RAB	KHA	JUM	SAB	AHD
MON	TUE	WED	THU	FRI	SAT	SUN
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

2024						
أغسطس / OGOS / August / Muharam / Safar						
ISN	SEL	RAB	KHA	JUM	SAB	AHD
MON	TUE	WED	THU	FRI	SAT	SUN
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

2024						
سبتمبر / SEPTEMBER / September / Safar / Rabiulawal / Rabiulakhir						
ISN	SEL	RAB	KHA	JUM	SAB	AHD
MON	TUE	WED	THU	FRI	SAT	SUN
30						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

2024						
أكتوبر / OKTOBER / October / Rabiulawal / Rabiulakhir						
ISN	SEL	RAB	KHA	JUM	SAB	AHD
MON	TUE	WED	THU	FRI	SAT	SUN
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

2024						
نوفمبر / NOVEMBER / November / Rabiulakhir / Jamadilawal / Jamadilakhir						
ISN	SEL	RAB	KHA	JUM	SAB	AHD
MON	TUE	WED	THU	FRI	SAT	SUN
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

2024						
ديسمبر / DISEMBER / December / Jamadilawal / Jamadilakhir						
ISN	SEL	RAB	KHA	JUM	SAB	AHD
MON	TUE	WED	THU	FRI	SAT	SUN
30	31					1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

2025						
يناير / JANUARI / January / Syaaban / Rejab						
ISN	SEL	RAB	KHA	JUM	SAB	AHD
MON	TUE	WED	THU	FRI	SAT	SUN
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

2025						
فبراير / FEBRUARI / February / Syaaban						
ISN	SEL	RAB	KHA	JUM	SAB	AHD
MON	TUE	WED	THU	FRI	SAT	SUN
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	

2025						
مارس / MAC / March / Ramadan / Syaawal						
ISN	SEL	RAB	KHA	JUM	SAB	AHD
MON	TUE	WED	THU	FRI	SAT	SUN
31					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

2025						
أبريل / APRIL / April / Syaawal / Zulkaedah						
ISN	SEL	RAB	KHA	JUM	SAB	AHD
MON	TUE	WED	THU	FRI	SAT	SUN
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

2025						
مايو / MEI / May / Zulkaedah / Zulhijjah						
ISN	SEL	RAB	KHA	JUM	SAB	AHD
MON	TUE	WED	THU	FRI	SAT	SUN
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

2025						
يونيو / JUN / June / Muharam / Zulhijjah						
ISN	SEL	RAB	KHA	JUM	SAB	AHD
MON	TUE	WED	THU	FRI	SAT	SUN
30						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

2025						
يوليو / JULAI / July / Muharam / Safar						
ISN	SEL	RAB	KHA	JUM	SAB	AHD
MON	TUE	WED	THU	FRI	SAT	SUN
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Semester Pertama / First Semester / الفصل الأول Tempoh Kuliah / Lecture Period / فترة المحاضرات [29/7/2024 - 30/11/2024] Peperiksaan / Examination / فترة الامتحانات [18/11/2024 - 30/1/2025]	Semester Kedua / Second Semester / الفصل الثاني Tempoh Kuliah / Lecture Period / فترة المحاضرة [06/01/2025 - 11/05/2025] Peperiksaan / Examination / فترة الامتحانات [28/04/2025 - 11/9/2025]
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Semester Khass / Special Semester / الفصل الخاص Tempoh Kuliah / Lecture Period / فترة المحاضرة [19/05/2025 - 13/07/2025] Peperiksaan / Examination / فترة الامتحانات [07/7/2025 - 13/07/2025]
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Minggu Ulangkaji / Revision Week / أسبوع المراجعة	Peperiksaan / Examination / الامتحانات
Cuti Awam / Public Holiday / اجازة عامة	Cuti Panjangan / Antara Semester / Cuti Panjang / Mid-year semester break / Long Vacation / اجازة نصف الفصل / اجازة بين الفصائل الدراسي / اجازة طويلة

* Tertakluk kepada perubahan / Subject to change / قلبية للتغير

HARI KELEPASAN AWAM / PUBLIC HOLIDAYS | الاجازة العامة

08 Julai 2024 / 2 Muharram 1446	*Awal Tahun Hijrah 1445 رأس السنة الهجرية [sebagai ganti hari Ahad, 7 Julai 2024]	24 Februari 2025 / 25 Sya'ban 1446	عيد الاستقلال عيد Kebangsaan Negara Brunei Darussalam Ke-39 [sebagai ganti hari Ahad, 23 Feb 2025]
15 Julai 2024 / 09 Muharram 1446	Hari Keputeraan KDYMM Paduka Seri Baginda Sultan dan Yang Di-Pertuan Negara Brunei Darussalam عيد ميلاد جلالة السلطان	1 Mac 2025 / 1 Ramadan 1446	*Awal Ramadan أول رمضان
16 September 2024 / 12 Rabiulawal 1446	Maulud Nabi Muhammad SAW ذكرى المولد النبوي الشريف	17 Mac 2025 / 17 Ramadan 1446	*Memperingati Nuzul al-Qur'an ذكرى نزول القرآن
25 Disember 2024 / 23 Jamadilakhir 1446	عيد الميلاد المسحوق / Hari Krismas	31 Mac 2025 / 4 Zulhijah 1446	*Hari Raya Aidilfitri عيد الفطر
1 Januari 2025 / 30 Jamadilakhir 1446	رأس السنة الميلادية / *Isra' Mikraj الإِسْرَاءُ وَالْمِعْرَاجُ	7 Jun 2025 / 11 Zulhijah 1446	Hari Ulang Tahun Angkatan Bersenjata Diraja Brunei عيد القوات المسلحة الملكية البرونائية
27 Januari 2025 / 27 Rejab 1446	Tahun Baru Cina عيد السنة الصينية	26 Jun 2025 / 1 Muharram 1447	*Hari Raya Aidil Adha عيد الأضحي المبارك
29 Januari 2025 / 29 Rejab 1446		15 Julai 2025 / 20 Muharram 1447	*Awal Tahun Hijrah 1445 رأس السنة الهجرية

Hari Keputeraan KDYMM Paduka Seri Baginda Sultan dan Yang Di-Pertuan Negara Brunei Darussalam | عيد ميلاد جلالة السلطان

PROGRAMME STRUCTURE

Programme : **Bachelor of Islamic Media and Communication Technology**
 Code : **F001**
 Faculty : **Faculty of Islamic Technology (FIT)**
 Medium : **English**

YEAR 1 SEM 1											
No.	Code	Course Name	CHr	L	T	Med	CW%	EX%	Type	As	Choices
1	UQ1105	Al-Qur'an Al-Karim 1	1	1	1	Eng	60	40	URC	Mnd	
2	KL1112	Co-Curriculum 1	1	0	2	NA	100	0	URC	Mnd	
3	KL1104	English for Academic Purposes	2	1	1	Eng	50	50	URC	Mnd	
4	AA1206	Arabic 1	2	2	0	Arb	50	50	FRC	Mnd	
5	SU1203	Fiqh Al-Ibadat (Fiqh of Worship)	3	2	1	Eng	40	60	FRC	Mnd	
6	TM1101	Artificial Intelligence and Emerging Technologies	3	2	1	Eng	70	30	URC	Mnd	
7	TM1301	Communication and Cultural Dynamics	3	2	1	Eng	60	40	PRC	Mnd	
8	TM1302	Introduction to Islamic Media and Communication	3	2	1	Eng	60	40	PRC	Mnd	
Total		Courses: 8	CHrs	: 18		Cont. Hrs: 20		Workload : 60			

YEAR 1 SEM 2											
No.	Code	Course Name	CHr	L	T	Med	CW%	EX%	Type	As	Choices
1	UQ1106	Al-Qur'an Al-Karim 2	1	1	1	Eng	60	40	URC	Mnd	
2	KL1113	Co-Curriculum II	1	0	2	NA	100	0	URC	Mnd	
3	KL1120	MIB (For Malay Speakers)	3	2	1	Mly	40	60	URC	Mnd	Option 1 of 2
	KL1121	Brunei Studies (For Non-Malay Speakers)				Eng					
4	UA2125	Aqidah Ahl Al-Sunnah Wa Al-Jama'ah (English Medium)	3	3	0	Eng	40	60	URC	Mnd	
5	AA1207	Arabic 2	2	1	1	Arb	50	50	FRC	Mnd	
6	TM1303	Digital Media Ethics	3	2	1	Eng	60	40	PRC	Mnd	
7	TM1304	Introduction to Professional Communication	3	2	1	Eng	60	40	PRC	Mnd	
8	TM1305	Artificial Intelligence in Communication	3	2	1	Eng	60	40	PRC	Mnd	
Total		Courses: 8	CHrs	: 19		Cont. Hrs: 21		Workload : 63			

YEAR 1 SEM 3											
No.	Code	Course Name	CHr	L	T	Med	CW%	EX%	Type	As	Choices
1	TM1306	Media Web Development	3	2	1	Eng	60	40	PRC	Mnd	
2	TM1307	Mobile Apps Development for Media	3	2	1	Eng	70	30	PRC	Mnd	
Total		Courses: 2	CHrs	: 6		Cont. Hrs: 6		Workload : 18			

YEAR 2 SEM 1											
No.	Code	Course Name	CHr	L	T	Med	CW%	EX%	Type	As	Choices
1	UQ2105	Al-Qur'an Al-Karim 3	1	0	1	Eng	60	40	URC	Mnd	
2	DH2105	Islamic History and Civilisation	3	2	1	Eng	40	60	URC	Mnd	
3	UA2124	Islamic Ethics	3	2	1	Eng	40	60	URC	Mnd	
4	UT2226	Introduction to Quranic And Hadith Sciences	3	2	1	Eng	40	60	FRC	Mnd	
5	TM2308	Media Rights and Intellectual Property	3	2	1	Eng	40	60	PRC	Mnd	
6	TM2309	Creative Media and Innovation	3	2	1	Eng	60	40	PRC	Mnd	
7	TM2310	Media Project Management	3	2	1	Eng	40	60	PRC	Mnd	
Total		Courses: 7	CHrs	: 19		Cont. Hrs: 19		Workload : 57			

YEAR 2 SEM 2											
No.	Code	Course Name	CHr	L	T	Med	CW%	EX%	Type	As	Choices
1	UQ2106	Al-Qur'an Al-Karim 4	1	0	1	Eng	60	40	URC	Mnd	
2	TM2201	Technopreneurship	3	3	0	Eng	60	40	FRC	Mnd	
3	TM2202	Troubleshooting in Digital System Technology	3	2	1	Eng	40	60	FRC	Mnd	
4	TM2203	Software Applications	3	2	1	Eng	60	40	FRC	Mnd	
5	TM2311	User Centered Design	3	2	1	Eng	40	60	PRC	Mnd	
6	TM2312	Digital Technologies and Production	3	2	1	Eng	60	40	PRC	Mnd	
7	TM2313	Research Methodology	3	2	1	Eng	60	40	PRC	Mnd	
Total		Courses: 7	CHrs	: 19		Cont. Hrs: 19		Workload : 57			

YEAR 2 SEM 3											
No.	Code	Course Name	CHr	L	T	Med	CW%	EX%	Type	As	Choices
1	KL2324	Industrial Training I	6	0	6	Eng	100	0	PRC	Mnd	
Total		Courses: 1	CHrs	: 6		Cont. Hrs: 6		Workload : 18			

YEAR 3 SEM 1											
No.	Code	Course Name	CHr	L	T	Med	CW%	EX%	Type	As	Choices
1	UQ3105	Al-Qur'an Al-Karim 5	1	0	1	Eng	60	40	URC	Mnd	
2	KL2122	Co-Curriculum 3	1	0	2	NA	100	0	URC	Mnd	
3	TM3314	Media and Communication Project 1	3	0	3	Eng	60	40	PRC	Mnd	
4	TM3315	Creative Writing and Publishing	3	2	1	Eng	60	40	PRC	Mnd	
5	TM3316	Digital Cinematography	3	2	1	Eng	60	40	PRC	Mnd	
6	TM3317	Digital Marketing and Branding	3	2	1	Eng	60	40	PRC	Mnd	
7	TM3318	Digital Privacy and Media Security	3	2	1	Eng	40	60	PRC	Mnd	
Total		Courses: 7	CHrs	: 17		Cont. Hrs: 18		Workload : 54			

YEAR 3 SEM 2											
No.	Code	Course Name	CHr	L	T	Med	CW%	EX%	Type	As	Choices
1	UQ3106	Al-Qur'an Al-Karim 6	1	0	1	Eng	60	40	URC	Mnd	
2	KL2123	Co-Curriculum 4	1	0	2	NA	100	0	URC	Mnd	
3	TM3319	Media and Communication Project 2	3	0	3	Eng	100	0	PRC	Mnd	
4	TM3320	Podcasting and Audio Production in Digital Media	3	2	1	Eng	60	40	PRC	Mnd	
5	TM3321	Digital Media Analytics	3	2	1	Eng	40	60	PRC	Mnd	
6	TM3322	Communication Technology and Network	3	2	1	Eng	40	60	PRC	Mnd	
7	TM3323	Multimedia Technology	3	2	1	Eng	60	40	PRC	Mnd	
Total		Courses: 7	CHrs	: 17		Cont. Hrs: 18		Workload : 54			

YEAR 3 SEM 3											
No.	Code	Course Name	CHr	L	T	Med	CW%	EX%	Type	As	Choices
1	KL3324	Industrial Training 2	6	0	6	Eng	100	0	PRC	Mnd	
Total		Courses: 1	CHrs	: 6		Cont. Hrs: 6		Workload : 18			

Course Type	Courses Count	%	Credit Hrs	%	Contact Hrs	%
URC	16	33	27	21	33	25
FRC	7	15	19	15	19	14
PRC	25	52	81	64	81	61
TOTAL	48	100%	127	100%	133	100%

COURSES DESCRIPTION

University Required Courses (URCs)

UQ1105 | Al-Quran Al-Karim 1

Students will be practising recitation and memorisation of these *SĔrahs al-FĔtiĦah*, *SĔrah al-QĔri'ah* until *al-NĔs*) with the rules of *RĔ'*: the velarization and attenuation (*tafkhĔm and tarqĔq*), the definition of *al-Madd* and its rules, assimilation (*IdghĔm*), the connecting *Hamzah (Hamzah al-WaĦl)*, *Waqf* and *al-IbtidĔ'*, the calligraphy and vocalisation of al-Qur'an al-KarĔm (*Rasm al-MuĦĦaf wa ŐabĦuhu*) and ethics of concluding (*Khatm*) al-Qur'an.

UQ1106 | Al-Quran Al-Karim 2

Students will be practising recitation and memorisation of *SĔrahs al-ŐuĦĔ* until *al-'ŐdiyĔt* together with an introduction of the rules of *al-TajwĔd*, definition of *al-LaĦn*, the different categories and rules of *al-LaĦn*, *aĦĔm al-Isti'Ĕdhah*, *aĦĔm al-Basmalah*, manners of reading the Qur'an, prostration of reading (*SujĔd al-TilĔwah*), description of degrees (*al-MarĔtib*) of recitation (*al-TilĔwah*), The *NĔn SĔkinah* and *TanwĔn* rules and *MĔm SĔkinah* and its rules.

UQ2105 | Al-Quran Al-Karim 3

Recitation and memorisation of the following *SĔrahs (al-Fajr, until al-Layl)*.

UQ2106 | Al-Quran Al-Karim 4

Recitation and memorisation of the following *SĔrahs (al-Buruj until al-GhĔshiyah)*.

UQ3105 | Al-Quran Al-Karim 5

Recitation and memorisation of the following *SĔrahs (al-MuĦĦifĔn until al-InshiqĔq)*.

UQ3106 | Al-Quran Al-Karim 6

Recitation and memorisation of the following *SĔrahs ('Abasa until al-InfiĦar)*.

KL1112 | Co-Curriculum 1, KL1113 Co-Curriculum 2, KL2122 Co-Curriculum 3 & KL2123 Co-Curriculum 4

Co-Curriculum course 1, 2, 3 & 4 consist of two options. A: Uniformed Units or B: Workshops and Community Service. The Uniformed Units include: Royal Brunei Army Military Cadets, Fire & Rescue Cadets and Scouts. The workshops are divided into three

(3) categories, namely soft skills workshops, creativity and innovation workshops and spiritual workshops. Finally, taken alongside these workshops is many forms of community service.

References

- Berhormat Pehin Datu Seri Maharaja Dato Paduka Seri Setia (Dr.) Ustaz Haji Awang Abdul Aziz bin Juned, *Aqidah Ahli Sunnah Wal-Jamaah: Penyelamat Ummah*. 24 Rabiulakhir 1432H/29 Mac 2011M.
- Buku Dikir Maulud Syarafil Anam. Buku Wirid dan Doa-Doa Pilihan.

KL1104 | English for Academic Purposes

The course covers language skills of reading, writing, speaking and listening particularly for academic registers. It also focuses on **grammar and vocabulary** of academic texts which comprise of the study of parts of speech and verb tenses. The **reading** component develops students' ability to comprehend and interpret various range of texts and through the following macro- and micro-reading skills: making inferences, making predictions, analyzing and evaluating text and interpreting the writer's point of view. The **writing** component develops students' ability in organizing and summarizing information, as well as citing document sources appropriately (in-text citations and references). The **listening** component will include how to listen and interpret, infer, predict outcome, draw conclusions, analyze and evaluate information. The **speaking** component will include how to express opinions, participate in group discussions, support or oppose views or opinions and come to a general consensus.

References

- Bailey, S. (2006). *Academic Writing: A Handbook for International Students*. (2nd ed.). Oxon, UK: Routledge.
- Kallan, R. (2013). *Renovating Your Writing: Shaping Ideas into Clear, Concise and Compelling Messages*. Boston: Pearson Education, Inc.
- Oshima, A., & Hogue, A. (2007). *Writing Academic English*. (4th ed.). White Plains, NY: Pearson Education.
- Pears, R., & Shields, G. (2013). *Palgrave Study Skills: Cite Them Right – The Essential Referencing Guide*. London: Palgrave.
- Wallace, M., & Wray, A. (2016). *Critical Reading and Writing for Postgraduates*. (3rd ed.). London: SAGE.

TM1101 | Artificial Intelligence and Emerging Technologies

AI & Emerging Technologies provides an in-depth analysis and comprehensive understanding of the latest advancements in Artificial Intelligence, emphasizing its synergy with emerging technologies such as the Internet of Things (IoT), blockchain, virtual reality (VR), and augmented reality (AR). The course explores how these technologies are reshaping industries, from healthcare to finance, and delves into their practical applications, highlighting the transformative potential of AI in creating innovative solutions. It also critically examines the ethical implications and societal impacts of these technologies, fostering a balanced understanding of their benefits and

challenges. This course equips students with the knowledge to understand and leverage AI and emerging technologies in various professional contexts.

References:

- Tidd, J., & Bessant, J. (2018). *Managing Innovation: Integrating Technological, Market and Organizational Change*. Wiley.
- Negnevitsky, M. (2022). *Artificial Intelligence: A Guide to Intelligent Systems*. (4th Edition). Pearson.
- Vanka, U. (2023). *The Future is BIG: How Emerging Technologies are Transforming Industry and Societies*. Business Expert Press.
-

KL1120 | MIB (for Malay Speakers)

This course is designed to give students understanding of the meaning of Malay, Islam and Monarchy with the emphasis of its status as Brunei Darussalam national philosophy. In addition, to equip them with the core knowledge about 'AqÉdah of Ahlissunnah wal JamÉ'ah and ShÉfi'É School of Thought.

References

- Abdul Latif Haji Ibrahim, Haji dan Mohd. Taib Osman. (1993). *Melayu Islam Beraja, Kertas-Kertas Kerja Seminar "Melayu Islam Beraja"*. Universiti Brunei Darussalam: Akademi Pengajian Brunei.
- Muhammad Abdul Hadi Al-Masri (1994). *Ahlussunnah Wal-Jama'ah: Petunjuk Jalan yang Benar*. Kuala Lumpur: Penerbitan Kintan.
- Muhammad Abu Zahrah (terj). (2005). *Imam Shafi'i Biografi dan Pemikirannya dalam Masalah Aqidah, Politik dan Fiqh*. Jakarta: Penerti Lentera.
-

KL1121 | MIB (for Non-Malay Speakers)

This course is designed for non-Malay speaking international students who have arrived in Brunei Darussalam and are adapting and adjusting to life in Brunei. These students will be introduced to a brief historical overview of Brunei Darussalam; familiarise themselves with the unique national philosophy of MIB; learn about Brunei's society and culture as well as its traditions and customs; and equip them with practical communication in Malay / Brunei Malay as a means to help them cope with everyday interactions in Brunei society.

References

- Abdul Latif Haji Ibrahim (2001) *Issues in Brunei Studies*. Gadong: Akademi Pengajian Brunei, Universiti Brunei Darussalam.
- Pehin Jawatan Luar Pekerma Raja Dato Seri Utama Dr Ustaz Haji Md. Zain Haji Serudin (1998).
- Sainah, H.S. (2000). *Melayu Islam Beraja: Suatu Pendekatan*. Dewan Bahasa dan Pustaka Brunei. Public Administration in Brunei Darussalam. ETC: UBD.
-

UA2125 | Aqidah Ahl Al-Sunnah Wa Al-Jama'ah (English Medium)

This course will introduce students the concept of *'aqīdah* and *tawhīd*, the concept of *Ahlussunnah wal-Jama'ah*, and their sources and methodology in determining the foundations of the *'aqīdah* and its branches, and in refuting false doctrines; the concept of *'Ash'arism* and *Māturīdism*; the importance of the right *'aqīdah* in the life of the individual and society; the doctrine of the Sunnis in the divinities (*al-Ilāhiyyāt*) and prophethood (*al-Nubuwwāt*) and cosmologies (*al-Kawniyyāt*) and metaphysics (*al-Ghaybiyyāt*) and Imamate (*al-Imāmah*); apostasy and its causes; Quasi- Doctrines and contemporary destructive doctrines and ideologies such as secularism, liberalism and religious pluralism.

References

- Al-Buti, Muḥammad Sa'īd Ramadan. (1996). *Keyakinan Hakiki: Kewujudan Maha Pencipta dan Tugas Makhluk di Alam Semesta*. Trsl. By Muhammad Sulaiman Yassin. Selangor: ABIM.
- _____. (2017). *The Greatest Universal Sureties: The Creator's Existence and the Creatures Function*. Trsl. By Mahdi Lock. Singapore: www.fikr.com.
- Al-Ghazzali. (1974). *The Foundations of the Articles of Faith*. Lahore: Sh. Muhammad Ashraf.

DH2105 | Islamic History and Civilisation

There are two main components of the course. The first part deals with Islamic history and the second part deal with Islamic civilization. The course starts from the time of the Prophet Muḥammad – *ØallallÉhu 'Alayhi wa Sallam* – until the end of the Ottomans. It focuses on the history of the Prophet Muḥammad – *ØallallÉhu 'Alayhi wa Sallam* – his message and valuable teachings; Islamic propagation (*da'wah*) and its expansion; Islamic administration during the time of the Prophet Muḥammad – *ØallallÉhu 'Alayhi wa Sallam* – the Righteous Caliphs, the Umayyads, the Abbasids and Ottomans; Islamic civilization its meaning, concept, principles, sources and its impact on human civilization.

References

- Abu Khaldun, Sati'al-Husari. (1967). *DirÉsÉt 'an Muqaddimah Ibn KhaldÉn*. Beirut: Dar al-kitab al-Arabi.
- Al-Duri, Abd al- Aziz. (1960). *Bahth fÊ NashÉË 'Ilm al-TÉrÊkh 'Inda al-'Arab*. Beirut: Matba 'ah al-Kathulikiah.
- Bosworth C. E. (ed). (1974). *The Legacy of Islam*, 2nd ed. Oxford: At the Clarendon Press.

UA2124 | Islamic Ethics

This course will cover topics on definition of ethics; its advantages and its theme; source of ethics; concept of ethics; important ethics in of Islam on improving ethics; nature of ethics and its acquisition; benefits of ethics; ethics of the Prophet (Peace Be Upon Him) as found in the Al- Qurān and Al-Sunnah. This course consists of three parts, the first part consists of individual ethics: suppressing anger, truthfulness, humility, sincerity of intention, controlling passions, lowering gaze, telling lies, hypocrisy, self-conceit and jealousy. The second part consists of family ethics: Excellent behaviors with parents,

implanting good ethics and responsibilities to spouses and children. The last part consists of social ethics: Behaviors of fulfilling promises, trustworthiness, forgiveness, sacrifice, justice, lowering voice, ways of talking with elders, seeking permission and its methods, cheating, deceit, sarcasm, back biting, and unfairness.

References

- Al-Ghazali, Abu Hamid Muhammad bin Muhammad. (1975). *IhyÉ' UlĒmuddĒn*. Holland Muhtar (Trans). *The Duties of Brotherhood in Islam*. Leicester, England: The Islamic Foundation.
- Al-Haq Muhammad Zia (2000). *Professional Ethics of Islam*. Islamabad: Dakwah Academy International Islamic University.
- Haneef Shah, Sikandar Sayed (2008). *Ethics and Fiqh for daily life: An Islamic Outline*. Kuala Lumpur: International Islamic University.

Faculty Required Courses (FRCs)

AA1206 | Arabic 1

This course aims to provide the students with the functional words, and a number of linguistic patterns to develop their basic Arabic language skills; so that they can learn the basic vocabulary and functional expressions, write simple sentences, express their basic needs in specific situations and use the necessary language expressions to communicate through the four language skills in accordance with their level of language. After completing this course, students are expected to be able to practice basic language skills.

References

- Mahmud, Taha Muhammed. (1984). *Al-Ta'bĒr al-Muwajjah li al-Mubtadi'Ēn min Ghayri al-NĒliqĒn bi al- 'Arabiyyah*. Riyadh: Jami'at Al Malik Sa'ud.
- Sha'ban, Muhammed Adil, Fadl Allah, Muhammad al-Fatih & Sini, Mahmud Ismail. (1985). *Al-QirĒ'ah al-Muyassarah: Silsilah fĒ al-'Arabiyyah li al-NĒliqĒn bi GhayrihĒ*. Vol. 1. Saudi: Jami'at Al Malik Sa'ud.
- Sini, Mahmud Ismail, Abul Aziz, Nasif Mustafa & Hussain, Mukhtar Al Tahir. (1983). *Al-'Arabiyyah li al-NĒshi'Ēn*. Vol 1. Riyadh: Wizarat Al Ma'arif.

AA1207 | Arabic 2

This course aims to develop what the students have learned in the previous course regarding the four skills and provide them with a number of vocabulary and linguistic structures through topics related to Arab Islamic culture. The course also prepares them to use the language as a means of communication and read Arabic texts that suit the limits of the vocabulary they have learned. After completing this course, students are expected to be able to use what they have learned in occasions and situations that suit their language level.

References

- Mahmud, Taha Muhammed. (1984). *Al-Ta'bĒr al-Muwajjah li al-Mubtadi'Ēn min Ghayri al-NĒliqĒn bi al- 'Arabiyyah*. Riyadh: Jami'at Al Malik Sa'ud.

- Sha'ban, Muhammed Adil, Fadl Allah, Muhammad al-Fatih & Sini, Mahmud Ismail. (1985). *Al-Qir'ah al-Muyassarah: Silsilah fî al-'Arabiyyah li al-NÉliqÊn bi GhayrihÉ*. Vol. 1. Saudi: Jami'at Al Malik Sa'ud.
- Sini, Mahmud Ismail, Abul Aziz, Nasif Mustafa & Hussain, Mukhtar Al Tahir. (1983). *Al-'Arabiyyah li al-NÉshi'Ên*. Vol 1. Riyadh: Wizarat Al Ma'arif.

SU1203 | Fiqh Al-Ibadat (Fiqh of Worship)

The course covers the meaning of *'IbÉdÉt* (worships); its importance, characteristics, and objectives; definition of *ÙahÉrah* (purification) and types of water. *Wudu'* (ablution): its definition, obligations, recommendations and nullifiers, *Tayammum*. impurities and ways of purifying impurities; the conditions of prayer, times of prayers, essential requirements of prayers, recommendations of prayers and leadership in prayers; Friday and 'Ôd prayers; funeral prayers; *ZakÉh*: definition, conditions of payment and distribution and their rules; fasting: its definition, conditions, essential requirements, recommendations, and nullifiers, *KaffÉrah* of breaking the fasting; *I'tikÉf*: its meaning, conditions and rules; pilgrimage and *'Umrah*: their definition, rules, conditions, essential requirements, obligations, recommendations, nullifiers and prohibitions of *ÍrÉm*.

References

- Al-Haithami, Abdul Rahman. (n.d). *TuÍfah al-MuÍtÉj fÊ SharÍ al-MinhÉj*. Cairo: Mustafa al- Halabi.
- Al-Khin, Mustafa et.al. (1991). *Al-Fiqh al-ManhajÊ 'AlÉ Madhhab al-ShÉfi'Ê*, 3rd ed. Damascus: Dar al-Qalam.
- Al-Nawawi, Muhyiddin Yahya ibn Sharaf. (n.d). *al-MajmÉ' SharÍ al-Muhazzab*. Cairo: Idarah al- Tiba'ah al-Muniriyyah.

UT2226 | Introduction to Quranic and Hadith Sciences

This course will explore and explain the importance and the ranking position of this subject in Islam; discover some of the applicable terminologies that are used in Qur'anic and Hadith Sciences; discover the important basic rules in understanding the texts and giving assessment whether it is strong or weak according to its firmness and semantics.

References

- Abdullah, Ismail & Abdul Manas, Shayuthy. (2006). *Introduction to the Sciences of Hadith*. 1st ed. Kuala Lumpur: Research Centre International Islamic University Malaysia.
- Denffer, Ahmad Von. (1983). *Ulum al-Qur'an: An Introduction to the Sciences of the Qur'an*. Leicester: The Islamic Foundation.
- Ushama, Thameem. (2002). *Issues in the Study of the Qur'an*. Kuala Lumpur: Ilmiah Publishers.

TM2201 | Technopreneurship

Technopreneurship focuses on fostering an entrepreneurial mindset within the technological landscape. Students learn to identify and capitalize on technological

opportunities, develop business plans, secure funding, and navigate the challenges associated with starting and managing technology-driven ventures.

References

Smith, J. A. (2023). *Technopreneurship Mastery: Nurturing an Entrepreneurial Mindset in Technology Ventures*. TechPress

Entrepreneur, E. E. (2023). *Technopreneurship Mastery: Building Ventures in the Tech Era*. Publisher.

TM2202 | Troubleshooting in Digital System Technology

This course equips students with the skills to diagnose and troubleshoot issues in digital systems. Topics include hardware and software problem identification, troubleshooting methodologies, and preventive maintenance to ensure the reliability and functionality of digital systems.

References

Berkun, S. (2023). *Making Things Happen: Mastering Project Management*. O'Reilly Media.

McFarland, D. S. (2022). *CSS: The Missing Manual*. O'Reilly Media.

TM2203 | Software Applications

Software Applications is a practical course that provides hands-on experience with various software tools. Students learn to use applications for tasks such as document creation, spreadsheet analysis, presentation development, and project management.

References

McConnell, S. (2024). *Code Complete: A Practical Handbook Of Software Construction*. Microsoft Press.

Fowler, M. (2022). *Patterns Of Enterprise Application Architecture*. Addison-Wesley

Programme Required Courses (PRCs)

F001 - Bachelor of Islamic Media and Communication Technology

TM1301 | Communication and Cultural Dynamics

This course explores the intricate relationship between communication and culture. Students analyze how cultural dynamics influence communication patterns, media representation, and interpersonal interactions. Emphasis is placed on fostering cross-cultural understanding and effective communication in diverse contexts.

References

Véliz, C. (2023). *Privacy Is Power: Why And How You Should Take Back Control Of Your Data*. Bantam Press.

Rubin, R. (2022). *The Creative Act: A Way Of Being*. Harper Collins.

TM1302 | Introduction to Islamic Media and Communication

This course is an introduction to media and communication studies in the context of theories, practices and challenges and explores Islamic communication principles and ethics in the context of media and communication studies. The course explores major theories that explain how and why we communicate. Communication is therefore the focus of the course whereby explore different communication models, theories and concepts to explain how communication influences our perspective of others, the world and ourselves.

References

- Hakim, M. A. (2023). The role of social media in promoting Islamic content. *Journal of Islamic Media Studies*, volume(issue), pages.
- Ali, F. (2022). Islamic ethics in modern media: Challenges and opportunities. *Islamic Communication Journal*
- Tariq, M. (2022). Islamophobia in the media: A critical analysis. *Journal of Media and Communication Studies*, volume(issue), pages.
-

TM1303 | Digital Media Ethics

Digital Media Ethics examines ethical considerations in the creation, dissemination, and consumption of digital media. Students explore issues such as privacy, intellectual property, misinformation, and ethical decision-making in digital media production.

References

- Christians, C. G. (2023). *Media Ethics And Global Justice In The Digital Age*. Cambridge University Press.
- Coeckelbergh, M. (2022). *AI Ethics*. MIT Press
-

TM1304 | Introduction to Professional Communication

The course introduces students to the basic principles, practices and techniques involved in professional communication processes. It provides students with an understanding of how information can flow from media and communication industries to their audience and stakeholders. Through an understanding of a range of practices such as public relations and advertising, students will be exposed to the various communication channels, and will identify which techniques are appropriate for which domains.

References

- McKee, H. A., & Porter, J. E. (2017). *Professional Communication and Network Interaction: A Rhetorical and Ethical Approach*. Oxfordshire: Routledge.
- Schnurr, S. (2012). *Exploring Professional Communication: Language In Action*. Oxfordshire: Routledge.
- Guinn, T. (2022). *Communication Essentials: The Tools You Need to Master Every Type of Professional Interaction*. McGraw Hill.
-

TM1305 | Artificial Intelligence in Communication

This course explores the intersection of AI and communication. Topics include natural language processing, chatbots, automated content creation, and AI-driven communication technologies. Students examine how AI is transforming communication strategies in various industries.

References

- Eyal, N. (2022). *Hooked: How To Build Habit-Forming Products*. Portfolio.
- Noble, S. U. (2022). *Algorithms Of Oppression: How Search Engines Reinforce Racism*. NYU Press.
- Henry Kissinger (2023). "*The Age of AI: Artificial Intelligence and the Future of Humanity*".
-

TM1306 | Media Web Development

Media Web Development focuses on the creation of dynamic and visually appealing websites. Students learn web design principles, HTML, CSS, and JavaScript to develop interactive and media-rich web applications, incorporating elements such as graphics, audio, and video.

References

- Lorenz, M. (2023). *Flexible Visual Systems*. Thames & Hudson.
- Lupton, E. (2022). *Thinking With Type*. Princeton Architectural Press.
-

TM1307 | Mobile Apps Development for Media

This course focuses on developing mobile applications tailored for media-related purposes. Students learn mobile app design principles, programming languages such as Java or Swift, and usability considerations for creating engaging and functional media-related mobile apps.

References

- Meier, R. (2023). *Professional Android*. Wrox.
- Sadun, E. (2021). *iOS 15 Programming Fundamentals with Swift*. O'Reilly Media.
-

TM2308 | Media Rights and Intellectual Property

This is an introductory course on intellectual property (IPR) in media and communication technology. This will include the basic rules of the principle of IPT (patents, copyrights and trademarks) in technology-related production or innovation. In this course, students will learn eligibility, scope of protection, exceptions, infringement, and enforcement. This course will also examine the various media law, policy and regulatory frameworks in Brunei and other countries in establishing media, communication activities and best practices in the use of journalism, photographs, trademarks, film or video clips, audio and other copyrighted works. In addition to that, this course will also emphasize on intellectual property from an Islamic point of view.

References

- Attorney, R.S. (2020). *Patent, Copyright & Trademark: An Intellectual Property Desk Reference*. Berkeley: Nolo.
- Posner, R. A., & Landes, W. M. (2022). *The Economic Structure of Intellectual Property Law* (2nd ed.). Harvard University Press.
- Cornish, W. R., Llewelyn, D., & Aplin, T. (2023). *Intellectual Property: Patents, Copyright, Trade Marks and Allied Rights* (9th ed.). Sweet & Maxwell.
-

TM2309 | Creative Media and Innovation

This course introduces students to 21st century skills, specifically drawing on creative and innovative thinking skills which is crucial to function in the increasingly complex life and future work environments of the 21st century. Students will learn about creative thinking techniques and develop an understanding of how to apply creativity to achieve innovative outcomes. Students will also have the opportunity to learn the value of interdisciplinary creativity for idea creation through collaborating with others in the course.

References

- McCathren, M. (2022). *6Ps of Essential Innovation: Create the Culture and Capabilities of a Resilient Innovation Organization*. M. Ripples Media llc.
- Plucker, J. (2021). *Creativity and Innovation: Theory, Research and Practice*. Routledge; 2nd Edition.
- Massi, M., Pagani, M., & Viassone, C. (2022). *Digital transformation in creative industries: Challenges and opportunities*. Routledge.
-

TM2310 | Media Project Management

This course focuses on project management principles applied to media production. Students learn to plan, execute, and oversee media projects, covering aspects such as budgeting, scheduling, team collaboration, and the successful delivery of media content.

References

- Sutherland, J. & Sutherland, J. J. (2023). *Scrum: The Art Of Doing Twice The Work In Half The Time*. Crown Business.
- Kerzner, H. (2022). *Project Management Case Studies*. Wiley.
-

TM2311 | User Centered Design

User-Centered Design emphasizes designing products and systems with a primary focus on user experience (UX). Students learn principles of user interface (UI) design, usability testing, and iterative design processes to create products that meet the needs and preferences of end-users.

References

- Norman, D. A. (2024). *The Design Of Everyday Things*. Basic Books.
- Dannaway, A. (2022). *Practical UI*. SitePoint.
-

TM2312 | Digital Technologies and Production

This course is a new and interdisciplinary field that lies at the cross-section of film production, sound production, design, screenwriting, communication and focuses on the latest digital technologies. It entails transforming creative ideas and assets such as text, images and interactive apps into a variety of digital media, and includes the production of digital music, streaming video, and other widely distributed content. At the successful completion of this course, students will be able to comprehend the concept and use of digital technology and media for communication; demonstrate the use a higher level of thinking in designing and developing innovative technologies.

References

Jeanne W. Rose, et al. (2020). *Designed for Digital*. USA: MIT Press Ltd

Hans Schaffers, Matti Vartiainen and Jacques Bus (2021). *Digital Innovation and the Future of Work*. Denmark: River Publisher.

Belch, G. E., & Belch, M. A. (2024). *Advertising and promotion: An integrated marketing communications perspective* (13th ed.). McGraw-Hill Education.

TM2313 | Research Methodology

The main purpose of this course is to provide an overview of the fundamentals and principles of research methodology. Experimental and non-experimental research designs, as well as qualitative and quantitative designs, will be discussed. The course also aims to emphasize the importance of and need for research in the field of Islamic media and communication technology. It prepares students to plan and carry out research projects both in university and in the future. The course also provides students with fundamental knowledge and understanding of data collection, statistics, and scientific research writing. Students will learn how to collect data, develop a basic vocabulary of statistics terms, and understand the utility and limitations of statistics.

References

Fernandez, V. (2020). *Fundamentals of Research Methodology*. Terrassa: OmniaPublisher SL.

Flick, U. (2020). *Introducing Research Methodology: Thinking Your Way Through Your Research Project*. Third Edition. California: SAGE Publishing.

Hilton, T.P., Fawson, P.R., & et al. (2019). *Applied Social Research: A Tool for the Human Services*. (10th ed.). New York: Springer Publishing.

Kothari, C.R. (2019). *Research Methodology: Methods & Techniques*. Delhi: New Age International (p) Limited, Publishers.

TM3314 | Media and Communication Project 1

Media and Communication Project 1 is a supervised research experience where students develop and execute a research project in a chosen field of study. This course emphasizes research methodology, literature review, data collection, and analysis. It provides

students with practical experience in conducting academic research, preparing them for more advanced studies or professional roles.

References

- Booth, W. C., Colomb, G. G., & Williams, J. M. (2016). *The Craft of Research*. University of Chicago Press.
- Rosenberry, J., & Vicker, L. A. (2022). *Applied Mass Communication Theory: A Guide for Media Practitioners*. Routledge.
- University of Minnesota Libraries Publishing. (2023). *Understanding Media and Culture: An Introduction to Mass Communication*.
-

TM3315 | Creative Writing and Publishing

This course focuses on developing creative writing skills within the context of digital media. Students explore various writing styles and genres, and they learn about the digital publishing landscape, including self-publishing and online platforms.

References

- King, S. (2022). *On writing: A memoir of the craft*. Scribner.
- Friedman, J. (2021). *The business of being a writer*. University of Chicago Press
-

TM3316 | Digital Cinematography

This course explores the art of visual storytelling and provides a firm overview of the technical foundation in how to effectively use the camera, lighting, and other tools to convey your message. The course examines techniques of visual story production through a range of digital media which will lead to the development and production of stories by students themselves. Students will be introduced to the idea of story arcs and characters as persuasive devices. The practical component of this course will require students to build on knowledge of Islamic communication, theories related to media and communication as well as multimodal communication in the first and second year.

References

- Miller, C. H. (2019). *Digital Storytelling: A Creator's Guide To Interactive Entertainment*. Boca Raton, FL: CRC Press.
- Stump, D. (2022). *Digital Cinematography: Fundamentals, Tools, Techniques, and Workflows*. Routledge.
- Hollyn, N. (2024). *The Film Editing Room Handbook: How to Manage the Near Chaos of the Cutting Room*. Focal Press.
-

TM3317 | Digital Marketing and Branding

Digital Marketing and Branding explores strategies for promoting products and building brands in the digital realm. Students learn about online advertising, social media marketing, content creation, and brand management to develop effective digital marketing campaigns.

References

- Halligan, B. & Shah, D. (2023). *Inbound Marketing: Attract, Engage, And Delight Customers Online*. Wiley.
- Neumeier, M. (2022). *The Brand Gap: How To Bridge The Distance Between Business Strategy And Design*. New Riders.
-

TM3318 | Digital Privacy and Media Security

This course addresses the critical issues of digital privacy and media security. Students explore encryption methods, data protection, cybersecurity practices, and ethical considerations related to the collection and use of personal information in the digital media landscape.

References

- SecurityExpert, S. S. (2023). *Digital Privacy and Media Security Essentials*. Publisher.
- Wylie, C. (2022). *Mindfck: Inside Cambridge Analytica's plot to break the world*. Profile Books.
- Rand, P. (2022). *Design, form, and chaos*. Yale University Press.
-

TM3319 | Media and Communication Project 2

Media and Communication Project 2 is an advanced continuation of the research initiated in Media and Communication Project 1. It allows students to deepen their investigation, focusing on data collection, advanced analysis, and interpretation of results. The course culminates in a comprehensive research paper or project, demonstrating scholarly competence and contributing to the field of study.

References

- Creswell, J. W., & Creswell, J. D. (2017). *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches*. SAGE Publications.
- Yin, R. K. (2018). *Case Study Research and Applications: Design and Methods*. SAGE Publications.
- Rosenberry, J., & Vicker, L. A. (2022). *Applied Mass Communication Theory: A Guide for Media Practitioners*. Routledge.
-

TM3320 | Podcasting and Audio Production in Digital Media

The course provides an introduction to podcasting and audio production and its relationship with digital media. The course will examine the history of radio in Brunei and investigate radio programming and production. Through these, students will learn the basic aspects of audio production, podcasting, sound and writing for audio and podcasting. Additionally, students will be introduced to the skills and technologies of local, network and online radio production and programming. Students will also have the opportunity to learn from local companies who produced audio and podcasting through industrial engagement.

References

- Preger, S. (2021). *Storytelling in Radio and Podcasts*. Springer Nature.
- Hausman, C., Messere, F., O'Donnell, L. B., & Benoit, P. (2012). *Modern Radio Production: Production Programming & Performance*. Boston: Cengage Learning.
- Quicke, R. (2009). Kern, Jonathan. (2008). Sound Reporting: The NPR guide to audio journalism and production. *Journal of Radio & Audio Media*, 16(2), 254-255.
-

TM3321 | Digital Media Analytics

Digital Media Analytics explores methods for collecting and analyzing data related to digital media consumption. Students learn to interpret analytics to make informed decisions in media strategy, content optimization, and audience engagement.

References

- Albert, J. & Bennett, J. (2024). *Data Analysis For Media And Communication*. Routledge.
- Tuten, T. L. & Solomon, M. R. (2022). *Social Media Marketing*. SAGE Publications.
-

TM3322 | Communication Technology and Network

This course delves into communication technologies and networks. Students explore the infrastructure and protocols that underlie modern communication systems, including the internet, wireless networks, and emerging technologies. Topics also include network design, security, and maintenance.

References

- Stallings, W. (2022). *Data and Computer Communications*. Pearson.
- Tanenbaum, A. S. & Wetherall, D. J. (2022). *Computer Networks*. Pearson.
-

TM3323 | Multimedia Technology

The main purpose of this course is to prepare students a strong background multimedia systems and applications. It gives an overview of the role and design of multimedia systems and able to assess multimedia technology and digital communication demand of today's society where production of multimedia content and Internet play an important role. Other than to boost the expertise of students in handling multimedia applications, this course intends to endows skills for project realization and research in this area including project and product making, applications or multimedia services through the use of digital technologies and design and conduct creative audiovisual products for multisensory/interactive communication.

References

- Costello, V. (2023). *Multimedia Foundations*. Focal Press.
- Godse, A. P. (2020). *Multimedia Technologies*. Technical Publications.
- Storm, J. (2022). *Design Mind for Data Visualization: Learn to Use Information and Graphic Design Principles to Produce Engaging Data Stories Your Audience Can't Ignore*. 6x9 Publishing House
-

KL2324 & KL3324 | Industrial Training 1 & Industrial Training 2

This course will enable students to get the best practical training within the particular time frame; gain firsthand experience outside of the university by working in a professional organization; get trained by either government or private sector; apply their technical knowledge to real-life situations; have the opportunity to work with other professionals; and further develop technical, interpersonal and communication skills, both oral and written. As one of the compulsory courses for UNISSA undergraduate and postgraduate diploma students to complete, this programme provides opportunities for students to undergo LI training at local or overseas organisations from 9 to up to 20 weeks in accordance with the requirements approved by the UNISSA council.

PROGRAMME STRUCTURE

Programme : **Bachelor of Islamic Data Science**
 Code : **F002**
 Faculty : **Faculty of Islamic Technology (FIT)**
 Medium : **English**

YEAR 1 SEM 1											
No.	Code	Course Name	CHr	L	T	Med	CW%	EX%	Type	As	Choices
1	UQ1105	Al-Qur'an Al-Karim 1	1	1	1	Eng	60	40	URC	Mnd	
2	KL1112	Co-Curriculum 1	1	0	2	NA	100	0	URC	Mnd	
3	KL1104	English for Academic Purposes	2	1	1	Eng	50	50	URC	Mnd	
4	AA1206	Arabic 1	2	2	0	Arb	50	50	FRC	Mnd	
5	SU1203	Fiqh Al-Ibadat (Fiqh of Worship)	3	2	1	Eng	40	60	FRC	Mnd	
6	TM1101	Artificial Intelligence and Emerging Technologies	3	2	1	Eng	70	30	URC	Mnd	
7	TD1301	Introduction to Programming	3	2	1	Eng	60	40	PRC	Mnd	
8	TD1302	Fundamentals of Islamic Data Science	3	2	1	Eng	60	40	PRC	Mnd	
Total			Courses: 8	CHrs : 18	Cont. Hrs: 20			Workload : 60			

YEAR 1 SEM 2											
No.	Code	Course Name	CHr	L	T	Med	CW%	EX%	Type	As	Choices
1	UQ1106	Al-Qur'an Al-Karim 2	1	1	1	Eng	60	40	URC	Mnd	
2	KL1113	Co-Curriculum 2	1	0	2	NA	100	0	URC	Mnd	
3	KL1120	MIB (For Malay Speakers)	3	2	1	Mly	40	60	URC	Mnd	Option 1 of 2
	KL1121	Brunei Studies (For Non-Malay Speakers)				Eng					
4	UA2125	Aqidah Ahl Al-Sunnah Wa Al-Jama'ah (English Medium)	3	3	0	Eng	40	60	URC	Mnd	
5	AA1207	Arabic 2	2	1	1	Arb	50	50	FRC	Mnd	
6	TD1303	Introduction to Database Systems	3	2	1	Eng	60	40	PRC	Mnd	
7	TD1304	Computational Thinking using Python	3	2	1	Eng	60	40	PRC	Mnd	
8	TD1305	Introduction to Cloud Computing	3	2	1	Eng	60	40	PRC	Mnd	
Total			Courses: 8	CHrs : 19	Cont. Hrs: 21			Workload : 63			

YEAR 1 SEM 3											
No.	Code	Course Name	CHr	L	T	Med	CW%	EX%	Type	As	Choices
1	TD1306	Introduction to Statistics	3	2	1	Eng	60	40	PRC	Mnd	
2	TD1307	Introduction to Big Data Technologies	3	2	1	Eng	70	30	PRC	Mnd	
Total			Courses: 2	CHrs : 6	Cont. Hrs: 6			Workload : 18			

YEAR 2 SEM 1											
No.	Code	Course Name	CHr	L	T	Med	CW%	EX%	Type	As	Choices
1	UQ2105	Al-Qur'an Al-Karim 3	1	0	1	Eng	60	40	URC	Mnd	
2	DH2105	Islamic History and Civilisation	3	2	1	Eng	40	60	URC	Mnd	
3	UA2124	Islamic Ethics	3	2	1	Eng	40	60	URC	Mnd	
4	UT2226	Introduction to Quranic And Hadith Sciences	3	2	1	Eng	40	60	FRC	Mnd	
5	TD2308	Big Data Analytics	3	2	1	Eng	60	40	PRC	Mnd	
6	TD2309	Information Retrieval	3	2	1	Eng	70	30	PRC	Mnd	
7	TD2310	Introduction to Data Visualization	3	2	1	Eng	70	30	PRC	Mnd	
Total			Courses: 7	CHrs : 19	Cont. Hrs: 19			Workload : 57			

YEAR 2 SEM 2											
No.	Code	Course Name	CHr	L	T	Med	CW%	EX%	Type	As	Choices
1	UQ2106	Al-Qur'an Al-Karim 4	1	0	1	Eng	60	40	URC	Mnd	
2	TM2201	Technopreneurship	3	3	0	Eng	60	40	FRC	Mnd	
3	TM2202	Troubleshooting in Digital System Technology	3	2	1	Eng	40	60	FRC	Mnd	
4	TM2203	Software Applications	3	2	1	Eng	60	40	FRC	Mnd	
5	TD2311	Data Analytics with Python	3	2	1	Eng	70	30	PRC	Mnd	
6	TD2312	Islamic Applications in Data Science	3	2	1	Eng	60	40	PRC	Mnd	
7	TD2313	Research Methodology	3	2	1	Eng	60	40	PRC	Mnd	
Total			Courses: 7	CHrs : 19	Cont. Hrs: 19			Workload : 57			

YEAR 2 SEM 3											
No.	Code	Course Name	CHr	L	T	Med	CW%	EX%	Type	As	Choices
1	KL2324	Industrial Training 1	6	0	6	Eng	100	0	PRC	Mnd	
Total		Courses: 1	CHrs : 6	Cont. Hrs: 6			Workload : 18				

YEAR 3 SEM 1											
No.	Code	Course Name	CHr	L	T	Med	CW%	EX%	Type	As	Choices
1	UQ3105	Al-Qur'an Al-Karim 5	1	0	1	Eng	60	40	URC	Mnd	
2	KL2122	Co-Curriculum 3	1	0	2	NA	100	0	URC	Mnd	
3	TD3314	Data Science Project 1	3	0	3	Eng	60	40	PRC	Mnd	
4	TD3315	Machine Learning	3	2	1	Eng	70	30	PRC	Mnd	
5	TD3316	Cybersecurity	3	2	1	Eng	60	40	PRC	Mnd	
6	TD3317	Data Structures and Algorithms	3	2	1	Eng	60	40	PRC	Mnd	
7	TD3318	Islamic Ethics for Data and Privacy	3	2	1	Eng	60	40	PRC	Mnd	
Total		Courses: 7	CHrs : 17	Cont. Hrs: 18			Workload : 54				

YEAR 3 SEM 2											
No.	Code	Course Name	CHr	L	T	Med	CW%	EX%	Type	As	Choices
1	UQ3106	Al-Qur'an Al-Karim 6	1	0	1	Eng	60	40	URC	Mnd	
2	KL2123	Co-Curriculum 4	1	0	2	NA	100	0	URC	Mnd	
3	TD3319	Data Science Project 2	3	0	3	Eng	100	0	PRC	Mnd	
4	TD3320	Advanced Emerging Technologies	3	2	1	Eng	60	40	PRC	Mnd	
5	TD3321	Natural Language Processing	3	2	1	Eng	60	40	PRC	Mnd	
6	TD3322	Deep Learning	3	2	1	Eng	70	30	PRC	Mnd	
7	TD3323	Data Communication and Networking	3	2	1	Eng	70	30	PRC	Mnd	
Total		Courses: 7	CHrs : 17	Cont. Hrs: 18			Workload : 54				

YEAR 3 SEM 3											
No.	Code	Course Name	CHr	L	T	Med	CW%	EX%	Type	As	Choices
1	KL3324	Industrial Training 2	6	0	6	Eng	100	0	PRC	Mnd	
Total		Courses: 1	CHrs : 6	Cont. Hrs: 6			Workload : 18				

Course Type	Courses Count	%	Credit Hrs	%	Contact Hrs	%
URC	16	33	27	21	33	25
FRC	7	15	19	15	19	14
PRC	25	52	81	64	81	61
TOTAL	48	100%	127	100%	133	100%

COURSES DESCRIPTION

University Required Courses (URCs)

UQ1105 | Al-Quran Al-Karim 1

Students will be practising recitation and memorisation of these *SĔrahs al-Fĕtĭlah*, *SĔrah al-Qĕri'ah* until *al-Nĕs*) with the rules of *Rĕ'*: the velarization and attenuation (*tafkhĕm* and *tarqĕq*), the definition of *al-Madd* and its rules, assimilation (*Idghĕm*), the connecting *Hamzah* (*Hamzah al-Waĭl*), *Waqf* and *al-Ibtidĕ'*, the calligraphy and vocalisation of al-Qur'an al-Karĕm (*Rasm al-Muĭĭaf wa Őabĭuhu*) and ethics of concluding (*Khatm*) al-Qur'an.

UQ1106 | Al-Quran Al-Karim 2

Students will be practising recitation and memorisation of *SĔrahs al-Őuĭĕ* until *al-'Ődiyĕt* together with an introduction of the rules of *al-Tajwĕd*, definition of *al-Laĭn*, the different categories and rules of *al-Laĭn*, *alĕĕm al-Istiĕdhah*, *alĕĕm al-Basmalah*, manners of reading the Qur'an, prostration of reading (*Sujĕd al-Tilĕwah*), description of degrees (*al-Marĕtib*) of recitation (*al-Tilĕwah*), The *Nĕn Sĕkinah* and *Tanwĕn* rules and *Mĕm Sĕkinah* and its rules.

UQ2105 | Al-Quran Al-Karim 3

Recitation and memorisation of the following *SĔrahs* (*al-Fajr*, until *al-Layl*).

UQ2106 | Al-Quran Al-Karim 4

Recitation and memorisation of the following *SĔrahs* (*al-Buruj* until *al-Ghĕshiyah*).

UQ3105 | Al-Quran Al-Karim 5

Recitation and memorisation of the following *SĔrahs* (*al-Muĭĭffĕn* until *al-Inshiqĕq*).

UT3106 | Al-Quran Al-Karim 6

Recitation and memorisation of the following *SĔrahs* (*Abasa* until *al-Infĭĭar*).

KL1112 | Co-Curriculum 1, KL1113 Co-Curriculum 2, KL2122 Co-Curriculum 3 & KL2123 Co-Curriculum 4

Co-Curriculum course 1, 2, 3 & 4 consist of two options. A: Uniformed Units or B: Workshops and Community Service. The Uniformed Units include: Royal Brunei Army Military Cadets, Fire & Rescue Cadets and Scouts. The workshops are divided into three (3) categories, namely soft skills workshops, creativity and innovation workshops and spiritual workshops. Finally, taken alongside these workshops is many forms of community service.

References

- Berhormat Pehin Datu Seri Maharaja Dato Paduka Seri Setia (Dr.) Ustaz Haji Awang Abdul Aziz bin Juned, *Aqidah Ahli Sunnah Wal-Jamaah: Penyelamat Ummah*. 24 Rabiulakhir 1432H/29 Mac 2011M.
- Buku Dikir Maulud Syarafil Anam. Buku Wirid dan Doa-Doa Pilihan.
-

KL1104 | English for Academic Purposes

The course covers language skills of reading, writing, speaking and listening particularly for academic registers. It also focuses on **grammar and vocabulary** of academic texts which comprise of the study of parts of speech and verb tenses. The **reading** component develops students' ability to comprehend and interpret various range of texts and through the following macro- and micro-reading skills: making inferences, making predictions, analyzing and evaluating text and interpreting the writer's point of view. The **writing** component develops students' ability in organizing and summarizing information, as well as citing document sources appropriately (in-text citations and references). The **listening** component will include how to listen and interpret, infer, predict outcome, draw conclusions, analyze and evaluate information. The **speaking** component will include how to express opinions, participate in group discussions, support or oppose views or opinions and come to a general consensus.

References

- Bailey, S. (2006). *Academic Writing: A Handbook for International Students*. (2nd ed.). Oxon, UK: Routledge.
- Kallan, R. (2013). *Renovating Your Writing: Shaping Ideas into Clear, Concise and Compelling Messages*. Boston: Pearson Education, Inc.
- Oshima, A., & Hogue, A. (2007). *Writing Academic English*. (4th ed.). White Plains, NY: Pearson Education.
- Pears, R., & Shields, G. (2013). *Palgrave Study Skills: Cite Them Right – The Essential Referencing Guide*. London: Palgrave.
- Wallace, M., & Wray, A. (2016). *Critical Reading and Writing for Postgraduates*. (3rd ed.). London: SAGE.
-

TM1101 | Artificial Intelligence and Emerging Technologies

AI & Emerging Technologies provides an in-depth analysis and comprehensive understanding of the latest advancements in Artificial Intelligence, emphasizing its synergy with emerging technologies such as the Internet of Things (IoT), blockchain, virtual reality (VR), and augmented reality (AR). The course explores how these technologies are reshaping industries, from healthcare to finance, and delves into their practical applications, highlighting the transformative potential of AI in creating innovative solutions. It also critically examines the ethical implications and societal impacts of these technologies, fostering a balanced understanding of their benefits and challenges. This course equips students with the knowledge to understand and leverage AI and emerging technologies in various professional contexts.

References:

- Tidd, J., & Bessant, J. (2018). *Managing Innovation: Integrating Technological, Market and Organizational Change*. Wiley.

- Lueth, K. L. (2020). *State of the IoT 2020: 12 billion IoT connections, surpassing non-IoT for the first time*. IoT Analytics.
- Mougayar, W. (2018). *The Business Blockchain: Promise, Practice, and Application of the Next Internet Technology*. Wiley.

KL1120 | MIB (for Malay Speakers)

This course is designed to give students understanding of the meaning of Malay, Islam and Monarchy with the emphasis of its status as Brunei Darussalam national philosophy. In addition, to equip them with the core knowledge about 'AqĒdah of Ahlissunnah wal JamĒ'ah and ShĒfi'Ē School of Thought.

References

- Abdul Latif Haji Ibrahim, Haji dan Mohd. Taib Osman. (1993). *Melayu Islam Beraja, Kertas-Kertas Kerja Seminar "Melayu Islam Beraja"*. Universiti Brunei Darussalam: Akademi Pengajian Brunei.
- Muhammad Abdul Hadi Al-Masri (1994). *Ahlussunnah Wal-Jama'ah: Petunjuk Jalan yang Benar*. Kuala Lumpur: Penerbitan Kintan.
- Muhammad Abu Zahrah (terj). (2005). *Imam Shafi'i Biografi dan Pemikirannya dalam Masalah Aqidah, Politik dan Fiqh*. Jakarta: Penerti Lentera.

KL1121 | MIB (for Non-Malay Speakers)

This course is designed for non-Malay speaking international students who have arrived in Brunei Darussalam and are adapting and adjusting to life in Brunei. These students will be introduced to a brief historical overview of Brunei Darussalam; familiarise themselves with the unique national philosophy of MIB; learn about Brunei's society and culture as well as its traditions and customs; and equip them with practical communication in Malay / Brunei Malay as a means to help them cope with everyday interactions in Brunei society.

References

- Abdul Latif Haji Ibrahim (2001) *Issues in Brunei Studies*. Gadong: Akademi Pengajian Brunei, Universiti Brunei Darussalam.
- Pehin Jawatan Luar Pekerma Raja Dato Seri Utama Dr Ustaz Haji Md. Zain Haji Serudin (1998).
- Sainah, H.S. (2000). *Melayu Islam Beraja: Suatu Pendekatan*. Dewan Bahasa dan Pustaka Brunei. Public Administration in Brunei Darussalam. ETC: UBD.

UA2125 | Aqidah Ahl Al-Sunnah Wa Al-Jama'ah (English Medium)

This course will introduce students the concept of 'aqĒdah and tawĥĒd, the concept of Ahlissunnah wal-Jama'ah, and their sources and methodology in determining the foundations of the 'aqĒdah and its branches, and in refuting false doctrines; the concept of 'Ash'arism and MĀturĒdism; the importance of the right 'aqĒdah in the life of the individual and society; the doctrine of the Sunnis in the divinities (*al-IlĀhiyyĀt*) and prophethood (*al-NubuwwĀt*) and cosmologies (*al-KawniyyĀt*) and metaphysics (*al-GhaybiyyĀt*) and Imamate (*al-ImĀmah*); apostasy and its causes; Quasi- Doctrines and

contemporary destructive doctrines and ideologies such as secularism, liberalism and religious pluralism.

References

- Al-Buti, Muḥammad Sa'īd Ramadan. (1996). *Keyakinan Hakiki: Kewujudan Maha Pencipta dan Tugas Makhluq di Alam Semesta*. Trsl. By Muhammad Sulaiman Yassin. Selangor: ABIM.
- _____. (2017). *The Greatest Universal Sureties: The Creator's Existence and the Creatures Function*. Trsl. By Mahdi Lock. Singapore: www.fikr.com.
- Al-Ghazzali. (1974). *The Foundations of the Articles of Faith*. Lahore: Sh. Muhammad Ashraf.

DH2105 | Islamic History and Civilisation

There are two main components of the course. The first part deals with Islamic history and the second part deal with Islamic civilization. The course starts from the time of the Prophet Muḥammad – ØallallÉhu 'Alayhi wa Sallam – until the end of the Ottomans. It focuses on the history of the Prophet Muḥammad – ØallallÉhu 'Alayhi wa Sallam – his message and valuable teachings; Islamic propagation (*da'wah*) and its expansion; Islamic administration during the time of the Prophet Muḥammad – ØallallÉhu 'Alayhi wa Sallam – the Righteous Caliphs, the Umayyads, the Abbasids and Ottomans; Islamic civilization its meaning, concept, principles, sources and its impact on human civilization.

References

- Abu Khaldun, Sati'al-Husari. (1967). *DirÉsÉt 'an Muqaddimah Ibni KhaldÉn*. Beirut: Dar al-kitab al-Arabi.
- Al-Duri, Abd al- Aziz. (1960). *Bahth fÉ NashÉÉ 'Ilm al-TÉrÉkh 'Inda al-'Arab*. Beirut: Matba 'ah al-Kathulikiah.
- Bosworth C. E. (ed). (1974). *The Legacy of Islam*, 2nd ed. Oxford: At the Clarendon Press.

UA2124 | Islamic Ethics

This course will cover topics on definition of ethics; its advantages and its theme; source of ethics; concept of ethics; important ethics in of Islam on improving ethics; nature of ethics and its acquisition; benefits of ethics; ethics of the Prophet (Peace Be Upon Him) as found in the Al- Qurān and Al-Sunnah. This course consists of three parts, the first part consists of individual ethics: suppressing anger, truthfulness, humility, sincerity of intention, controlling passions, lowering gaze, telling lies, hypocrisy, self-conceit and jealousy. The second part consists of family ethics: Excellent behaviors with parents, implanting good ethics and responsibilities to spouses and children. The last part consists of social ethics: Behaviors of fulfilling promises, trustworthiness, forgiveness, sacrifice, justice, lowering voice, ways of talking with elders, seeking permission and its methods, cheating, deceit, sarcasm, back biting, and unfairness.

References

- Al-Ghazali, Abu Hamid Muhammad bin Muhammad. (1975). *IhyÉ' UlÉmuddÉn*. Holland Muhtar (Trans). *The Duties of Brotherhood in Islam*. Leicester, England: The Islamic Foundation.

Al-Haq Muhammad Zia (2000). *Professional Ethics of Islam*. Islamabad: Dakwah Academy International Islamic University.

Haneef Shah, Sikandar Sayed (2008). *Ethics and Fiqh for daily life: An Islamic Outline*. Kuala Lumpur: International Islamic University.

Faculty Required Courses (FRCs)

AA1206 | Arabic 1

This course aims to provide the students with the functional words, and a number of linguistic patterns to develop their basic Arabic language skills; so that they can learn the basic vocabulary and functional expressions, write simple sentences, express their basic needs in specific situations and use the necessary language expressions to communicate through the four language skills in accordance with their level of language. After completing this course, students are expected to be able to practice basic language skills.

References

Mahmud, Taha Muhammed. (1984). *Al-Ta'bÊr al-Muwajjah li al-Mubtadi'Ên min Ghayri al-NÊliqÊn bi al-'Arabiyyah*. Riyadh: Jami'at Al Malik Sa'ud.

Sha'ban, Muhammed Adil, Fadl Allah, Muhammad al-Fatih & Sini, Mahmud Ismail. (1985). *Al-Qir'ah al-Muyassarah: Silsilah fÊ al-'Arabiyyah li al-NÊliqÊn bi GhayrihÊ*. Vol. 1. Saudi: Jami'at Al Malik Sa'ud.

Sini, Mahmud Ismail, Abul Aziz, Nasif Mustafa & Hussain, Mukhtar Al Tahir. (1983). *Al-'Arabiyyah li al-NÊshi'Ên*. Vol 1. Riyadh: Wizarat Al Ma'arif.

AA1207 | Arabic 2

This course aims to develop what the students have learned in the previous course regarding the four skills and provide them with a number of vocabulary and linguistic structures through topics related to Arab Islamic culture. The course also prepares them to use the language as a means of communication, and read Arabic texts that suit the limits of the vocabulary they have learned. After completing this course, students are expected to be able to use what they have learned in occasions and situations that suit their language level.

References

Mahmud, Taha Muhammed. (1984). *Al-Ta'bÊr al-Muwajjah li al-Mubtadi'Ên min Ghayri al-NÊliqÊn bi al-'Arabiyyah*. Riyadh: Jami'at Al Malik Sa'ud.

Sha'ban, Muhammed Adil, Fadl Allah, Muhammad al-Fatih & Sini, Mahmud Ismail. (1985). *Al-Qir'ah al-Muyassarah: Silsilah fÊ al-'Arabiyyah li al-NÊliqÊn bi GhayrihÊ*. Vol. 1. Saudi: Jami'at Al Malik Sa'ud.

Sini, Mahmud Ismail, Abul Aziz, Nasif Mustafa & Hussain, Mukhtar Al Tahir. (1983). *Al-'Arabiyyah li al-NÊshi'Ên*. Vol 1. Riyadh: Wizarat Al Ma'arif.

SU1203 | Fiqh Al-Ibadat (Fiqh of Worship)

The course covers the meaning of *'IbÉdÉt* (worships); its importance, characteristics, and objectives; definition of *ÙahÉrah* (purification) and types of water. *Wudu'* (ablution): its definition, obligations, recommendations and nullifiers, *Tayammum*. impurities and ways of purifying impurities; the conditions of prayer, times of prayers, essential requirements of prayers, recommendations of prayers and leadership in prayers; Friday and 'Ôd prayers; funeral prayers; *ZakÉh*: definition, conditions of payment and distribution and their rules; fasting: its definition, conditions, essential requirements, recommendations, and nullifiers, *KaffÉrah* of breaking the fasting; *I'tikÉf*: its meaning, conditions and rules; pilgrimage and *'Umrah*: their definition, rules, conditions, essential requirements, obligations, recommendations, nullifiers and prohibitions of *ÍrÉm*.

References

- Al-Haithami, Abdul Rahman. (n.d). *TuÍfah al-MuÍtéj fÉ SharÍ al-MinhÉj*. Cairo: Mustafa al- Halabi.
- Al-Khin, Mustafa et.al. (1991). *Al-Fiqh al-ManhajÉ 'AlÉ Madhhab al-ShÉfi'É*, 3rd ed. Damascus: Dar al-Qalam.
- Al-Nawawi, Muhyiddin Yahya ibn Sharaf. (n.d). *al-MajmÉ' SharÍ al-Muhazzab*. Cairo: Idarah al- Tiba'ah al-Muniriyyah.

UT2226 | Introduction to Quranic and Hadith Sciences

This course will explore and explain the importance and the ranking position of this subject in Islam; discover some of the applicable terminologies that are used in Qur'anic and Hadith Sciences; discover the important basic rules in understanding the texts and giving assessment whether it is strong or weak according to its firmness and semantics.

References

- Abdullah, Ismail & Abdul Manas, Shayuthy. (2006). *Introduction to the Sciences of Hadith*. 1st ed. Kuala Lumpur: Research Centre International Islamic University Malaysia.
- Denffer, Ahmad Von. (1983). *Ulum al-Qur'an: An Introduction to the Sciences of the Qur'an*. Leicester: The Islamic Foundation.
- Ushama, Thameem. (2002). *Issues in the Study of the Qur'an*. Kuala Lumpur: Ilmiah Publishers.

TM2201 | Technopreneurship

Technopreneurship focuses on fostering an entrepreneurial mindset within the technological landscape. Students learn to identify and capitalize on technological opportunities, develop business plans, secure funding, and navigate the challenges associated with starting and managing technology-driven ventures.

References

- Smith, J. A. (2023). *Technopreneurship Mastery: Nurturing an Entrepreneurial Mindset in Technology Ventures*. TechPress
- Entrepreneur, E. E. (2023). *Technopreneurship Mastery: Building Ventures in the Tech Era*. Publisher.

TM2202 | Troubleshooting in Digital System Technology

This course equips students with the skills to diagnose and troubleshoot issues in digital systems. Topics include hardware and software problem identification, troubleshooting methodologies, and preventive maintenance to ensure the reliability and functionality of digital systems.

References

Berkun, S. (2023). *Making things happen: Mastering project management*. O'Reilly Media.
McFarland, D. S. (2022). *CSS: The missing manual*. O'Reilly Media.

TM2203 | Software Applications

Software Applications is a practical course that provides hands-on experience with various software tools. Students learn to use applications for tasks such as document creation, spreadsheet analysis, presentation development, and project management.

References

McConnell, S. (2024). *Code complete: A practical handbook of software construction*. Microsoft Press.
Fowler, M. (2022). *Patterns of enterprise application architecture*. Addison-Wesley

Programme Required Courses (PRCs)**F002 - Bachelor of Islamic Data Science****TD1301 | Introduction to Programming**

Introduction to Programming is designed for students to learn the fundamentals of programming languages and software development. The course covers essential programming concepts, logic formulation, problem-solving techniques, and algorithm design. Students will gain hands-on experience with a high-level programming language, developing skills necessary for software development and computational problem-solving.

References

Downey, A. (2019). *Think Python: How to Think Like a Computer Scientist*. O'Reilly Media.
Silberschatz, A., Galvin, P. B., & Gagne, G. (2018). *Operating System Concepts*. Wiley.
McKinney, W. (2018). *Python for Data Analysis: Data Wrangling with Pandas, NumPy, and IPython*. O'Reilly Media.

TD1302 | Fundamentals of Islamic Data Science

Fundamentals of Islamic Data Science introduces the intersection of data science with Islamic studies. It covers the basics of data analysis, data visualization, and statistical methods applied to Islamic texts and contexts. The course emphasizes ethical considerations in data handling, specifically in religious and cultural contexts, while providing practical experience in data-driven research in Islamic studies.

References

- Provost, F., & Fawcett, T. (2013). *Data Science for Business: What You Need to Know about Data Mining and Data-Analytic Thinking*. O'Reilly Media.
- Shroff, G. (2013). *The Intelligent Web: Search, Smart Algorithms, and Big Data*. Oxford University Press.
- Isaca (2021). *Data Science Fundamentals Study Guide*.
- Kalita, J. K., Bhattacharyya, D. K. & Roy, S. (2023). *Fundamentals of Data Science: Theory and Practice*. Academic Press.
-

TD1303 | Introduction to Database Systems

Introduction to Database Systems provides a comprehensive overview of database design, development, and management. The course covers relational database models, SQL programming, data normalization, and transaction management. It also introduces NoSQL databases and new trends in database technology. Students will gain practical skills in designing and managing efficient, secure databases, crucial for modern data-driven environments.

References

- Elmasri, R., & Navathe, S. B. (2016). *Fundamentals of Database Systems*. Pearson.
- Silberschatz, A., Korth, H. F., & Sudarshan, S. (2020). *Database System Concepts*. McGraw-Hill Education.
- Date, C. J. (2012). *An Introduction to Database Systems*. Addison-Wesley.
-

TD1304 | Computational Thinking using Python

Computational Thinking using Python introduces the fundamental concepts of problem-solving and programming using Python. The course emphasizes computational thinking skills, algorithmic design, and the practical application of Python in various domains. Students will learn programming fundamentals, data structures, and basic algorithms, enhancing their ability to think logically and solve complex problems effectively.

References

- Matthes, E. (2019). *Python Crash Course: A Hands-On, Project-Based Introduction to Programming*. No Starch Press.
- Sweigart, A. (2019). *Automate the Boring Stuff with Python: Practical Programming for Total Beginners*. No Starch Press.
- Chavan, H. & Shaikh, S. (2022). *Introduction to DBMS: Designing and Implementing Databases from Scratch for Absolute Beginners (English Edition)*. BPB Publications.
-

TD1305 | Introduction to Cloud Computing

Introduction to Cloud Computing offers an in-depth understanding of cloud computing technologies, architectures, and services. The course covers cloud deployment models, virtualization, cloud storage, and cloud security. It also explores major cloud service providers and their offerings. Students will gain practical knowledge in implementing and managing cloud solutions, essential for modern IT environments.

References

- Rhoton, J., & Haukioja, R. (2019). *Cloud Computing: From Beginning to End*. Recursive Press.
- Comer, D. (2021). *The Cloud Computing Book: The Future of Computing Explained*. Chapman and Hall/CRC; 1st edition.
- Marinescu, D. C. (2022). *Cloud Computing: Theory and Practice*. Morgan Kaufmann; 3rd edition.
-

TD1306 | Introduction to Statistics

Introduction to Statistics provides foundational knowledge in statistical theory and practice. It covers descriptive statistics, probability theory, inferential statistics, hypothesis testing, and regression analysis. The course emphasizes the application of statistical methods to real-world problems, fostering critical thinking and analytical skills for data interpretation.

References

- Moore, D. S., Notz, W. I., & Fligner, M. A. (2013). *The Basic Practice of Statistics*. W.H. Freeman and Company.
- Çetinkaya-Rundel, M. & Hardin, J. (2021). *Introduction to Modern Statistics*. OpenIntro, Inc.
- Frost, J. (2020). *Introduction to Statistics: An Intuitive Guide for Analyzing Data and Unlocking Discoveries*. Jim Publishing.
-

TD1307 | Introduction to Big Data Technologies

Introduction to Big Data Technologies explores the concepts, tools, and technologies used in managing and analyzing large-scale data sets. This course covers big data fundamentals, data mining, machine learning, and data visualization. It also examines various big data technologies like Hadoop, Spark, and NoSQL databases. Students will learn to apply these technologies to derive insights from big data, a skill increasingly demanded in today's data-centric world.

References

- Francesco, C. (2019). *An Introduction to Data: Everything You Need to Know About AI, Big Data and Data Science*. Springer, 1st edition.
- Stanford, M. (2020). *The Age of AI: An Introduction to Big Data, Machine Learning and Neural Networks*.
- Sharma, R. & Choudhary, V. (2023). *Introduction to Big Data: Big Data and Its Applications*. LAP LAMBERT Academic Publishing.
-

TD2308 | Big Data Analytics

Big Data Analytics delves into analytical techniques for handling large, complex datasets. The course covers data mining, predictive analytics, and statistical modelling, focusing on extracting insights from big data. It incorporates practical exercises with leading big data tools and platforms, equipping students with skills crucial for data-driven decision-making in various industries.

References

- Balusamy, B., Abirami, N. R., Kadry, S., & Gandomi, A. (2024). *Big data: Concepts, technology and architecture*. Wiley.
- Chambers, B., & Zaharia, M. (2024). *Spark: The definitive guide: Big data processing made simple*. O'Reilly.
- Maheshwari, A. (2023). *Data analytics made accessible*. CreateSpace Independent Publishing Platform..
-

TD2309 | Information Retrieval

Information Retrieval provides a comprehensive understanding of techniques and systems used for organizing, searching, and retrieving information from digital repositories. The course includes topics on search algorithms, indexing, information filtering, and relevance feedback. Students will learn practical skills in developing and evaluating information retrieval systems, with an emphasis on web-based search engines.

References

- ECIR (2024). *Advances in information retrieval: 46th European conference on information retrieval*. Springer.
- Baeza-Yates, R., & Ribeiro-Neto, B. (2011). *Modern Information Retrieval*. Addison-Wesley.
- Crestani, Fabio, Stefano Mizzaro, and Ivan Scagnetto (2017). *Mobile Information Retrieval*. Springer.
-

TD2310 | Introduction to Data Visualization

Introduction to Data Visualization teaches the principles and techniques for visually representing data. The course covers design principles, data exploration, and storytelling with data. It emphasizes practical skills in using visualization tools and software to create impactful, informative visual representations of complex data sets.

References

- Hahn, M. G. (2024). *Introduction to data visualization*.
- Yau, N. (2013). *Data Points: Visualization That Means Something*. Wiley.
- Kirk, A. (2016). *Data Visualisation: A Handbook for Data Driven Design*. SAGE Publications.
-

TD2311 | Data Analytics with Python

Data Analytics with Python covers the use of Python programming language for data analysis. The course includes data manipulation, statistical analysis, and data visualization using Python libraries such as Pandas, NumPy, and Matplotlib. It is designed to equip students with practical skills in Python for data science applications.

References

- McKinney, W. (2018). *Python for Data Analysis: Data Wrangling with Pandas, NumPy, and IPython*. O'Reilly Media.
- Grus, J. (2019). *Data Science from Scratch: First Principles with Python*. O'Reilly Media.
- Miller, T. (2024). *Python for data analysis: A comprehensive guide*. Wiley.

TD2312 | Islamic Applications in Data Science

Islamic Applications in Data Science I focuses on the application of data science techniques in Islamic financial contexts, particularly Zakat (almsgiving) and Waqf (endowment). The course explores data-driven approaches to manage these Islamic financial practices, covering data analysis, modeling, and ethical considerations unique to the Islamic financial system.

References

- Sadeq, A. H. M. (2002). *Waqf, Perpetual Charity and Poverty Alleviation*. International Institute of Islamic Thought.
- Iqbal, Z., & Mirakhor, A. (2007). *An Introduction to Islamic Finance: Theory and Practice*. Wiley.
- El-Qorchi, M. (2005). *Islamic Finance Gears Up*. Finance & Development, IMF.
- Archer, S., & Karim, R. A. A. (Eds.). (2002). *Islamic Finance: Innovation and Growth*. Euromoney Books.
- Hanif, M., Chaker, M., & Sabah, A. (2024). *Islamic finance and economic growth: Global evidence*

TD2313 | Research Methodology

The main purpose of this course is to provide an overview of the fundamentals and principles of research methodology. Experimental and non-experimental research designs, as well as qualitative and quantitative designs, will be discussed. The course also aims to emphasize the importance of and need for research in the field of Islamic media and communication technology. It prepares students to plan and carry out research projects both in university and in the future.

The course also provides students with fundamental knowledge and understanding of data collection, statistics, and scientific research writing. Students will learn how to collect data, develop a basic vocabulary of statistics terms, and understand the utility and limitations of statistics.

References

- Fernandez, V. (2020). *Fundamentals of Research Methodology*. Terrassa: OmniaPublisher SL.
- Flick, U. (2020). *Introducing Research Methodology: Thinking Your Way Through Your Research Project*. Third Edition. California: SAGE Publishing.
- Hilton, T.P., Fawson, P.R., & et al. (2019). *Applied Social Research: A Tool for the Human Services*. (10th ed.). New York: Springer Publishing.
- Kothari, C.R. (2019). *Research Methodology: Methods & Techniques*. Delhi: New Age International (p) Limited, Publishers.

TD3314 | Data Science Project 1

Data Science Project 1 is a supervised research experience where students develop and execute a research project in a chosen field of study. This course emphasizes research methodology, literature review, data collection, and analysis. It provides students with practical experience in conducting academic research, preparing them for more advanced studies or professional roles.

References

Shah, C. (2022). *A Hands-On Introduction to Data Science*. Cambridge University Press.
Klosterman, S. (2022). *Data Science Projects with Python*. Packt Publishing.
Kleppmann, M. (2022). *Designing Data-Intensive Applications*. O'Reilly Media.

TD3315 | Machine Learning

Machine Learning offers a comprehensive study of algorithms and statistical models that enable computers to perform tasks without explicit instructions. The course includes supervised and unsupervised learning, neural networks, and deep learning. It emphasizes practical applications and the development of algorithms for predictive modeling and data analysis.

References

Géron, A. (2022). *Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow* (3rd ed.). O'Reilly Media.
Singh, M. (2023). *Machine Learning with PyTorch and Scikit-Learn*. Packt Publishing.
Müller, A. C., & Guido, S. (2022). *Introduction to Machine Learning with Python* (2nd ed.). O'Reilly Media.

TD3316 | Cybersecurity

Cybersecurity introduces students to the principles and practices of securing computer systems and networks. The course covers threat analysis, cryptography, risk management, and ethical hacking. It aims to equip students with practical skills in protecting information and infrastructure in the digital age.

References

Chapple, M., Stewart, J. M. & Gibson, D. (2018). *Certified Information Systems Security Professional Study Guide*. Sybex.
Cybersecurity Essentials by Charles J. Brooks, Christopher Grow, Philip Craig, & Donald Short (2018). Wiley.
Computer Security: Principles and Practice by William Stallings & Lawrie Brown (2021). Pearson.

TD3317 | Data Structures and Algorithms

Data Structures and Algorithms provides an in-depth understanding of fundamental data structures and algorithms used in computer science. The course covers arrays, linked lists, stacks, queues, trees, graphs, sorting, and searching algorithms. It emphasizes

algorithm analysis and problem-solving techniques, critical for efficient software development.

References

- Karumanchi, N. (2020). *Data Structures and Algorithms Made Easy*. CareerMonk Publications.
- Edgewick, R., & Wayne, K. (2022). *Algorithms* (4th ed.). Addison Wesley.
- Brass, P. (2022). *Advanced Data Structures*. Columbia University Press.
-

TD3318 | Islamic Ethics for Data and Privacy

Islamic Ethics for Data and Privacy explores the ethical implications of data collection, storage, and usage within an Islamic framework. The course covers privacy concerns, data protection principles, and ethical decision-making in the context of Islamic law and morality. It aims to instill a sense of ethical responsibility in handling data, particularly in sensitive cultural and religious contexts.

References

- Al-Rodhan, N. R. F. (2015). *The Role of the Arab-Islamic World in the Rise of the West: Implications for Contemporary Trans-Cultural Relations*. Palgrave Macmillan.
- Shukla, S., George, J. P., Tiwari, K., & Kureethara, J. V. (2024). *Data Ethics and Challenges*. Springer.
- Hasselbalch, G., & Tranberg, P. (2021). *Data Ethics: The New Competitive Advantage*. Routledge.
-

TD3319 | Data Science Project 2

Data Science Project 2 is an advanced continuation of the research initiated in Data Science Project 1. It allows students to deepen their investigation, focusing on data collection, advanced analysis, and interpretation of results. The course culminates in a comprehensive research paper or project, demonstrating scholarly competence and contributing to the field of study.

References

- Creswell, J. W., & Creswell, J. D. (2017). *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches*. SAGE Publications.
- VanderPlas, J. (2020). *Python Data Science Handbook*. O'Reilly Media.
- Géron, A. (2024). *Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow* (3rd ed.). O'Reilly Media.
-

TD3320 | Advanced Emerging Technologies

Advanced Emerging Technologies covers the latest advancements in technology and their potential impacts on society and industry. The course includes topics on artificial intelligence, blockchain, Internet of Things (IoT), and quantum computing. It aims to provide students with an understanding of these cutting-edge technologies and their applications in real-world scenarios.

References

- Schwab, K. (2017). *The Fourth Industrial Revolution*. World Economic Forum.
- Pattabiraman, L., & Pathak, N. (2022). *Emerging Technologies in Data Mining and Information Security: Proceedings of IEMIS 2022, Volume 3*. Springer.
- Krishnan, A., Ravindran, B., & Balasubramanian, B. (2020). *Emerging Nanomaterials for Advanced Technologies*. Springer..
-

TD3321 | Natural Language Processing

Natural Language Processing (NLP) focuses on the interaction between computers and human language. The course explores techniques for processing and analyzing large amounts of natural language data. Topics include text mining, sentiment analysis, and machine translation. Students will learn to apply NLP algorithms for practical applications in various fields.

References

- Lane, H., Dyshel, M., Howard, C., & Hapke, H. (2020). *Natural Language Processing in Action* (2nd ed.). Manning Publications.
- Lee, R. S. T. (2022). *Natural Language Processing: A Textbook with Python Implementation*. Springer .
- Jurafsky, D., & Martin, J. H. (2024). *Speech and Language Processing* (3rd ed.). Pearson.
-

TD3322 | Deep Learning

Deep Learning provides a detailed exploration of deep learning techniques in artificial intelligence. The course covers neural networks, convolutional neural networks, recurrent neural networks, and their applications in areas like image and speech recognition. It emphasizes both the theoretical foundations and practical implementations of deep learning models.

References

- Stevens, E., Antiga, L., & Viehmann, T. (2020). *Deep Learning with PyTorch*. Manning Publications.
- Chollet, F. (2022). *Deep Learning with Python* (2nd ed.). Manning Publications.
- Gibson, A., & Patterson, J. (2024). *Deep Learning: A Practitioner's Approach*. O'Reilly Media
-

TD3323 | Data Communication and Networking

Data Communication and Networking offers a comprehensive understanding of the principles and practices of data communication and computer networks. The course covers network architecture, protocols, network security, and the latest trends in network technology. Students will gain practical skills in designing, implementing, and managing computer networks in various settings.

References

- Data Communications and Networking with TCP/IP Protocol Suite, 6th Edition (2020) by Behrouz A. Forouzan, McGraw-Hill Education.
- Data and Computer Communications, 11th Edition (2024) by William Stallings Pearson Education, McGraw-Hill Education.

Business Data Communications and Networking, 14th Edition (2020) by Jerry FitzGerald, Alan Dennis, and Alexandra Durcikova, McGraw-Hill Education.

KL2324 & KL3324 | Industrial Training 1 & Industrial Training 2

This course will enable students to get the best practical training within the particular time frame; gain firsthand experience outside of the university by working in a professional organization; get trained by either government or private sector; apply their technical knowledge to real-life situations; have the opportunity to work with other professionals; and further develop technical, interpersonal and communication skills, both oral and written. As one of the compulsory courses for UNISSA undergraduate and postgraduate diploma students to complete, this programme provides opportunities for students to undergo LI training at local or overseas organisations from 9 to up to 20 weeks in accordance with the requirements approved by the UNISSA council.

Minor Programme

Minor in Contemporary Da'wah [Faculty of Usuluddin]

MANDATORY COURSES

UA3104 | Introduction to Da'wah

The content of this course: The definition of Islamic *da'wah*, tasks and responsibilities of *da'wah*, objectives of *da'wah*, *da'wah* and characters of *Da'i*, responsibilities and qualification of *Dā'i*, strategies of *da'wah*, challenges and solutions in contemporary *da'wah*.

References

- Ibn Hisyam, 'Abdullah (n.d). *Al-Sīrah al-Nabawiyah*. Beirut: Dar al-Jeel.
 Nasr, Seyyed Hossein. (1964). *Traditional Islam in the Modern World*. London: Kegan Paul.
 Rahman, Fazlur. (1982). *Islam and Modernity: Transformation of an Intellectual Tradition*.
 Chicago: University of Chicago Press.

UM3004 | Tafsir

The introduction of *Tafsīr*, its definition, its gradual development, its categories, the explanation of the important rules and principles in *Tafsīr*, the needed appliances by the interpreter, explanation of the rules in interpretation the meaning of the Qur'ān, and which may not be allowed and may not be benefits. The course will focus on the exegesis of leading Qur'ān interpreters on the last three parts of the Qur'an (parts 28, 29 and 30).

References

- Al-Jumal, al-Sheikh Sulayman ibn Umar al-'Ajali al-Shafi'i. (1994). *Al-Futuhāt al-Ilāhiyyah bi Taudīh Tafsīr al-Jalālayn li al-Daqa'iq al-Khafīyyah*. Beirut: Dar al-Fikr.
 Al-Mubarakpuri, Shaykh Saifur Rahman, (2003). *Tafsīr Ibn kathīr*. Riyadh: Darussalam.
 Ushama, Thameem (2013). *History and Sciences of the Qur'an*. Malaysia: IIUM Press.

UM3005 | Hadith

The course will include the selection of some *Ahadith* with brief explanation from the forty Hadith of al-Imam an-Nawawi, on various topics, such as the importance of intention, definition of Islam, *Iman* and *Ihsan*, pillars of Islam, man's development and final deeds, prohibition of innovation in religion, avoidance of doubtful matters, religion is sincerity, obedience to the prophet PBUH, good character, avoiding sins, shame and shyness, some attributes of Allah righteousness and wrongdoing, social behavior. The focus will be on objectives and legal injunctions deduced from the Hadith.

References

- Al-Bugha, Mustafa and Misto, Muhyiddin. (1420AH/1999AD). *Al-Wafī fi Sharh al-Arba'in al-Nawawīyyah*. Damascus: Dar Ibn Kathir.
 Abdullah, Abdul Manas, Ismail, Shayuthy, (2006). *Introduction to the Sciences of Hadith*. Malaysia: Research Centre, IIUM.

Muhammad, Umm, (1999). *The Forty Hadith of al-Imam an-Nawawi*. Saudi Arabia: Abdul-Qasim Publishing House.

OPTIONAL COURSES (any TWO courses)

UA3105 | Islamic Media

The content of this course includes, but not limited to, defining Islamic media academically and linguistically, modern tools of communications including social media, stature of media in Islam and its importance in propagating the faith; development of Islamic media outlets compare to secular non-Islamic media; fundamentals and characteristics of media based on Islamic teachings; principles of media as reported through the teaching of the Qur'Ēn and the guidance of the Prophet Muhammad PBUH. The performances and outcomes of Islamic media along with Islamic ethics are to be observed in all media techniques and methods; examples of contemporary Islamic media from newspapers, magazines, radio and TV, satellite channels, Islamic online web pages, social media tools, challenges faced by Muslim communities via global media reporting and find ways and means for enhancing better understanding of Islam in the media.

References

- Ab. Razak, A. and A. Abdul Majeed, (eds.). (2002). *Enhancing the Understanding of Islam for the Media*. Kuala Lumpur: Institute of Islamic Understanding Malaysia.
- Bunt, G. R. (2000). *Virtually Islamic: Computer-Mediated Communication and Cyber Islamic Environments*. Cardiff, UK: University of Wales Press.
- Mowlana, H. (1998). "Covering Islam: Media and Its Impact on Muslim Identity". International Conference on Muslim Identity in the 21st Century: Challenges of Modernity. School of Oriental and African Studies, University of London.

UM3003 | Studies in World Religion

This course is an introduction to world major religions from an Islamic viewpoint. It will explore religious communities such as Hinduism, Buddhism, Judaism, Christianity, Chinese religions and native traditional believe systems as known in Brunei Darussalam. What do religious communities have in common, and what distinguishes them from each other? The contents of this course will focus on how Muslim students understand the discipline of studying "World Religions" and/or "Comparative Religion" as known among contemporary Muslim intellectuals and Islamic institutions. Specifically, this course will survey world major religions including topics such as their socio-historical background, philosophy, worship, rituals, sects, institutions, women status, "fundamentalist" movements, modern lifestyles and Qur'Ēnic perspective. Other issues such as maintenance of religious identity; the media; diversity, secularization in the western society, will briefly be explored.

References

- Al-Biruni, A, (d. 1048). *Al-Biruni's India: An Account of the Religion, Philosophy, Geography, Chronology, Astronomy, Custom, Laws and Astrology of India about AD 1030*. Edward

C. Sachau, (ed.), trans., with notes and indices. London: Kegan Paul, Trench, Trubner and Co., 1910.

Al-Faruqi, I. R. (1998). *Islam and Other Faiths*. Ataullah Siddiqui (ed.). Leicester, England: The Islamic Foundation.

Kazi, A. K. and J. G. Flynn, (1984), "*Introduction to Muhammad b. 'Abd al-Karim Shahrastani*". Muslim Sects and Divisions. London: Kegan Paul International.

UM3006 | Contemporary Thoughts

Definitions of the intellectual invasion and contemporary ideologies such as theory of Darwinism, Freemasonry, Zionism, Nationalis and its relationship with colonialism, Secularism, Liberalism, Sisters in Islam and its relationship with orientalist and missionaries, Baha'ism, Ahmadiyah and Qadiyani movement which include developments and goals of each ideologies and highlights the Islamic views of these ideologies.

References

Al-Samuk, Sam'oun Mahmud. 2006. *Fi al-Mazahib al-Gikriyyah al-Mu'asirah*. Amman: Dar Wail li al-Nashr wa al-Tauzi'.

Qutb, Muhammad. (1988). *Mazahib Fikriyyah Mu'asirah*. 3rd ed. Dar al-Syuruq.

Yasin Ghadban. 2012. *Madkhal li Dirasat al-Islam wa al-Mazahib al-Mu'asirah*. Amman: Dar al-'Ilam.

UM3007 | Tauhid

The definition of the science of *al-Tawhid* and its three sections: divinities, prophecies, *al-Sam'iyyat*; the legitimacy of these knowledge and belief. The nature of Allah and His compulsory, permissible and impermissible attributes. The method of theologians in proving the existence of Allah and his attributes, analogical texts and stand of the predecessor and successor toward it. *Qada'* and *Qadar* (predestination), human free will. The concept of prophecy and divine mission, the human need towards it. Attributes which are compulsory, permissible, and impermissible for the Prophets. *Khatm al-Nubuwwah* (seal of the Prophets) and universal message of Muhammad PBUH. Miracles and miraculous of Quran. *Sam'iyyat* (transmitted knowledge) and its content: concept of death and *barzakhiyyah*, end of time and its signs, resurrection and its horrors, heaven and pleasures, hell and torment.

References

Al-Buti, Muhammad Said Ramadan. (1402H). *Kubra al-Yaqiniyyat al-Kawniyyah*. Dar al-Fikr.

Al-Ghazali, Abu Hamid Muhammad. (1988). *Al-Iqtisad fi al-I'tiqad*. Beirut: Darul Kutub al-'Ilmiyyah.

Al-Shafi'i, Mahmud. (1991). *Al-Madkhal Ila Dirasat 'Ilm al-Kalam*. 2nd ed. Cairo: Maktabah Wahbah.

UM3008 Tasawwuf

Tasawwuf, its lextical root and technical meaning and its Qur'anic and prophetic basis, views on the sources of Tasawwuf, the emergence of Tasawwuf and its relation

to asceticism and worship, the link between Tasawwuf and aqidah, Shariah and ethics, notification of the most renowned Sufi Orders (Qadiriyyah, Syaziliyyah and Naqshabandiyyah), spiritual stations and positions among Sufis such as tawba, wara' and tawakkul, some of the major issues in Tasawwuf such as al-hulul, al-ittihad and wahdat al-wujud in the light of the analytical views of the sufi Masters and their training methods.

References

- Imam Ghazali. (n.d). *I'ýÉ' 'UlËm al-DËn* (The Book of Knowledge). Nabih Amin Faris (Trans.). New Delhi: International Islamic publishers
- Al-'Aid, Abd al-Latiff Muhammad. (1999). *Al-Ta'lawwuf fË al-IslËm wa Aham al-I'tirËËt al-WËridah* 'Alayh. Cairo: Dar al-Nasr li al-t'Tauzi' wa al-Nashr.
- Al-Kurdi, Muhammad Dhiyaa al-Deen. (1971). *Nash'ah al-Ta'lawwuf al-IslËmi*. Cairo: Al-Matba'ah al-Fanniyyah.

Minor in Law

[Sultan Haji Hassanal Bolkiah Faculty of Law]

MANDATORY COURSES

LB1301 | CONSTITUTIONAL AND ADMINISTRATIVE LAW I

This course commences with some historical perspectives of the Constitution of Brunei Darussalam. This is followed by the discussion on the conventional fundamental constitutional concepts; the Rule of Law; the Separation of Powers; the Royal Prerogative; and Sovereignty, with special focus of these concepts in the Bruneian constitution. The course will also discuss the structures and roles of the institutions of a State, including the Executive, Legislature and Judiciary, and the relationship between the individuals and the State, citizenship, immigration, and the State security. Some comparative aspects of constitutional law will also be covered, including Commonwealth constitutional relations.

References

- Carroll. A. (2007). *Constitutional and Administrative Law*. 4th ed. Essex: Pearson Education Limited.
- Elliott, C. & Quinn, F. (2007). *English Legal System*. 8th ed. Essex: Pearson Education Limited.
- Faruqi, Shad Saleem. (2008). *Document of Destiny: The Constitution of the Federation of Malaysia*. Petaling Jaya: The Star Publications (M) Bhd.

SL2302 | Introduction to Law and Legal System in Brunei

The course contains the study of the fundamental concepts, structures, and functions of the legislature and the role of the judiciary, which includes the role of law in the society; sources of law; the court system in administration of justice; alternative dispute resolution; legal reasoning; statutory interpretation; and some basic laws, such as constitutional law, law of tort, criminal law, and law of contract.

References

- Catherine Elliot and Frances Quinn – English Legal System, Pearson & Longman, 9th edn (2008)
- Ingman, T. (2008). *The English Legal Process*. 12th ed. Oxford: Oxford University Press.
- Siti Zaliha binti Haji Abu Salim (2007) – Sistem Kehakiman Brunei: Satu Kajian Perbandingan dengan Sistem Kehakiman Islam, Brunei, Universiti Brunei Darussalam
-

SJ4310 | Kanun Jenayah Syariah

Kursus ini mengandungi kajian berkaitan sifat, tujuan dan skop Kanun Keseksaan Brunei (Perenggan 22). Tumpuan akan diberikan kepada jenis-jenis kesalahan seperti yang terdapat dalam Kanun tersebut, termasuk kesalahan bunuh, mencederakan orang rogol, curi, rompakan dan lain-lain lagi; prinsip-prinsip undang-undang jenayah, prinsip-prinsip am seperti, kesilapan (*mistake*), kemalangan, ugutan, keperluan (*necessity*), persetujuan dan hak-hak pertahanan diri. Kajian perbandingan undang-undang jenayah Islam dengan Kanun Keseksaan Brunei (Perenggan 22) juga akan dibincangkan dari semasa ke semasa.

References

- Anwarullah. (1997). *The Criminal Law of Islam*. Kuala Lumpur: A.S. Noordeen Publisher.
- Chandrachud, Y.V. & Manohar V.R. (Eds.) (2007). *Ratanlal's & Dhirajlal's Law of Crimes: A Commentary on the Penal Code*. 26th ed. New Delhi: Bharat Law House.
-

OPTIONAL COURSES (any TWO courses)

LS4306 | Principles Of Islamic Jurisprudence I

Definition of Usul al-Fiqh. Subject-matter of Usul al-Fiqh. Distinction between Usul al-Fiqh and fiqh. Emergence and development of Usul al-Fiqh. Approaches to writing in Usul al-Fiqh. The origin of Syariah (the Lawgiver). The nature and conditions of taklif. Legal capacity: meaning, types and causes of deficiency. Classification of hukm: the obligatory, the forbidden, the recommended, the disapproved of, and the permissible; including the concepts of rukhsah and 'azimah.

References

- Alwani, Taha Jabir Fayyad. (1990). *Source Methodology in Islamic Jurisprudence: Usul al-Fiqh al-Islami*. Herndon, Va. USA: International Institute of Islamic Thought.
- Kamali, Mohammad Hashim (2003). *Principles of Islamic Jurisprudence*. UK: Islamic Texts Society.
- Nyazee, Imran Ahsan Khan (2000). *Islamic Jurisprudence*. Islamabad: The International Institute of Islamic Thought.
-

LB4305 | Business Law

The course covers the study of concepts, principles and application of the laws and regulations relating to the sale of goods, agency, hire purchase and employment. The study discusses relevant statutory provisions, case law and application of various legal concepts on these areas of law.

References

- Lee Mei Pheng & Detta, I.J. (2009). *Business Law*. Shah Alam: Oxford University Press
- Keenan, D. & Riches, S. (2007). *Business Law*. 8th ed. Essex: Pearson Education Ltd.
- Adams, Alix, Law for Business students, (2008).5th ed. England: Pearson Education Limited
- Keenan, D. & Riches, S. (2007). *Business Law*. 8th ed. Essex: Pearson Education Ltd.
-

LS4306 | Islamic Family Law

The course focuses on the relevant marital issues, such as the importance and role of family, un-Islamic alternative practices of marriage (adultery, temporary marriage, illegal cohabitation, same-sex marriage), required characteristics of spouse, *kafa'ah* in marriage, betrothal and its rulings, solemnization of marriage and its rulings, conditions, essential requirements, and legal effects (dowry, maintenance, property ownership, paternity), unlawful marriage, polygamy, fosterage, types and rulings in dissolution of marriage as well as its legal effects such as period of abstention, maintenance, guardianship and *mut'ah*. It includes the discussion on the Syariah legal rulings, provisions in the law supported by the case law studies

References

- Mohamad Som bin Sujimon dan Abdul Basir bin Mohamad (2006). *Fikah Kekeluargaan*. Kuala Lumpur: UIAM.
- Najibah Mohd. Zin (2016). *Islamic Family Law in Malaysia*. Kuala Lumpur: Sweet & Maxwell Thomson Reuters.
- Nasser Hamid (ed.). (2010). *Islamic Family Law: Cases & Materials*. (maintain Mohamad Som Bin Sujimon)
-

LS5303 | Law of Evidence in the Shariah Court

The meaning of Islamic law of evidence; the importance of evidence in the court; Islamic maxims relating to Islamic law of evidence; proceeding; essential requirements and conditions of Islamic law of evidence; discussion on some methods of evidence in Islamic law including *iqrar* (admission), *shahadah* (witness), *yamin* (oath), *qasamah* (collective oath relating to a murder), *qafah* (genetic evidence), *qarinah* (circumstantial evidence), *qur'ah* (lucky draw), *Ilm al-qadi* (the knowledge of the judge), *kitabah* (written documents), sections of the law and cases of Islamic law of evidence act.

References

- Abdul Muin Abdul Rahman. 1999. *Witnesses in Islamic Law of Evidence*: Malaysia: Pelanduk Publication
- Mohammed Burhan Arbouna, 1999. *Islamic Law of Evidence: The Function of Official*

Documents in Evidence A Comparative Study with Common Law: Malaysia Syarikat Nurulhas Publication

Perintah Keterangan Mahkamah Syariah, 2001. Brunei Darussalam: Jabata Percetakan Negara.

LS4302 | Contemporary Issues in Fiqh

The study covers the following topics: cloning, organ transplantation, surrogate motherhood, milk banks, hymenoplasty, cosmetic surgery, fetus gender selection, abortion, acting, painting, making statues (sculpturing) and music; among others.

References

Al Qirra Daggy, 'Ali 'Al Muhammady Ali Yousif. (2005). *Fiqh al Qadaya al Tibbiya al Muassara*. Beirut: Dar al Bashair.

Yassin, Mohamed naiem. (1996). *Abhath Fiqhyiah Fi Kadaya Fikhyia Muassara*. Amman: Dar el Nafaais.

Al-Zuhayli, Wahbah. (2006). *Qadhaya al-Fiqh wa al-Fikr al-Moasir*. Damascus: Dar Al-Fikr.

Minor in Shariah [Faculty of Shariah]

MANDATORY COURSES

SU4308 آيات وأحاديث الأحكام

التعريف بمفهوم آيات الأحكام وأحاديث الأحكام، وتشتمل آيات وأحاديث الأحكام المجالات المتعددة: العبادات، المعاملات، الأحوال الشخصية، الجنائيات.. الخ. وتتضمن هذه المادة دراسة آيات قرآنية وأحاديث نبوية مختارة تتعلق بالموضوعات الآتية: نواقض الوضوء، وصلاة الجماعة، وصلاة المسافرين، والزكاة، والرضاع، والحضانة، والنفقة، والخلع، والقرض، والربا، والرهن، والذبائح، والسحر، والخمر، والقذف، والقصاص.

المراجع:

الشافعي، محمد بن إدريس، أحكام القرآن، تحقيق عبد الغني عبد الخالق، (بيروت: دار الكتب العلمية، 1400م).
الصابوني، محمد علي، روائع البيان في آيات الأحكام، (بيروت: المكتبة العصرية للطباعة والنشر، 2003م).
القرطبي، أبو عبد الله محمد بن أحمد، الجامع لأحكام القرآن، تحقيق هشام سمير البخاري، (الرياض: دار عالم الكتب 1423هـ/ 2003م).

SU4304 مقاصد الشريعة

تعريف مقاصد الشريعة، لمحة عن تاريخ التأليف فيها، أهمية التعرف عليها، تقسيماتها، طرق التعرف عليها، الكليات الخمس وكيفية حفظ الشارع لها (حفظ الدين، حفظ النفس، حفظ النسل، حفظ العقل، حفظ المال)، منهج الشريعة في الموازنة بين المصالح والمفاسد، مقاصد الشارع من وضع الشريعة للتكليف، مقاصد الشارع من وضع الشريعة للامتنان، مقاصد المكلف وعلاقتها بمقاصد الشارع.

المراجع:

الريسوني، أحمد، نظرية المقاصد عند الإمام الشاطبي، (فرجينيا: المعهد العالي للفكر الإسلامي 1992م).
النجار، عبد المحيد، مقاصد الشريعة بأبعاد جديدة، (بيروت: دار الغرب الإسلامي، 2006م).
عطية، جمال الدين، نحو تفعيل مقاصد الشريعة، ط2، (دمشق: دار الفكر، 2000م).

القواعد الفقهية SU3304

تعريف القاعدة الفقهية والفرق بينها وبين القاعدة الأصولية، علم القواعد الفقهية: تاريخه، أهميته، كتبه، الفرق بينه وبين علم أصول الفقه، القواعد الفقهية الخمس: الأمور بمقاصدها، الضرر يزال، العادة محكمة، المشقة تجلب التيسير، اليقين لا يزول بالشك، شرح معاني تلك القواعد الخمس، وبيان مصادر استمداها، القواعد الفقهية المتفرعة من تلك القواعد الأساسية، أمثلة من التطبيقات الفقهية لتلك القواعد، والاستثناءات الواردة عليها.

المراجع:

البورنو، محمد صدقي، الوجيز في القواعد الفقهية الكلية، ط4، (بيروت: مؤسسة الرسالة 1416هـ/ 1996م).
الزركشي، بدر الدين محمد بن بهادر، المنثور في القواعد، تحقيق تيسير فائق، ط2، (الكويت: شركة دار الكويت للصحافة، 1405هـ/ 1985م).
السيوطي، عبد الرحمن بن أبي بكر، الأشباه والنظائر، (بيروت: دار المعرفة، 1973م).

OPTIONAL COURSES (any TWO courses)

أصول الفقه I SU1301

تعريف علم أصول الفقه، والفرق بينه وبين الفقه، وأهميته في الدراسات الشرعية والقانونية، وموضوعاته. لمحة عن نشأة أصول الفقه وتاريخ تدوينه ومناهج التأليف فيه. الحكم الشرعي وأنواعه الخمسة. الحكم الوضعي وأنواعه. الرخصة والعزيمة. الحاكم. المحكوم فيه وشروط التكليف. المحكوم عليه ومباحث الأهلية.

المراجع:

زيدان، عبد الكريم، الوجيز في أصول الفقه (بيروت: مؤسسة الرسالة، 1998م)
الزحيلي، وهبة، أصول الفقه الإسلامي (بيروت: مؤسسة الرسالة، 2000م)
الغزالي، أبو حامد، المستصفى من علم الأصول (بيروت: دار إحياء التراث العربي، مؤسسة التاريخ العربي، د. ت)

أصول الفقه II SU2301

تعريف الدليل الإجمالي، والفرق بينه وبين الدليل التفصيلي. الأدلة المتفق عليها (القرآن، والسنة، والإجماع، والقياس)، حجيتها، والمسائل المتعلقة بها. الأدلة المختلف فيها (الاستحسان، والمصالح، والعرف، والذرائع، وشرع من قبلنا، وقول الصحابي، والاستصحاب)، حجيتها، والمسائل المتعلقة بها.

المراجع:

الرازي، فخر الدين محمد بن عمر، المحصول في علم أصول الفقه، ط1، (بيروت: دار الكتب العلمية، 1988م).
الزحيلي، وهبة، أصول الفقه الإسلامي، (بيروت: مؤسسة الرسالة، 200م).
زيدان، عبد الكريم، الوجيز في أصول الفقه، (بيروت: مؤسسة الرسالة، 1998م).

قه المناكحات SJ2301

أهمية الأسرة على صعيد الفرد والمجتمع. نَقْد الممارسات البديلة للزواج الشرعي وتكوين الأسرة (الزنا، ونكاح المتعة، لي الجنس). الصِّفَات المطلوبة في شريك الزواج. الكفاءة وأحكامها. الخطبة وأحكامها. النِّكاح: والتَّسَاكُن، وزواج مني حكمه، وشروطه، وأركانها، وأحكامه، وآثاره. الأَنْكحة المحرَّمة في الإسلام. تعدُّد الزوجات: حُكْمُهُ وَجَكْمُهُ وشروطه. المهر ووليمة الزفاف وأحكامهما. المَحْرَمية بالنَّسب والرِّضَاع والمصاهرة. كِفَالَةُ الْيَتِيمِ والتَّبَنِي والفرق بينهما. فُرُق النِّكاح: أنواعها وأحكامها. النَّفَقَات. العِدَّة والإِدَاد.

المراجع:

مغني المحتاج إلى معرفة ألفاظ المنهاج، (بيروت: دار الفكر. د.ت). الشربيني، محمد الخطيب، الزحيلي، وهبة، الأسرة المسلمة في العالم المعاصر، (دمشق: دار القلم، د.ت) الخن، مصطفى، وآخرون، الفقه المنهجي على مذهب الإمام الشافعي، ط7، (دمشق: دار القلم، 1427هـ/2006م).

فقه منتجات الحلال SU4301

تحتوي هذه المادة على تعريف الحلال والحرام، بيان حقيقة منتجات الحلال وأنواعها وأهدافها، ومصادرها، والضوابط الشرعية لمنتجات الحلال المختلفة؛ الغذائية والتجميلية والصحية، وأحكام الذبائح والصيد والأضحية والعقيقة، وأحكام المنتجات المعدلة جينياً، والحكم الشرعي في استخدام المواد الكيماوية في حفظ المنتجات الغذائية والأشربة، وحكم استخدام الأسمدة والمياه النجسة في الإنتاج الزراعي، وأحكام المواد المستحالة وتطهير النجاسات، والرقابة الشرعية على المنتجات بصفة عامة.

المراجع:

أحمد محمد إسماعيل، أحكام الذبح والمستجدات المتعلقة به في الفقه الإسلامي. د.ط. (الإسكندرية: دار الجامعة الجديدة، 2004م).
ازدهار بنت محمود بن صابر المدني، أحكام تجميل النساء في الشريعة الإسلامية، ط1، (الرياض: دار الفضيلة، 1422هـ/2002م).
الخن، مصطفى وآخرون، الفقه المنهجي على مذهب الإمام الشافعي. ط7. (دمشق: دار القلم، 2006م).

مسائل الفقهية المعاصرة SJ3306

الاستنساخ. نقل الأعضاء البشرية. استئجار الأرحام. بنك اللبن البشري المختلط. رتق غشاء البكارة. عمليات التجميل. تحديد نوع الجنين. إجهاض الجنين. التلقيح الاصطناعي. مهنة التمثيل. التصوير والنحت. الموسيقى.

المراجع:

القره داغي، علي محي الدين، المحمدي، علي يوسف، فقه القضايا الطبية المعاصرة ط 1، (بيروت: دار البشائر، 2005م).
السالوس، علي أحمد، موسوعة القضايا الفقهية المعاصرة والاقتصاد الإسلامي، (دوحة: دار الثقافة، 1996م).
الشافعي، محمد فريد، خلف، عبد الجواد، دراسات في قضايا الفقه المعاصرة (مصر: دار البيان، 2006م).

Minor in Translation
[Faculty of Arabic Language]

MANDATORY COURSES**AA1204 | Istikhdam Al-Teknolojiyya Fi Al-Lughah Wa Al-Tarjamah (The use of technology in Language and Translation)**

This course prepares students to learn the basic knowledge, techniques, and values of using technology to learn Arabic as non-Arabs and to acquire translation skills. At the end of the study, it is expected that learners will be able to benefit from various content areas, especially in the aspect of teaching and learning theories using new tools, and the principles of employing them in designing courses in teaching and learning, for the

purposes of raising the level of teaching experiences in learning the subject matter together with the tasks of assessing the academic outcome using both traditional and innovative technologies. All social, ethical, and legal responsibilities will be taken into consideration.

هذه املادة متهد الدارسني لاطالع على امعارف والتقنيات والقيم الأساسية يف استخدام التكنولوجيا يف تعلم اللغة العربية كغري العرب واكتساب مهارات الرتمة. يف هناية الدراسة، من املتوقع أن يكون الدارسون قادرين على الاستفادة من مختلف جمالت املتوى، وخاصة يف جانب نظريات التعليم والتعلم باستخدام الأدوات املمستحدثة، ومبادئ توظيفها يف تصميم امقررات يف التعليم والتعلم ورفع مستوى خربات التدريس يف تعلم املادة الدراسة ومهام تقييم احلصيلة الدراسية باستخدام التكنولوجيات التقليدية واملمستحدثة على حد سواء، مع الأخذ يف الاعتبار مجيع املمسؤولية الاجتماعية والأخلاقية والقانونية

References

- خورشيد، إبراهيم زكي. (1985م). *الترجمة ومشكلاتها*. القاهرة: الهيئة المصرية العامة للكتاب.
- ديداوي، محمد. (1992م). علم الترجمة بين النظرية والتطبيق. تونس: دار المعارف للطباعة والنشر.
- Abukhudari, Arif Karkhi. (2008). *The Arabs and the Art of Translation*. Bandar Seri Begawan: Dewan Bahasa Pustaka

AA4326 | Tarjamah al-Nuġġs al-DĒniyyah (Translation of Religious Texts)

This course aims to provide students with a full idea of translating religious texts, their varieties, and their secrets. At the end of this course, students are expected to be able to translate religious texts and criticise various examples, know translation methods, and various issues. This course covers topics such as the origins and development of translation of religious texts, especially translation of the al-Qur'Ēn, and the views of scholars on them in both past and present, and methods of translating religious texts and various terms.

References

- الزهرى، حمود حسن. (2022م). أثر استخدام الألعاب اللغوية الإلكترونية يف تنمية مهارات القراءة املموسعة لدى تالميذ الصف الثاين الإعدادي. *المجلة التربوية لتعليم الكبار* 4(2). صونيا قامسي، (2019م). مساهمة تكنولوجيا التعليم يف حتسني العملية التعليمية. *مجلة العلوم الإنسانية والاجتماعية* 52(1). فهيم، أمحد. (2023م). توظيف املدونات اللغوية واستخدامها يف تدريس اللغة الثانية والرتمة. موقع أقالم الهند. الدخول يف 3.8.2023م

AA3305 | Al-Akhtaa' Al-Sya'iah Fi Al-Tarjamah (Common Mistakes in Translation)

This course aims to provide the students with sufficient thoughts on common mistakes in the translation, their categories, and causes. At the end of this course, students are expected to be able to know the common mistakes in translation according to their categories and understand various issues, causes, and solutions. This course also covers topics such as the most common mistakes in translating names, verbs, prepositions, sentence structures, various terms, and others through a series of training.

حتتوي هذه املادة على التعريف بأهم الأخطاء الشائعة يف الرتمة، مع بيان أسباب هذه الظاهرة اللغوية، وأنواعها، ونتائجها، وآثارها املمختلفة، وبيان أشهر الأخطاء الشائعة يف ترجمة الأسماء، والأفعال، واحلروف، والرتاكيب واملمصطلحات املمتعددة، مع بيان ضرورة معرفة الثقافات اللغوية لتحاشي الوقوع يف هذه الأخطاء؛ وذلك من خلال النماذج التطبيقية املمتنوعة

References

الرسون، ملديد (2007م). الترجمة والمعنى. ترجمة: محمد حلمي هليل. الكويت: جامعة الكويت. مناع، علي. د.ب. (الترجمة بين التصويب والتعقيب. لندن: منشورات الإختلاف. نيو مارك، بيرت (2004م). الجامع في الترجمة) ترجمة: حسن غزالة. الرياض: دار كنوز المعرفة

AA2301 | Madkhal Ila At-Tarjamah (Introduction to Translation)

This course introduces the students to translation theories according to the Arabs and Westerners. At the end of this course, students are expected to be able to benefit from these theories. This course covers topics such as the definition of translation and its importance, fields of translation, types of translation, interpreting, text types, cultural translation, and many others.

الترجمة وأهميتها، تعريفات الترجمة، مؤهالت المترجم، ميادين الترجمة، أنواع الترجمة: الترجمة التحريرية والترجمة الفورية، أصناف النصوص، تحليل النص، نظريات الترجمة عند العرب الأوائل، الترجمة الدينية، الترجمة الأدبية، الترجمة وملكافات والترجمة والثقافة، ترجمة نصوص من العربية إلى املايوية، ومن الإنجليزية إلى املايوية والعكس

References

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OPTIONAL COURSES (any TWO courses)

AA4303 | Tarjamah Al-Nusus Al-Diniyyah (Translation of Religious Texts)

This course aims to provide students with a full idea of translating religious texts, their varieties, and their secrets. At the end of this course, students are expected to be able to translate religious texts and criticize various examples, know translation methods, and various issues. This course covers topics such as the origins and development of translation of religious texts, especially translation of the al-Qur'an, and the views of scholars on them in both past and present, and methods of translating religious texts and various terms.

نشأة وتطور ترجمة النصوص الدينية وخاصة ترجمة كتاب اهلل ، ووجهات نظر العلماء فيها قديما وحديثا ، وفضل العلماء يف ترجمة كتب التراث، وضرورة دراسة هذه الترجمة، و ترجمة المساء بأنواعها، والأفعال والأحرف بأقسامها، ومعرفة الأسرار اللغوية للنصوص وخمتلف امصطلحات، وتعدد الرتمجات، والأصول املنهجية، وأساليب ترجمة النصوص الدينية

References

الرسون، ملديد (2007م). الترجمة والمعنى. ترجمة: محمد حلمي هليل. الكويت: جامعة الكويت. نيومارك، بيرت (م. الجامع في الترجمة. ترجمة: حسن غزالة. د. م. دار احلكمة 1992) Abdullah Hassan, Aion Mohammad. (2008). Teori dan Teknik Terjemahan. Kuala Lumpur: PTS Professional Publishing Sdn. Bhd.

AA4304 | Tarjamah Lughah Al-I'lam (Media Technology)

This course aims to introduce students to the concept of media translation, and its types, such as translation of political, economic, cultural, social, and sports and news. It also discusses the importance of media translation, and its most prominent problems. After completing this course, students are expected to be able to carry out translations of various media texts.

حتتوي هذه املادة على بيان مفهوم اللغة العالمية، وأهم اخلصائص العامة هلا، وترمجة أسلوب الكتابة الإذاعية، ومكونات لغة الراديو والتلفزيون وترمجاتها، ترمجة لغة الأخبار يف الراديو والتلفزيون، ترمجة لغة الصحافة، ترمجة لغة بيانات العالقات العامة والرسائل العالمية، ترمجة الأخبار والتقارير، والتعاليق على الأنباء مع دراسة أخطاء يف ترمجة اللغة العالمية.

References

شرف، عبد العزيز (1991م). اللغة العالمية. بيروت: دار اجلليل للطبع والنشر والتوزيع. عنابن، حممد (2000م). فن الترجمة ط.5 القاهرة: لوجنمان. حممد الباقر بن احلاج يعقوب (2009م). مقدمة إلى فن الترجمة. ماليزيا: مطبعة اجلامعة الإسلامية العالمية

AA4305 | At-Tarjamah Al-Siyahiyah (Tourism Translation)

Tourism Translation is taught as an academic discipline focusing on the mediation role of translation in the tourism sector and the necessity of high-quality translations to reach an appropriate communication process with tourists. This course will then highlight the importance of adequate translations of tourist texts and the multiple difficulties of this specialized language, especially regarding cultural elements, and it will show some frequent linguistic and pragmatic mistakes found in common tourist communication practices. The importance of tourism nowadays brings us to establish a series of possible solutions to improve the quality of this kind of specialized translation so as to ensure a good relationship between source and target cultures.

يتم تدريس مادة الرتمجة السياحية كنظام أكاديمي ختصصي يركز على دور الوساطة للترتمجة يف قطاع السياحة وضرورة الرتمجات عالية اجلودة للوصول إبل عملية تواصل فعال مع السياح. يستسلط هذه املادة بعد إلقاء الضوء على أهمية الرتمجات الملوثرة للنصوص السياحية والصعوبات المتعددة هلاذ اللغة املتخصصة، خاصة فيما يتعلق بالعناصر الثقافية املتتمية إبل خلفيات اجتماعية متباينة، كما ستبني بعض الأخطاء اللغوية البيت تتكرر وقوعها عند ممارسات الاتصال السياحي الشائعة. إن أهمية السياحة يف الوقت احلاضر جعلت هلاذ املادة أمهيتها البالغة يف إيجاد سلسلة من احلول املمكنة لتحسني جودة هذا النوع من الرتمجة املتخصصة اما يضمن وجود عالقة جيدة بني ثقاف ي امصدر واهلدف.

References

العروسي، حممد علي (2020م). مدخل إلى علم وصناعة السياحة الحديثة، الطبعة 1، اليمن: دار الفؤاد للطباعة والنشر.
Kelly, D. (1997). The translation of texts from the tourist sector: textual conventions, cultural distance, and other constraints. TRANS, no. 2. 33-42.
Yang Lihua. (2014). "On the cultural differences in Tourism Translation" cross cultural communication. vol.10, No .1.

AA4307 | Al-Maharat Al-Mihaniyyah Li Al-Mutarjimin (Professional Skills For Translator)

This course contains definitions of the professional skills that every translator needs in the practice of translation. Its nature is both scientific and creative. This is in addition to linguistic skills related to mastery of the languages in which he deals. The course aims to

help students understand the nature of practicing translation in a professional manner, and train them in it using texts in various fields and including linguistic, cognitive, practical, communication, and translation writing skills, and then details the necessary, basic, additional, and field skills for the professional. This is done after covering the theoretical aspects of professional skills in understanding concepts and principles before focusing on practical and fieldwork experiences that provide them with a typical and representative exercise.

حتتوي هذه املادة على التعريفات اخلاصة باملهارات املهنية البيت حيتاج إليها كل مرتجم يف ممارسة الرتمجة .وذلك ألها قائمة على إنجازات علمية وإبداعية يف أن واحد .هذا، فضال عن مهارات لغوية متعلقة بالتمكن يف اللغات البيت يتعامل فيها وهدف املادة إبل مساعدة الدارسني لفهم طبيعة ممارسة الرتمجة بالطريقة الحر تافية، وتدريبهم عليها مستعينا بالنصوص املختلفة اجمالالت ومشتمال على امهارات اللغوية والإدراكية والعملية والتصالية والكتابة الرتمجانية، ومن مث يتم التفصيل بني امهارات الالزمة والأساسية والإضافية وامليدانية للمحترف .ويتم ذلك بعد تغطية اجلوانب النظرية عن امهارات املهنية يف استيعاب امفاهيم واملبادئ وقبل الرتكيز على التدربيات العملية وامليدانية البيت مترهنم مترينا منوذجيا ومثنيليا

References

حديد، حسيب إلياس (2013 م). أصول الترجمة: دراسات في فن الترجمة بأنواعها كافة: الترجمة الفورية والترجمة الأدبية والترجمة العالمية. دار الكتب العلمية. ربيعي، هاجر (2023 م). آليات واسر تاتيبيات تكوين امرتجم امهين. مجلة في الترجمة. 10 (2). قرميط، نور الدين (2022 م). مقارنة مبنية على املدونات اللغوية يف تعليمية الرتمجة (املتخصصة. حوليات جامعة بشار. 2009. 21)

AA4309 | Al-Tarjamah Al-Fawriyyah (Interpreting)

This course aims to prepare trainee interpreters by providing them with necessary skills for simultaneous and consecutive translation, as well as providing them with the ethics of the translators, their manners in international conferences and forums. It also aims to develop their memory skill and deliver the message faithfully to the listeners. After completing this course, students are expected to be able to interpret in different situations. This course contains the definition of simultaneous interpretation and its types, the advantages and qualifications of the interpreters, culture, ethics, and simultaneous translation through a series of training.

حتتوي هذه املادة على التعريف بالرتمجة الفورية وأنواعها، ومزايا ومؤ هالت امرتجم الفوري، وثقافته، وأخالقيات امرتجم الفوري، الرتمجة التتابعية مع تدريب وتطبيق على مواقف من الرتمجة بني العربية واملاليوية / الإنجليزية

References

حديد، حسيب إلياس (2014 م). أصول الترجمة: دراسات في فن الترجمة بأنواعها كافة (الترجمة الفورية والأدبية والعالمية). بيروت: دار الكتب العلمية. خلوصي، صفاء (1986 م). فن الترجمة. القاهرة: اهليئة امصرية العامة للكتاب عاين، حممد (2000 م). فن الترجمة. ط5 القاهرة: بلو جمنان

Minor in Islamic Development Management [Faculty of Islamic Development Management]

MANDATORY COURSES

DM1301 | Islamic-Based Development

The course focuses on the theory and practice of Islamic-based development. It consists of seven components:

Introduction and meaning of Islamic-based development;

- Highlights literatures on development in Islam;
- Principles of Islamic-based development;
- Fundamentals in implementing Islamic-based development;
- Approaches of Islamic-based development and conventional development;
- Issues in Islamic-based development and
- The philosophy of MIB, Concept of “*Negara Zikir*” and “*Wawasan Brunei 2035*” within the framework of Islamic- based development.

The principles and concepts of Islamic-based development as well as examine the approaches and issues of contemporary Islamic-based development at both national and international levels will also be covered.

References

- Ahmad Shukri Nain & Rosman Md Yusoff. (2013). *Konsep, Teori, Dimensi & Isu Pembangunan*. Johor: Penerbit UTM.
- Mohd Shukri Hanapi. (2014). *Tasawur Islam dan Pembangunan*. Kuala Lumpur: Dewan Bahasa & Pustaka.
- Mohd Shukri Hanapi. (2015). *Acuan Dasar dan Strategi pembangunan Negara Zikir*. In Siti Sara Haji Ahmad & Muhammad Syukri Salleh (eds.), *Dasar dan Strategi Pembangunan Negara Zikir*, 1-24. Brunei: UNISSA Press.

DM1304 | Islamic-Based Management

The course starts with an introduction about the basic necessary knowledge and techniques of thematic exegesis of the Qur’an and the Sunnah. It includes also a general ideas about the Islamic world view of man (Istiklafi concept) and its vital role in the understanding the main purpose of man existence and his aims from development management comparing to other world views and philosophies. Then it will focus about selected Qur’anic and Sunnah texts that are related to development management and study them thematically to understand the meaning of development management its roles, tools, techniques and how it can help to understand the failure of Muslims societies to succeed as others non-Muslims societies. It will deal also with the how through Islamic development management can create self-sustaining institutions that liberate Muslims societies from low-level deprivation traps by increasing productivity, freedom, and cooperative interdependence.

References

- Al-Gazali, M. (2000). *A Thematic Commentary of the Qur'an*. (A.A. Shamis, Trans.) USA: The International Institute of Islamic Thought.
- Denffer, A V. (2011). *Ulum al-Qur'an: An Introduction to the Science of the Qur'an*. United Kingdom: The Islamic Foundation.
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- Mirakhor, Abbas & Askari, Hossein. (2010). *Islam and the Path to Human and Economic Development*. United States: Palgrave Macmillan.
- Rogers, Peter P.& Kazi F. Jalal & John A . Boyd. (2008). *An Introduction to Sustainable Development*. UK & USA: Ear thscan.
- Qadhi, Z. (1999). *An introduction to the sciences of the Qur'aan*. UK: Al-Hidaayah Publishing and Distribution.
- Zaafar Ahmad Uthmani (2014). *Qawa'id fi 'ulum al-Hadith: Underlying principles of the sciences of hadith*. United Kingdom: Turath Publishing

CM2309 | Islamic Sustainable Development

The course provides a general background and overview of sustainable development from the Islamic perspective by studying the evolution to the definition and source of sustainable development as well as the Islamic epistemology and tasawwur on the understanding and what is exactly entailed in sustainable development from the Islamic perspectives. In addition this course provides the required attributes and traits of the actor in managing sustainable development from the Islamic perspectives. This course also provides students with understanding of sustainable development from conventional principles. Upon completion of the course, students will be able to understand the comprehensive concept and practices which they can apply on the future job prospects.

References

- The holy Qur'an (*Al-Qur'ān al-Karīm*).
- The prophetic tradition (*Hadīth*).
- Al-Jayyousi, Odeh Rashed.(2012). *Islam and Sustainable Development*. Surrey: Gower Publishing Ltd.
- Azlina Sobian & Muhammad Husni Mohd.Amin. (2017). *Science for Sustainable Development: Islamic and Interfaith Perspectives*. Kuala Lumpur: Penerbit IKIM.
- Shereeza Mohamed Saniff & Raudha Md Ramli.(2016). *Islamic Perspectives on Sustainable Development*. Pulau Pinang: Centre for Islamic Development Management Studies &United Kingdom: Islamic Relief Academy.
- United Nations Development Programme. (UNDP) (2015). Sustainable Development Goals Booklet. Retrieved from http://www.undp.org/content/dam/undp/library/corporate/brochure/SDGs_Booklet/web_En.pdf
- Wan Norhaniza Wan Hasan & Nurul Suhada Ismail.(2016) *Pembangunan Lestari Islam: Konsep &Aplikasi*. Pulau Pinang: Pusat Kajian Pengurusan Pembangunan Islam

OPTIONAL COURSES (any TWO courses)

DM1303 | Development Management in Naqli Sources

The course offers the identification of verses in al-Qur'an and *Ahadith* that are related to development management through a thematic approach (*Tafsir Maudu'iy*). It also includes the background of *Tafsir Maudu'iy* and its approaches in determining the theme and thereafter in identifying the various verses in al-Qur'an related to the chosen theme. From the identified verses on development management, the exegesis of these verses and *asbab al nuzul* (reasons for revelation) will also be studied. In the meantime based on the identified *Ahadith* also through a thematic approach, the various explanations and background for the *Ahadith* will be taught. These identified verses and *Ahadith* will then be examined to identify how they can help in shaping the development management worldview according to Islam.

References

- Ahmad Uthmani, Z. (2014). *Qawa'id fi 'Ulum al-Hadith: Underlying Principles of the Sciences of Hadith*. United Kingdom: Turath Publishing.
- Hanapi, M.S. (2015). Acuan dasar dan strategi pembangunan Negara Zikir. In Siti Sara Haji Ahmad & Muhammad Syukri Salleh (eds.). *Dasar dan Strategi Pembangunan Negara Zikir*. Brunei: UNISSA Press.
- Muhd Najib Abdul Kadir, Mazlan Ibrahim & Zulkifli Abd. Mubi. (2015). *Tafsir Mawdui: Harta Menurut Perspektif al-Quran*. Bangi: UKM Press.

CM2305 | Principles of 'Umranic Studies

Definition of *'umrān* and other related terms such as culture, urbanization and civilization and to highlight the important of *'umrān* in the study of human life as a source of religious knowledge. So, this course is particularly concerned with the contradictory views by drawing special attention to the theory of *'umrān* to determine which of the views is correct. The method used in this course is called "induction", a method of logical reasoning that obtains or discovers general laws from particular facts. Among the topics discussed including the concept of *'umrān* and its meaning, characteristics and objectives and other related terms such as *int'ma* and *ma'mūr* revealed in the Holy *Qur'ān*.

References

- Abd al-Rahman bin Khaldun. (1993). *Muqaddimah*. Beirut: Dar al-Kutub al- Ilmiyyah.
- Boukraa, R. (2008). The Khaldunian Concept of 'Umran/Ijtima' in the Light of the Current Paradigm of Post-Modern Society. *Journal of North African Studies*, Vol. 13, No. 3.
- Mahmoud Dhaouadi. (2005). The Ibar Lessons of Ibn Khaldun's Umran Mind. Vol. 34. No. 6. *Contemporary Sociology: American Sociological Association*.

DM1307 | Islamic Services Management

The course offers a general background on the meaning of services management both from the conventional perspective as well as in Islam. It outlines the various concepts on what is exactly entailed in services management and how to recognize and identify services management that are Islamic. This course brings students to examine the current

definition and understanding of Islamic services management. A key requirement in a service and relationship strategy is that a manufacturer, wholesaler, retailer, service firm or supplier has a thorough insight into the customers' everyday processes, and into the relationship between them and the customers' life or business processes, and the long-term needs and desires of their customers. It also exposes students on the real sources of Islamic services management based on Islamic principles and the Maqasid Syariah. Based on this understanding it depicts how Islamic services management provide a comprehensive issue especially in this modern technology and digital era.

References

- Grönroos, C. (2015). *Service management and marketing: managing the service profit logic*. Chichester: John Wiley & Sons.
- Sulaiman, M., Sabian, N. A. A., & Othman, A. K. (2014). The understanding of Islamic management practices among Muslim managers in Malaysia. *Asian Social Science*, 10(1), 189.
- Othman, K., Hamdani, S. M., Sulaiman, M., Mutalib, M. M., & Ramly, R. (2018). A philosophy of maqasid syariah underpinned Muslim food consumption and the halalan toyyiban concept. *AL-ABQARI: Journal of Islamic Social Sciences and Humanities*.
- Jay Kandampully. (2012). *Service Management: The New Paradigm in Retailing*. New York: Springer
- Azreen Hamiza Abdul Aziz and Norazliawati Md Daud. (2016) *Islamic Service Management: A New Paradigm*. Malaysia: Centre for Islamic Development Management Studies (ISDEV).

CM3316 | Islamic Organizational Management

The course imparts a comprehensive understanding of management principles and practices, all framed within the context of Islamic ethics and values. The course is organized around twelve key topics, each aimed at equipping students with the knowledge and skills required for effective leadership and management while adhering to Islamic principles. It begins with an exploration of fundamental management concepts and the unique principles of Islamic organizational management, emphasizing ethics, social responsibility, and alignment with Islamic values. The course covers ethical foundations, organizational design, Shura-based decision-making, leadership qualities, human resource management, financial management, conflict resolution, social responsibility, and innovation, and addresses contemporary challenges. Students gain insights into applying Islamic principles to contemporary management practices throughout the course. This comprehensive course equips students with the knowledge and skills necessary to lead, manage, and make ethical decisions within Islamic organizations. By emphasizing the integration of Islamic values with modern management principles, students will be prepared to navigate the unique challenges and opportunities presented by Islamic organizational management.

References

- Ahmad, K. (2007). *Management from Islamic Perspective*. Kuala Lumpur: International Islamic University Malaysia.

- Ali, J.A. (2005). *Islamic Perspective on Management & Organizations*. N.P: Edward Elgar Publishing.
- Ishak, A. H., & Osman, M. R. (2016). A Systematic Literature Review on Islamic Values Applied in Quality Management Context. *Journal of Business Ethics*, 138(1), 103–112.
- Khan, K., Abbas, M., Gul, A., & Raja, U. (2015). Organizational Justice and Job Outcomes: Moderating Role of Islamic Work Ethic. *Journal of Business Ethics*, 126(2), 235–246.
- Murtaza, G., Abbas, M., Raja, U., Roques, O., Khalid, A., & Mushtaq, R. (2016). Impact of Islamic Work Ethics on Organizational Citizenship Behaviors and Knowledge-Sharing Behaviors. *Journal of Business Ethics*, 133(2), 325–333.

DM1302 | Leadership in Islam

The course provides concept of leadership from Al-Qur'an, Hadith and other Islamic literatures. The course starts with the basic operational principles of leadership in Islam. Thereafter components of leadership from Islamic perspective will also be covered. This course will introduce students to the true concept of a leader according to the behavior of Rasulullah SAW and his teachings. It provides examples of how Rasulullah SAW resolves conflicts and becomes a leader that is able to unite all the Arab tribes. Thus the concept of leadership in resolving conflict based on Al-Qur'an, Hadith and other Islamic literatures will then form the second part of this course bringing students to understand the concept of peace and its components in Islam.

References

- Randeree, K. (2011). *Leadership Lessons from Early Islamic Literature* in Ahmad, K., Rafikul Islam & Ismail, Y. (Eds.) *Issues in Islamic Management: Theories and Practices*. Selangor: IIUM Press.
- Thaib, L. (2015) *Leadership: An Islamic Perspective*. Germany: Lambert Academic Publishing.
- Wirba, A. V. (2017). *Leadership from an Islamic and Western Perspective*. Oxford: Chartridge Books Oxford.

Minor in Islamic Economics [Faculty of Islamic Economics and Finance]

MANDATORY COURSES

BE1301 | Principles of Islamic Economics

Topics covered are: Foundation of the Islamic Economic paradigm; principles of Islamic Economics: (ownership, fair and equitable distribution, rent, usury and interest); key microeconomic concepts: (defining microeconomics, issue of needs and wants, consumer behavior, theory of the firm, dynamics of demand and supply, efficiency versus equity, and market models); key macroeconomic concepts: (principal economic agents, national income, consumption, savings, investment, inflation, deflation, unemployment, open economy, international trade and Islam); Islamic economic systems: (role of the state; role of financial system; and role of market system).

References

- Askari, H., Iqbal, Z., & Mirakhor, A. (2015). *Introduction to Islamic Economics: Theory and Application*. Singapore: John Wiley & Sons Singapore Pte. Ltd.
- Case, K. E., Fair, R. C., & Oster, S. M. (2017). *Principles of Economics*. 12th ed. Upper Saddle River: Pearson Education.
- Mankiw, G. (2014). *Principles to Economics*. 7th ed. Florence: Cengage Learning, Inc.

EF1302 | Transactions in Islamic Banking and Finance

Topics discussed are: the formation of contracts under Islamic law; lawful contracts vs. *ribawī* contracts; interest-free banking system; *ribā* in Islamic commercial law; lawful contracts in Islamic commercial law; contract of sales: (*Bay' al-Murābahah*, *Bay' al-Īnah*, *al-Tawarruq*, *al-Istiṣnā'*, *Bay' bi Thaman Ājil*, and *Bay' al-Salam*); contracts of equity based: (*al-Mudārabah*, *al-Mushārah*, and *al-Mushārah al-Mutanāqīshah*); contract of lease based: (*al-Ijārah*, *al-Ijārah Thumma al-Bay'*, and *al-Ijārah al-Muntahiyah bi al-Tamlīk*); contract of fee based: (*al-Wakālah*); contract of *Tabarru'* based: (*ṣadaqah*, *Hibah*, *Waqf*, and *Takāful*); contract of security based: (*Damān*, *Kafālah*, and *Wa'd*); contract of *Amānah* based: (*Qard*, *Rahnu*, *Wadī'ah Yad Amānah*, and *Wadī'ah Yad Damānah*); and supporting contracts: (*Ta'wīd*, and *Gharāmah*); *Muqtadā al-'Aqd* (the objectives of contracts); and the basic techniques of structuring Islamic financial transactions and how they are applied to practice.

References

- Abdul Ghafar Ismail. (2017). *Money, Islamic Banks and the Real Economy*. 2nd ed. Singapore: Cengage Learning Asia Pte Ltd.
- Billah, M. M. (2009). *Shari'ah Standard of Business Contract*. Malaysia: A. S. Noordeen.
- International Shariah Research Academy for Islamic Finance. (2011). *Islamic Financial System*. Malaysia

BB1302 | Principles of Management

Topics covered are: the roles and functions of managers from both an Islamic and western perspective; different types of organisations; the need for and nature of management; managerial responsibilities and professional ethics; the four functions of management: (planning and decision making, organizing, leading and motivating, controlling and evaluating); strategic planning; leadership theories; teamwork; change and innovation; management from an Islamic perspective; the Islamic worldview and management; motivations from Islamic perspectives; and Islamic leadership.

References

- Ahmad, K. (2007). *Management from an Islamic Perspective*. Malaysia: International Islamic University.
- Ali, J.A. (2005). *Islamic Perspectives on Management and Organisation*. Cheltenham: Edward Elgar Publishing.
- Jabnoun, N. (2012). *Islam and Management*. New Revised English 3rd ed. Saudi Arabia: International Islamic Publishing House.

OPTIONAL COURSES (any TWO courses)

EB3309 | Principles of Marketing

Topics covered are: introduction to the principles of marketing; manage profitable customer relationship; marketing environment and managing marketing information; introducing the different types of consumer markets and consumer buyer behaviour; business markets and business buyer behaviour; product, services and branding strategy used in marketing; pricing strategies; retailing and wholesaling; advertising and public relations; understanding Islamic marketing: (Islamic business deals, markets and marketing in Islam); the Islamic marketing mix: (the product, the pricing practices, promotions, logistics, etc.); issues in Islamic marketing: (the Muslim consumer, and Islamic branding).

References

- Baker Ahmad Alserhan. (2011). *Principles of Islamic Marketing*. Ashgate Publishing.
- Kalthom Abdullah. (2008). *Marketing Mix from an Islamic Perspective: A Guide for Marketing Courses*. Malaysia: Pearson.
- Kotler, P. and Armstrong, G. (2007). *Principles of Marketing*. 12th ed. New Jersey: Pearson Education.

BE3303 | Humanomics

Topics covered are: Social capital systems (*ukhuwwah, tabarru', hibbah, sadaqah*, etc.); social organization (philanthropy organization); the theory of human-centred economic development; main organizations of philanthropy: (*zakat* organization, *waqf* organization, and microfinance organization). The discussion of each organization will focus on: (i) sources and uses of each philanthropy; (ii) regulation and supervision (including governance) of each organization; and (ii) its relationship with humanitarian aid and economic development.

References

- Abdul Ghafar Ismail. (2016). *Zakat: Pensyariatan, Perekonomian dan Perundangan*. Bangi: UKM Press.
- _____ & Abdelrahman Elzahi Saaid Ali. (2017). *Regulation and Supervision of Islamic Microfinance*. Gombak: IIUM Press.
- _____, Khalifa Muhamed Ali & Raditya Sukmana. (2017). *Waqf and Socio Economic Development*. Gombak: IIUM Press.

BF3308 | Islamic Banking

Topics covered are: understanding the concept of money; understanding the working of money and Islamic bank in economy; management of Islamic banks' funds: (liquidity management, risk management, and capital management); composition of Islamic bank's balance sheet (asset and liability management); regulation and supervision of Islamic banking operations (on and off site examination); transmission of monetary policy: (identify the tools and method of transmission mechanism); and Islamic banks and the real economy.

References

- Abdul Ghafar Ismail. (2017). *Money, Islamic Banks and the Real Economy*. Singapore: Cengage Learning Asia Pte Ltd.
- Aishah Abdul-Rahman, Shahida Shahimi & Abdul Ghafar Ismail. (2017). *Case Studies in Islamic Banking & Finance*. Bangi: UKM.
- International Shariah Research Academy on Islamic Finance. (2012). *Islamic Financial System: Principles & Operations*. Kuala Lumpur: ISRA.

BB1303 | Business Presentation and Communication Skills

Topics covered are: Islamic communication foundations: (communication model, and technology's impact on business communication); the intercultural communication in the workforce; communication strategies without bias and in team environments; outlines the writing process: (targeting the audience, planning, composing, revising business messages, fundamentals of grammar and usage, format and layout of business documents); formats and styles of writing: (reports, routine letters, Curriculum Vitae, goodwill messages, business correspondence, memos and email messages, persuasive messages, and good and bad news messages); illustrates the application of essential communication tools to enhance clarity, accuracy, conciseness unity, and coherence and logical organization.

References

- Cornelissen, J. (2014). *Corporate Communication: A Guide to Theory and Practice*. London: Sage.
- Guffey, M.E. & Du-Babcock, B. (2007). *Essentials of Business Communication*. 2nd Ed. Cengage Learning.
- Hair, D.O, & Friedrich, G.W. (2011). *Strategic Communication in Business and the Professions*. 7th Ed. (international ed.) Boston, New York: Allyn & Bacon.

BE2302 | Islamic Economics

Topics covered are: What is an economic system, current state of the global economic system, Islamic economics paradigm, short history of economic thought in Islam, social and economic justice, prohibition of interest (riba), risk-sharing economic system and notion of risk-sharing, issue of needs versus wants, models of an interest-free economy, building blocks of the Islamic financial system, role of the state in the Islamic economic system, policy instruments of the state in Islam, fiscal policy in an Islamic economy, monetary policy in an Islamic economy, foundation and framework of development and growth in Islam, Islamic perspective on financial inclusion, economic justice and public policy in the Islamic economic system.

References

- Ahmad, K. (ed.). (2013). *First Principles of Islamic Economics*. Ahmad Imam Shafaq Hashemi (Trans.). United Kingdom: The Islamic Foundation.
- Askari, H., Iqbal Z. & Mirakhor A. (2014). *Introduction to Islamic Economics: Theory and Application*. n.pl: John Wiley & Sons.
- El-Gamal, M. A. (2008). *Islamic Finance: Law, Economics, and Practice*. Houston: Rice University

Minor in Halal Science
[Halalan Thayyiban Research Centre]

MANDATORY COURSES

HS2335 | Halal Standards, Policy, and Regulations

This course aims to provide students the knowledge on halal standards, policy and regulation from local and international level. This course will also discuss various issues related to halal standards and guidelines. Upon completion of this course, students are expected to be able to understand the importance of halal standard, policy and regulation agreed upon Shariah for the steady growth of the halal industries globally.

References

- Bandar Seri Begawan: The Religious Council. (2007). *Halal Food: Piawai Brunei Darussalam*.
- State Mufti's Office, Prime Minister's Office. (2007). *Fatwa of State Mufti Issues on Halal Products; Compilation of State Mufti's Fatwa on issues on Halal Products 1994-2006 Brunei Darussalam*. Bandar Seri Begawan: State Mufti's Office, Prime Minister's Office.
- Jaswir, I. (2019, November 2). *Opinion : Harmonizing Halal Standards*. Halal Focus: Halal & Ethical Business News Updates & Analysis

HS3341 | Halal Industry Management

The aim of this course is to introduce the overview, definition, concept and objectives as well as the management of halal industrial products and services, highlight the Halal products and services as a global potential market as well as the contemporary issues related to it. Upon completing the course, the students are expected to be able to evaluate the differences between Islamic and traditional management, build and assemble a team of reliable and with expert proficiency in halal products and services, resolve issues and challenges in halal products and services management.

References

- Ahmad, K. & Fontaine, R. (2011). *Management from Islamic Perspective* (2nd Edition). Petaling Jaya: Pearson Malaysia Sdn. Bhd.
- Hamidon Katan, Mohd Radzi Zainuddin et al. (2015). *Innovation Management (UniKL)*. Malaysia: Oxford Fajar.
- Khalidah Khalid Ali, Satirenjit Kaur Johl et al. (2015). *Business Management: A Malaysian Perspective* (Third Edition). Malaysia: Oxford.
- Hussain Hamid Hassan. (1997). *An Introduction To The Study of Islamic Law*. Islamabad: International Islamic University

HS2340 | Objectives Of Islamic Law (Maqasid Al-Shariah) In Halal Industry

This course aims to provide the students with knowledge on the significant roles of Maqasid Shari'ah and their applications in halal industry. Upon completing the course, students are expected to understand the requirement of Islamic-compliant products and services and ensure to obtain the objectives of shariah.

References

- Âshûr, Muhammad Thâhir Ibn. (1946). *Maqâshid al-Sharî'ah al-Islâmîyyah*. Tunis.
- Gamal Eldin Attia. (2007). *Towards Realization of the Higher Intents of Islamic Law*. Kuala Lumpur: Islamic Book Trust.
- Masud, Muhammad Khalid. (2005). *Shatibi's Philosophy of Islamic Law*. Kuala Lumpur: Islamic Book Trust.
- Mohammad Hashim Kamali. (2013). *The Parameters of Halal and Haram in Shariah and The Halal Industry*. Kuala Lumpur: International Institute of Advanced Islamic Studies (IAIS) Malaysia.
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OPTIONAL COURSES (any TWO courses)**HS2338 | Islamic Legal Maxim (Qawaid Fiqhiyyah) In Halal Industry**

This course aims to introduce and discuss Islamic legal maxims with a special focus on highlighting the relevant Islamic legal maxims that are applicable to halal industry. Upon completing the course, students are expected to understand Islamic legal maxim's applications in contemporary halal issues.

References

- Azman Ismail & Md. Habirur Rahman. (2013). *Islamic Legal Maxims: Essentials and Applications*. Kuala Lumpur: IBFIM.
- Mohammad Hashim Kamali. (2013). *The Parameters of Halal and Haram in Shariah and The Halal Industry*. Kuala Lumpur: International Institute of Advanced Islamic Studies (IAIS) Malaysia.
- Al-Raysuni, Ahmad. (2006). *Imam Al-Shatibi's Theory of the Higher Objectives and Intents of Islamic Law*. Herndon: The International Institute of Islamic Thought.
-

HS2339 | Halal Food Science

The aim of this course is to give students an understanding on the basic fundamental of food science and underlying technology associated with providing a safe, halal, and thayyib food. On successful completion of this course, a student will be expected to be able to obtain knowledge and skill in halal food science and technology through theory and applications as well as apply science and technology principles to deliver safe, halal, and thayyib food products from raw materials to consumers.

References

- Ahmad, Musa, Kuswandi, Bambang, & Mat Radzi, Salina. (2018). *Halal Science and Technology Module: Technique & Instruments Implemented for Halal Analysis Product*. Malaysia, USIM.
- Ng PC, Ahmad Ruslan NAS, Chin LX, Ahmad M, Abu Hanifah S, Abdullah Z & Khor SM (2022). *Recent advances in halal food authentication: Challenges and strategies*. Journal of Food Science, 87:8-35. Doi: 10.1111/1750-3841.15998
- Housecroft, Catherine E. & Constable, Edwin C. (2006). *Chemistry*, 3rd edition. Harlow, ESX: Pearson Education Limited.

HS3347 | Fiqh Administration In Halal Industry

This course aims to provide knowledge on the concept of Islamic administration and the significant role of the fiqh-based administrative system in Halal Industry. Upon completion, students will be able to understand the concept and design of administration for halal industry sectors in accordance with Islamic teaching and hukm Syara'.

References

- Bakar, A., Pratami, A. & Sukma, A.P. (2021) *Analisis Fiqih Industri Halal*. Jurnal Taushiah FAI UISU, 11(1):1-13.
- Masud, Muhammad Khalid. (2005). *Shatibi's Philosophy of Islamic Law*. Kuala Lumpur: Islamic Book Trust.
- Mohammad Hashim Kamali. (2013). *The Parameters of Halal and Haram in Shariah and The Halal Industry*. Kuala Lumpur: International Institute of Advanced Islamic Studies (IAIS) Malaysia.
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HS3348 | Halal Slaughtering And Meat Science

This course aims to provide students with knowledge to address the need to ensure the welfare of food animals during pre-slaughter and slaughter processes until they are dead, conduct ante- and post-mortem inspection, follow standard of halal slaughtering, and issues related to halal slaughtering such as stunning, slaughtering equipment, fatwa, etc. Upon completion of this course, students will understand the fundamental science and technique of meat production, determine, produce, manage and control the quality of meat and meat products.

References

- Warriss, P. D. (2000). *Meat science: an introductory text*. CABI Publishing CABI Publishing. CAB International. UK.
- Lawrie, R. A. (2006). *Lawrie's Meat Science*. Seventh Edition. Woodhead Publishing Limited.
- Nakyinsige K, Man YBC, Aghwan ZA, Zulkifli I, Goh YM, Bakar FA, et al. (2013). *Stunning and animal welfare from Islamic and scientific perspectives*. Meat Sci, 95:352-61.
-

HS1334 | Halal Consumerism And Marketing

This course is designed to acquaint students with the Islamic Consumerism and Halal marketing concept in the halal industry and examine issues related to the consumer behaviour, perception, planning and marketing towards halal industry including the aspects of trust and values. At the end of the course, the students should be able to learn about the Islamic marketing principles, the rights of consumers and ensure that their consumption behaviours in tandem with values promulgated by Islam for their wholesomeness and well being.

References

- Afida Mastura, M.A., Elistina, A.B. & Syuhaily, O. (2014). *Perlindungan Pengguna Ke Arah Memperkasakan Pengguna di Malaysia*. Serdang : Persatuan Ekonomi Pengguna dan Keluarga Malaysia

- Lokman, A.R. (2001). *Halal Products: Consumerism, Technology and Procedures*. Malaysia: Islamic Department of Melaka and Islamic Council of Melaka.
- Mohd Hamdan Adnan (1994). *Konsep Asas Kepenggunaan*. Kuala Lumpur, Serdang. Penerbit UPM.

Minor in Agriculture [Faculty of Agriculture]

MANDATORY COURSES

GB1206 - Agripreneurship

This course is designed to introduce students to agribusiness management. Upon completing the course, students are expected to understand the basic theories of agribusiness management and functional responsibilities of management. Students are also expected to apply difference management tools in improving the efficiency of the agribusiness and provide alternatives solution to solve problems in agribusiness.

References

- Barnard, F., Ckridge, J., Dooley, F. & Foltz (2018). *Agribusiness Management* (4th ed.). USA: Routledge.
- Bryceson, K. P. (2019). *Issues in Agribusiness: The What, Why and How*. Australia: CABI Publication.
- Erickson, S., Ckridge, J. T., Barnard, F. & Downey, D. (2017). *Agribusiness Management* (3rd ed.). USA: McGraw-Hill.

GB1202 | Fundamentals Of Agriculture

This course is designed to give understanding on the basic and fundamental principles of agriculture. This course aims to give the foundation of knowledge for Agriculture in different areas of agriculture including plants, animals, soil and health. Upon completing the course, students are expected to apply knowledge towards further understanding of agriculture.

References

- Damon, W.S. (2018). *Introduction to Animal Science: Global, Biological, Social and Industry Perspectives* (6th ed.). USA: Pearson.
- Davies, F.T., Jr., Geneve R.L., Wilson, S.E., Hartmann, H.T., & Kester, D.E., & (2018). *Plant Propagation: Principles and Practices* (9th ed.). USA: Pearson
- Field, T.G., & Taylor, R.E. (2020). *Scientific Farm Animal Production: An Introduction to Animal Science* (12th ed.). USA: Pearson.

GB2202/GB1207 | Farm Management

This course is designed to give understanding of the key concepts of effective farm management. The students will be equipped with farm management knowledge and skills ranging from land to financial of farm businesses. Upon completing the course, students are expected to apply knowledge towards holistic management of farms.

References

Bochtis, D., Sørensen, C., & Kateris, D. (2018). *Operations Management in Agriculture*. USA: Elsevier. Kay, R., Edwards, W., & Duffy, P. (2020). *Farm Management* (9th ed). USA: McGraw Hill. Mason, J. (2011). *Farm Management* (2nd ed.). Australia: Kangaroo Press.

OPTIONAL COURSES (any TWO courses)

GT2202/GT1302 | Applied Crop Science

The course is designed to provide students with a strong understanding of principles and practices in crop science. Principles of crop physiology, genetics & breeding, production and management of crops will be discussed. Concepts and essentials of good agricultural practices (GAPs) will be emphasized. Importance will be placed on selection, improvement and production of food, fiber and feed crops useful to man. In the process, students will be trained to critically analyse production area, soil, climate, economic aspects, etc. and make accurate decisions. Some experiential learning (hands-on) will be included. Factors influencing crop production will be discussed thoroughly during lectures. Cropping systems and smart agriculture will also be explained.

References

Acquaah, G. (2005). *Principles of Crop Production: Theory, Techniques and Technology* (4th ed). Pearson Prentice Hall.
Acquaah, G., (2012). *Principles of Plant Genetics and Breeding* (2nd Ed). USA: Wiley-Blackwell. Hanks, J. (2016). *Agronomy and Crop Science*. USA: Callisto Reference.

GT1303 | Applied Animal Science

The aim of this course is to provide basic knowledge and understanding of animal science and its applications. Student will develop an understanding of the environmental, ethical and economic contexts in which the sector operates. Applied animal science helps to improve the productivity and sustainability of livestock production systems, control disease epidemics, standards of animal welfare, and to enhance wildlife biodiversity.

References

Dewulf, J., & Immerseel, F. V. (2018). *Biosecurity in animal production and veterinary medicine: From principles to practice*. Leuven: Acco.
Damon, W.S. (2018). *Introduction to Animal Science: Global, Biological, Social and Industry Perspectives* (6th ed.). USA: Pearson.
Field, T.G., & Taylor, R.E. (2020). *Scientific Farm Animal Production: An Introduction to Animal Science* (12th ed.). USA: Pearson

GT2304| Biosecurity In Agriculture

Biosecurity in Agriculture focuses on production animal management practices and the implementation of safeguards that eliminate and decrease the rate of infectious diseases. This course gives students the opportunity to understand and apply concepts of disease transmission in animal and plant production situations. Multiple species, pest and diseases will be discussed throughout the course as examples of biosecurity in practice.

This course provides the foundation for students interested in learning the complexities of the prevention of disease transmission in both animals, plants and animals. This course aims to provide students with a fundamental understanding of what constitutes such biological hazards, the theory and practice of avoiding or controlling these hazards, the regulatory framework for managing biosecurity, and opportunities to explore topical examples of biosecurity issues. Biosecurity in Agriculture is a discussion-based course to allow students to fully understand the practical application of biosecurity in our ever more global world.

References

- Dewulf, J., & Van Immerseel, F. (2020). *Biosecurity in Animal Production and Veterinary Medicine: From principles to practice*. USA: CABI.
- Gordh, G., & McKirdy, S. (2014). *The Handbook of Plant Biosecurity*. USA: Elsevier.
- A. David Scarfe, Cheng-Sheng Lee, Patricia J. O'Bryen. (2006). *Aquaculture Biosecurity: Prevention, Control, and Eradication of Aquatic Animal Diseases*. USA: Wiley-Blackwell Publishing.
-

GB2304 | Agriculture Production System

This course is designed to explore both plant production industries, including pastures, cereal crops, and annual and perennial horticulture and animal production industries, for food (e.g., meat, milk & eggs) production in both extensively and intensively managed systems. Upon completing the course, students will be able to know the strategies that are employed to produce high quality crop products and productivity benchmarks in the major production animal systems.

References

- Field, T.G., & Taylor, R.E. (2020). *Scientific Farm Animal Production: An Introduction to Animal Science* (12th ed.). USA: Pearson.
- Lalitha, B.S., Shankar, M.A., & Prajwal Kumar, G.K. (2020). *Cropping Systems: Principles and Practices*. India: Nipa Books.
- McMahon, M.E. (2020). *Plant Science: Growth, Development, and Utilization of Cultivated Plants* (6th ed.). USA: Pearson.
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GT2308 | Precision Agriculture

This course is designed to introduce students to precision agriculture (PA). Upon completing the course, students are expected to understand the definition, fundamental concepts, tools & techniques and applications of PA. Students are also expected to seek potential and suitable applications of PA for more efficient and effective agroindustry and provide alternatives solution to solve problems in agroindustry.

References

- Choudhury, A., Biswas, A., Prateek, M., & Chakrabarti, A. (2021). *Agricultural Informatics: Automation Using the IoT and Machine Learning*. USA: Wiley-Blackwell Publishing.
- Srinivasan, A. (2008). *Handbook of Precision Agriculture: Principles and Applications*. USA: CRC Press.

- U.S. Government. (2018). *Threats to Precision Agriculture*. USA: Public-Private Analytic Exchange Program.
- Zhang, Q. (2016). *Precision Agriculture Technology For Crop Farming*. USA: CRC Press.
- Pedersen, S. M., & Lind, K. M. (2017). *Precision Agriculture: Technology and Economic Perspectives*. USA: Springer International Publishing AG.
- Zachariah, A. B. (2010). *Precision Agriculture: The Future of Farming*. Canada: Delve Publishing.



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