



FACULTY OF PHARMACY

UNDERGRADUATE STUDENT GUIDEBOOK



SESSION
2019/2020

FACULTY OF PHARMACY
Universiti Sultan Zainal Abidin
Besut Campus, 22000 Besut
Terengganu Darul Iman MALAYSIA

يونيسوي سلطان زين العابدين
UnisZA
UNIVERSITI SULTAN ZAINAL ABIDIN





**UNDERGRADUATE STUDENT
GUIDEBOOK
ACADEMIC SESSION 2019/2020**

FACULTY OF PHARMACY

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Published in Malaysia by
Faculty of Pharmacy
Universiti Sultan Zainal Abidin
Besut Campus
22200 Besut
Terengganu Darul Iman
MALAYSIA

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DEAN'S FOREWORD

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Assalamualaikum Wm. Wbt. and greetings,

Dear students,

On behalf of the faculty, I am pleased to welcome and congratulate you for becoming the first batch of students at the Faculty of Pharmacy. You are definitely contributing to our history as a member of our community.

At the faculty, we are committed to ensure that you will reach your potential intellectually, in personal well-being, in leadership and in your professional development. The programme is delivered through a mixture of lectures, tutorials, laboratory practicals and online learning. Through clerkships and attachments, you will gain exposure to hospital, community and industry.

The Undergraduate Student Guidebook 2019/2020 for Bachelor of Pharmacy (Honours), Faculty of Pharmacy UniSZA is a resource for you and is made to present the academic curriculum, co-curriculum and related information during your four years of study at the faculty. I hope that you will find the information in this Guidebook useful.

All the best and good luck in your academic endeavours.

Sincerely,

Prof. Dr. Ab Fatah Ab Rahman
Dean
Faculty of Pharmacy

COMMITTEE OF UNDERGRADUATE STUDENT GUIDEBOOK

Advisor



Prof. Dr. Ab Fatah Ab Rahman

Chairman



Dr. Norsyafikah Asyilla Nordin

Editors



Prof. Dr. Lua Pei Lin



Zaleha Mat Ya'acob

Members



Dr. Zalina Zahari



Dr. Mulham Alfatama

UNIVERSITI SULTAN ZAINAL ABIDIN AT A GLANCE

History of UniSZA Establishment

UniSZA was first established as an Islamic educational college known as Kolej Ugama Sultan Zainal Abidin (KUSZA) on 27th January 1980. On March 2005, KUSZA was upgraded into a full-fledged university known as Universiti Darul Iman Malaysia (UDM). Later on 14th May 2010, UDM was renamed as the Universiti Sultan Zainal Abidin (UniSZA). The university operates within its three separate campuses which are the Medical Campus (in Kuala Terengganu), Gong Badak Campus (in Kuala Nerus) and Besut Campus (in Besut).

Vision

World Choice University

Mission

To produce holistic individual through academic excellence

Motto

Knowledge for The Benefit of Humanity

Niche

Human civilizational, medicinal, accuracy, science technology, management and techno-entrepreneurship

Core Values

Ethical and Moral
Competent and Skillful
Professional
Consensus
Creative and Innovative
Customer-Focused
Responsible
Sense of Belonging
Trustworthy

UniSZA Logo

Core Values: The 8 Petals - Naseem



UniSZA's logo consists of 8 petals (called Naseem) symbolizing 8 values which will be imbued in every individual.

The 8 values are:

1. **Knowledge (Ilmu)**
An action oriented maverick who conducts research led teaching armed with contemporary knowledge to solve current and relevant issues which lead to commercialization.
2. **Faith & Akhlaq (Iman & Akhlaq)**
A visionary and value oriented person of high moral standing.
3. **Deeds (Amal)**
An accountable and transparent individual who cares and contributes to society.
4. **Leadership (Qiyaadah)**
A dynamic pragmatic leader who is bold enough to make a difference and manages from the heart.
5. **Collaboration (Ta'awun)**
A team player with excellent communication and global networking skills.
6. **Entrepreneurship (Tijaarah)**
A persistent and successful entrepreneur.
7. **Transformation (Taghyir)**
An individual who embraces culture and is armed with a transformational mindset leading to autonomy and financial independence.
8. **Innovation (Ibtikaar)**
An individual who embraces creative thinking, leveraging on digital and disruptive technology.

Board of Directors

CHAIRMAN



Dato' Dr. Muhammad Nur Manuty

BOARD MEMBERS



Prof. Dato' Dr. Hassan
Basri Mat Dahan



Prof. Dr. Shukri
Yazid



Mr. Suhaili
Ahmad



Datuk Seri Mohamed
Azahari Mohamed Kamil



Tan Sri
Tony Fernandes



Dr. Zaharuddin
Abd Rahman



Mr. Mohamed Ali
Ghazali



Tuan Haji Ahmad Shukri
Yusoff



Prof. Dato' Mohamad
Abu Bakar



Assoc. Prof. Dr.
Wan Zuhainis Saad
(KPM Representative)

SECRETARY



Mr. Ismail Ahmad

Management

VICE CHANCELLOR



Prof. Dato' Dr. Hassan Basri
Awang Mat Dahan

DEPUTY VICE CHANCELLOR

Academic & International



Prof. Dr. Kamarul Shukri
Mat Teh

Research & Innovation



Prof. Dr. Mohd Afandi Muhamad
(Acting Deputy VC – R&I)

Student & Alumni Affairs



Assoc. Prof. Dr.
Mohd Afandi Salleh

SENIOR OFFICERS

Registrar



Mr. Ismail Ahmad

Bursary



Mrs. Hajjah Shakimah
Endut

Legal Advisor



Prof. Dr. Zuhairah Ariff
Abd. Ghadas

Director Centre for Property Management



Ir. Hj. Mohd Yasim
A. Ghani

Director Besut Campus



Prof. Dr. Mohd Nordin
Abdul Rahman

GENERAL INFORMATION OF THE FACULTY

Faculty Background

The Faculty of Pharmacy Universiti Sultan Zainal Abidin (UniSZA) was approved by the Ministry of Higher Education on 19th September 2016. The faculty begins operating in UniSZA Besut Campus on April 2017. Professor Dr. Ab Fatah bin Ab Rahman is the first appointed dean for the faculty. The development of the faculty is hoped to contribute in the role of UniSZA to provide health-based education in Malaysia and particularly in East Coast of Peninsular Malaysia. Currently, the faculty offers Bachelor of Pharmacy (Honours) programme which emphasises on community pharmacy practice.

The curriculum used by the faculty is based on the guidelines from Pharmacy Board Malaysia. The curriculum is designed to produce graduates with a strong pharmaceutical and clinical background as well as a high interest in pharmacy entrepreneurship.

It is expected that the faculty will create more health professionals, not only for Bachelor of Pharmacy programme but also in postgraduate programmes. The graduates are envisaged to contribute in the well-being of the community and to Malaysia's economy.

Vision

The Faculty of Pharmacy of UniSZA aspires to be innovative and sustainable in education, research and practice relating to pharmaceutical sciences.

Mission

The Faculty of Pharmacy of UniSZA will produce health professionals who will attend to the needs of the community through integration of various disciplines of knowledge and technologies.

Faculty Management

DEAN



Prof. Dr. Ab Fatah Ab Rahman

DEPUTY DEAN

Academic & Graduate



Dr. Norsyafikah Asyilla Nordin

Student & Alumni Affairs



Dr. Syaliza Omar

Programme Coordinator



Dr. Zalina Zahari

Senior Assistant Registrar



Zaleha Mat Ya'acob

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Pharmaceutical Technology



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Administration Staff

Senior Assistant Registrar



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Assistant Administrative Officer



Fairuz Zakaria

Office Assistant Secretary



Siti Hawa Abd Halim
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Administrative Assistant



Nur Ain Naziha Othman
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Operation Assistant



Abdul Shukur Yahya
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PROGRAMME INFORMATION

Bachelor of Pharmacy (Honours)

The programme is designed to produce graduates with a strong pharmaceutical and clinical background as well as a high interest in pharmacy entrepreneurship. With the current job saturation of pharmacists in the public sector, future graduates can no longer expect to easily find jobs waiting for them in government hospitals. Therefore, a new paradigm is needed to instil a culture of 'job creators' among them.

Exposure to community pharmacy practice is made very early in the program in the form of regular retail pharmacy attachments. With this early exposure to pharmacy practice in the community setting, students are able to identify and establish their roles and functions in the community.

Students will obtain their clinical experience during the final year of the program. They will have sufficient experience working with and handling drug related issues with customers/patients, and they bring these experiences into their final year clinical and hospital clerkships. Such prior exposures will help enrich their final year clerkships in the hospital setting.

Programme Objectives

The aim of the programme is:

- i. To provide a foundation for the purpose of planning and facilitating activities regarding administration, management and handling of academic programs relating to pharmacy and pharmaceutical sciences.
- ii. To provide cutting-edge facilities to support the development and expansion of the main professional program, that is, the bachelor of pharmacy program.
- iii. To serve as a centre for the planning, development and expansion of quality multi-disciplinary post graduate programs relating to pharmacy and pharmaceutical sciences to meet the national and international needs.
- iv. To explore and establish research activities, publication, and consultation in pharmacy and pharmaceutical sciences that will lead to the establishment of centers of excellence which will become reputable centers of reference.
- v. To lead the provision of community services towards increasing the quality of health care through continuous health education, and rational drug use.

Programme Educational Outcomes (PEO)

1. Knowledgeable, and technically and clinically competent in any branch of pharmacy in-line with the government and industry requirement.
2. Effective in communication and demonstrate good leadership quality in an organization.
3. Capable to solve pharmacy-related problems scientifically, creatively and ethically through sustainable approach.
4. Able to recognise the need of life-long learning in pharmacy for successful career advancement and to demonstrate entrepreneurship skills.

Programme Learning Outcome (PLO)

At the end of the Bachelor of Pharmacy (Honours) programme, the students will be able to:

- PLO1 : Acquire and apply knowledge of pharmaceutical sciences, pharmacy practice and clinical pharmacy in the practice of pharmacy
- PLO2 : Demonstrate comprehensive pharmaceutical and clinical expertise in the practice of pharmacy
- PLO3 : Assume versatile social skills and caring responsibility to facilitate community-focused healthcare
- PLO4 : Exhibit outstanding values, attitude and professionalism which are in line with the pharmacist's code of ethics and professional conduct, as well as existing legislations
- PLO5 : Communicate effectively and capable of leading team-networking with peers, other healthcare professionals and the community
- PLO6 : Identify, formulate and provide evidence-based, creative and effective solution to pharmacy-related problems
- PLO7 : Recognize the need for and to engage in life-long learning, professional development and research by utilising ICT and information management
- PLO8 : Explore current and innovative pharmacy-related management and entrepreneurial skills towards future career advancement

Duration of the Programme

Study Mode	Minimum	Maximum
Full time	8 semesters (4 years)	10 semesters (5 years)

Entry Requirements

STPM	MATRICULATION / FOUNDATION	DIPLOMA
1. Passed with at least CGPA of 3.50 at STPM level AND 2. Obtained at least Grade B at STPM level for the following subjects: ➤ Biology ➤ Chemistry ➤ Physics / Mathematics (T) / Mathematics (M) AND 3. Obtained at least Grade B at SPM level for the following subjects: ➤ Biology ➤ Chemistry ➤ Physics ➤ Mathematics / Additional Mathematics ➤ ONE (1) other subject NOT INCLUDING Bahasa Melayu AND 4. Obtained at least Grade C at SPM level for Bahasa Melayu and English subjects AND 5. Passed MUET with at least BAND 3 AND 6. No physical disabilities and impairment in speech, hearing and vision	1. Passed with at least CGPA of 3.50 at Matriculation / Foundation level AND 2. Obtained at least Grade B at Matriculation / Foundation level for the following subjects: ➤ Biology ➤ Chemistry ➤ Physics / Mathematics AND 3. Obtained at least Grade B at SPM level for the following subjects: ➤ Biology ➤ Chemistry ➤ Physics ➤ Mathematics / Additional Mathematics ➤ ONE (1) other subject NOT INCLUDING Bahasa Melayu AND 4. Obtained at least Grade C at SPM level for Bahasa Melayu and English subjects AND 5. Passed MUET with at least BAND 3 AND 6. No physical disabilities and impairment in speech, hearing and vision	1. Passed with at least CGPA of 3.50 in Diploma of Pharmacy OR Passed with at least CGPA of 3.75 in Diploma of Science (Chemistry / Biology / Physics) AND 2. Obtained at least Grade B at Diploma level for the following subjects: ➤ Biology ➤ Chemistry ➤ Physics / Mathematics AND 3. Obtained at least Grade B at SPM level for the following subjects: ➤ Biology ➤ Chemistry ➤ Physics ➤ Mathematics / Additional Mathematics ➤ ONE (1) other subject NOT INCLUDING Bahasa Melayu AND 4. Obtained at least Grade C at SPM level for Bahasa Melayu and English subjects AND 5. Passed MUET with at least BAND 3 AND 6. No physical disabilities and impairment in speech, hearing and vision

Curriculum Structure

Bachelor of Pharmacy (Honours) programme is a full-time programme that shall be completed in a **minimum of 8 semesters and not more than 10 semesters**. Total credit hours throughout the programme are **142 hours** consisting of core, elective and university courses. The courses offered by the faculty are comprised of six disciplines including Pharmaceutical Chemistry, Pharmaceutical Technology, Pharmacology, Basic Health Sciences, Clinical Pharmacy and Pharmacy Practice.

Programme Structure

Category	Course Name	Credit Hours
University Courses	University General Courses	13
	English Language Courses	4
	Foreign Language Elective Courses	2
Core Courses	Faculty Core Courses	115
Elective Courses	Faculty Elective Courses	6
	Other Faculty Elective Courses	2
TOTAL		142

Course Structure

Year 1 (2019/2020), Semester 1

Category	Course Code	Course Name	Credit Hours
Core Courses	PHM 10103	Organic & Inorganic Chemistry	3
	PHM 10202	Biochemistry	2
	PHM 10303	General & Peripheral Nervous System Pharmacology	3
	PHM 10402	Human Anatomy & Physiology I	2
	PHM 10502	Fundamentals of Pharmacy Practice	2
University Courses	MPU 31022	Tamadun Islam dan Tamadun Asia	2
	MPU 33012 / MPU 33022	Ilmu Wahyu dan Sains / Moral dan Etika II	2
	PBI 10102	English For Communication I	2
TOTAL			18

Year 1 (2019/2020), Semester 2

Category	Course Code	Course Name	Credit Hours
Core Courses	PHM 10602	Pharmaceutical Microbiology & Sterile Preparations	2
	PHM 10703	Medicinal Chemistry	3
	PHM 10802	Physical Pharmacy	2
	PHM 10902	Human Anatomy & Physiology II	2
	PHM 11002	Pharmacoinformatics	2
University Courses	KK *****	Co-Curriculum	3
	PBI 10202	English For Communication II	2
	MPU 33032 / MPU 33042	Ilmu Wahyu dan Kemasyarakatan / Perbandingan Agama II	2
	PBI *****	Foreign Language Elective Courses	2
TOTAL			20

Year 2 (2020/2021), Semester 1

Category	Course Code	Course Name	Credit Hours
Core Courses	PHM 20103	Dosage Form Design I (Liquid & Semi-Liquid)	3
	PHM 20202	Pharmacology of GIT & Hepatobiliary System	2
	PHM 20302	Phytochemistry	2
	PHM 20403	Pharmaceutical Biotechnology & Immunology	3
University Course	MPU 31012	Hubungan Etnik	2
Elective Courses	PHM 20502 / PHM 20602	Personal Care Products & Medical Devices / Veterinary Pharmacy	2
	-	Other Faculty Elective Courses	2
TOTAL			16

Year 2 (2020/2021), Semester 2

Category	Course Code	Course Name	Credit Hours
Core Courses	PHM 20703	Pharmaceutical Analysis	3
	PHM 20803	Pharmacognosy	3
	PHM 20903	Dosage Form Design II (Solid Pharmaceuticals)	3
	PHM 21003	Cardiovascular, Renal & Respiratory Pharmacotherapeutics	3
	PHM 21102	Central Nervous System Pharmacotherapeutics	2
	PHM 21202	Pharmacy Management	2
	PHM 21302	Biopharmaceutics And Pharmacokinetics	2
University Courses	MPU 32092	Asas Pembudayaan Keusahawanan	2
TOTAL			20

Year 3 (2021/2022), Semester 1

Category	Course Code	Course Name	Credit Hours
Core Courses	PHM 30103	Research Methodology	3
	PHM 30202	Biostatistics	2
	PHM 30303	Formulation, Characterisation & Packaging	3
	PHM 30402	Pharmacy Law & Ethics	2
	PHM 30502	Manufacturing Pharmacy	2
	PHM 30602	Pharmacy Entrepreneurship	2
	PHM 30703	Endocrine, Reproductive & Genito-Urinary System Pharmacotherapeutics	3
Elective Courses	PHM 30802 / PHM 30902	Substance Use & Abuse / Business Studies For Pharmacists	2
TOTAL			19

Year 3 (2021/2022), Semester 2

Category	Course Code	Course Name	Credit Hours
Core Courses	PHM 31002	Chemometrics For Pharmaceutical Applications	2
	PHM 31103	Antimicrobial & Cytotoxic Pharmaceuticals	3
	PHM 31204	Therapeutics I (CVS & GIT)	4
	PHM 31303	Public Health Pharmacy	3
	PHM 31405	Pharmacy Research	5
	PHM 31503	Hospital Pharmacy Practice	3
TOTAL			20

Year 4 (2022/2023), Semester 1

Category	Course Code	Course Name	Credit Hours
Core Courses	PHM 40103	Therapeutics II (Endocrinological, GUT Disorders)	3
	PHM 40203	Clinical Pharmacokinetics & Pharmacogenomics	3
	PHM 40303	Therapeutics III (Neurology, Psychiatry, Dermatology & Pain)	3
	PHM 40402	Medication Review & Counselling	2
Elective Courses	PHM 40502 / PHM 40602	Health Behaviour & Health Education / Smoking Cessation Certification Programme	2
TOTAL			13

Year 4 (2022/2023), Semester 2

Category	Course Code	Course Name	Credit Hours
Core Courses	PHM 40704	Therapeutics IV (Infectious Disease, Oncology & Respiratory Diseases)	4
	PHM 40802	Toxicology	2
	PHM 40902	Manufacturing Pharmacy Clerkship	2
	PHM 41006	Community Pharmacy Clerkship	6
	PHM 41102	Traditional & Complementary Medicine	2
TOTAL			16

Faculty Core Courses

NO.	COURSE CODE	COURSE NAME	CREDIT HOURS
1.	PHM 10103	Organic & Inorganic Chemistry	3
2.	PHM 10202	Biochemistry	2
3.	PHM 10303	General & Peripheral Nervous System Pharmacology	3
4.	PHM 10402	Human Anatomy & Physiology I	2
5.	PHM 10502	Fundamentals Of Pharmacy Practice	2
6.	PHM 10602	Pharmaceutical Microbiology & Sterile Preparations	2
7.	PHM 10703	Medicinal Chemistry	3
8.	PHM 10802	Physical Pharmacy	2
9.	PHM 10902	Human Anatomy & Physiology II	2
10.	PHM 11002	Pharmacoinformatics	2
11.	PHM 20103	Dosage Form Design I (Liquid & Semi-Liquid)	3
12.	PHM 20202	Pharmacology Of GIT & Hepatobiliary System	2
13.	PHM 20302	Phytochemistry	2
14.	PHM 20403	Pharmaceutical Biotechnology & Immunology	3
15.	PHM 20703	Pharmaceutical Analysis	3
16.	PHM 20803	Pharmacognosy	3
17.	PHM 20903	Dosage Form Design II (Solid Pharmaceuticals)	3
18.	PHM 21003	Cardiovascular, Renal & Respiratory Pharmacotherapeutics	3
19.	PHM 21102	Central Nervous System Pharmacotherapeutics	2
20.	PHM 21202	Pharmacy Management	2
21.	PHM 21302	Biopharmaceutics And Pharmacokinetics	2
22.	PHM 30103	Research Methodology	3
23.	PHM 30202	Biostatistics	2
24.	PHM 30303	Formulation, Characterisation & Packaging	3
25.	PHM 30402	Pharmacy Law & Ethics	2
26.	PHM 30502	Manufacturing Pharmacy	2
27.	PHM 30602	Pharmacy Entrepreneurship	2

28.	PHM 30703	Endocrine, Reproductive & Genito-Urinary System Pharmacotherapeutics	3
29.	PHM 31002	Chemometrics For Pharmaceutical Applications	2
30.	PHM 31103	Antimicrobial & Cytotoxic Pharmaceuticals	3
31.	PHM 31204	Therapeutics I (CVS & GIT)	4
32.	PHM 31303	Public Health Pharmacy	3
33.	PHM 31405	Pharmacy Research	5
34.	PHM 31503	Hospital Pharmacy Practice	3
35.	PHM 40103	Therapeutics II (Endocrinological, GUT Disorders)	3
36.	PHM 40203	Clinical Pharmacokinetics & Pharmacogenomics	3
37.	PHM 40303	Therapeutics III (Neurology, Psychiatry, Dermatology & Pain)	3
38.	PHM 40402	Medication Review & Counselling	2
39.	PHM 40704	Therapeutics IV (Infectious Disease, Oncology & Respiratory Diseases)	4
40.	PHM 40802	Toxicology	2
41.	PHM 40902	Manufacturing Pharmacy Clerkship	2
42.	PHM 41006	Community Pharmacy Clerkship	6
43.	PHM 41102	Traditional & Complementary Medicine	2
TOTAL CREDIT HOURS			115

Faculty Elective Courses

NO.	COURSE CODE	COURSE NAME	CREDIT HOURS
1.	PHM 20502	Personal Care Products & Medical Devices	2
2.	PHM 20602	Veterinary Pharmacy	
3.	PHM 30802	Substance Use & Abuse	2
4.	PHM 30902	Business Studies For Pharmacists	
5.	PHM 40502	Health Behaviour & Health Education	2
6.	PHM 40602	Smoking Cessation Certification Programme	
TOTAL CREDIT HOURS			6

Students are required to choose **ONLY THREE** faculty elective courses offered during respective semesters.

Faculty Core and Elective Courses Synopsis

SEMESTER 1 (YEAR 1)		
Course Code	Course Name	Credit Hours
PHM 10103	Organic & Inorganic Chemistry This course is designed to introduce students to the analytical organic and inorganic chemistry. It outlines the reactions, some techniques such as analysis and uses of molecules containing one functional group such as alcohols, aldehydes, ketones, carboxylic acids, amines in both aliphatic and aromatic. The course includes compulsory laboratory experiments, and student will be guided to conduct experiments that cover techniques, methods, observations and data collections.	3
PHM 10202	Biochemistry This course discusses the major components and characteristics of biochemical processes occurring in living system. The topics discussed include; physico-chemical properties and functions of carbohydrates, proteins, lipids and nucleic acids; enzymology including enzyme kinetics, mechanism of reaction and factors that influence enzyme activity; bioenergetics, integration and control of metabolism of carbohydrates, protein, lipids and nucleic acids; role of nucleic acids in genetics and reproduction; biochemical nature of membranes, hormones and their functions.	2
PHM 10303	General & Peripheral Nervous System Pharmacology This module is to provide students with the basic understanding of receptors in drug action, the mechanisms of drug action and disposition of drugs by the body. The module also provides the basic information of drug interactions, toxicity and process of drug development. This module also introduces the anatomy, physiology and pathophysiology of the peripheral nervous system. In addition, this module provides the students with knowledge of drugs that affect the autonomic nervous system, their clinical uses and side-effects.	3
PHM 10402	Human Anatomy & Physiology I This course is designed to provide an introduction to integrative human systems physiology as a basis for the study of systematic pharmacology and therapeutics.	2
PHM 10502	Fundamentals of Pharmacy Practice Besides tapping on the historical aspects of pharmacy practice, this course provides primary knowledge required for pharmacy-oriented settings. Students are initially exposed to pharmacy/medical terminologies as well as the related abbreviations. Fundamentals of preparing, compounding, formulating and dispensing medication are introduced. Basic issues concerning pharmaceutical calculations, prescription reading, analysis, labelling and law requirements are exposed in relation to the various pharmaceutical dosage forms, routes of administration and over-the-counter drugs. The pharmacist's roles	2

and responsibilities as a professional healthcare provider in hospital, industry and community healthcare system framework are importantly discussed. In addition, current and recent topics e.g. pharmacogenomics, technological automation, pharmacy practice specialisation, health empowerment are incorporated.

SEMESTER 2 (YEAR 1)

PHM 10602	Pharmaceutical Microbiology & Sterile Preparations	2
	This course covers topics such as bacterial structure which includes the size and morphology of bacteria, external structures involved with movement of cells and attachment and even the formation of endospores. This course also introduces basic microbiological techniques such as microscopic observation techniques, staining, isolation, culture, maintenance and storage of pure cultures and even enumeration of bacteria. Students will also be introduced to topics such as bacterial growth, microbial nutrition and metabolism, bacterial genetics and classification of microorganisms. The principles of infection, and host-pathogen relationship will also be covered. Finally, students will also be taught on fungi, viruses and parasites on the aspects of structure, classification and clinical significance. For aseptic techniques, student will be learnt how to prepare, label, compound, and produce sterile preparations. Describe the basic principles of sterilization, methods used, and preservation and its application and apply tests that are relevant to sterile products.	
PHM 10703	Medicinal Chemistry	3
	This course begins with a brief coverage of the basic principles of Medicinal Chemistry and moves on to deal with chemical nomenclature, synthesis, mechanisms of action, brand names, uses and side effects of the following classes of drugs: autonomic drugs, cardiovascular drugs, hormonal agents, prostaglandins and eicosanoids etc. The other aspects covered are the drug's target, the principle of drug action, interaction among drugs as well as the concept behind drug discovery and development. Here, the students will be exposed to concepts such as rational drug design, structure-activity relationships, combinatorial chemistry and computer aided drug design.	
PHM 10802	Physical Pharmacy	2
	Topics discussed are the states of matter and physicochemical properties of each state and the clinical implications, drug solubility and distribution phenomenon, diffusion, dissolution, colligative properties, ideal and real solutions, buffered and isotonic solutions, drug ionization, complexation and interfacial phenomena at liquids and solid surfaces. This course also covers polymers, pharmaceutical suspensions, pharmaceutical emulsions, colloids, surfactants and rheology of liquids. The students will be exposed to the terms, definitions, concepts, theories, principles and applications of the above topics.	

PHM 10902 Human Anatomy & Physiology II 2

This course is designed to provide an introduction to integrative human systems physiology as a basis for the study of systematic pharmacology and therapeutics.

PHM 11002 Pharmacoinformatics 2

The course introduces students to expert and knowledge-based systems, artificial intelligence, online pharmacy and medical databases, computerised patient records, healthcare information systems, molecular modelling and computer-aided drug discovery and design, and bioinformatics. Information technology applications such as telehealth, telemedicine, and robotics and automation in pharmacy are explained, including their implications on law and ethics of healthcare and business-related issues. Students will also be exposed to relevant skills in working with common operation systems through laboratory practicals – usage of MS Office applications such as Word, Excel and Access in the context of professional communication, pharmacy and medical data management, and webpage development (HTML, JavaScript). Pharmacological and medical information using search engines and online databases, such as drug information databases, and online library catalogues are also emphasized besides being acquainted to molecular modelling software used in drug discovery and design and molecular biology databases. The integral part of the course is the development of web pages.

SEMESTER 1 (YEAR 2)

PHM 20103 Dosage Form Design I (Liquid & Semi-Liquid) 3

This course covers the principles relating to the various non-sterile pharmaceutical, dosage forms, understanding and interpretation of prescription and Latin abbreviations. The aim is to impart a detailed knowledge of the design, processing and manufacture of liquid and semi-solid pharmaceutical dosage forms and the associated technology. The importance concerning pharmaceutical calculations, method of preparation, dispensing procedures, prescription labelling, packaging of preparations and preservation are also emphasised.

PHM 20202 Pharmacology of GIT & Hepatobiliary System 2

The aim of this module is to develop knowledge of pathophysiology, pharmacology and clinical therapeutics relevant to gastrointestinal and hepato biliary disorders.

PHM 20302 Phytochemistry 2

The course aims to provide students with the necessary skills for separation of the active constituents obtained from natural sources in addition to the different methods of separation (chromatography) and then identify these active ingredients either in pure form or a mixture- as well as the different methods to evaluate these components and how to deal with the side effects of some components (if any) and how to

overcome and solve problems as well as how to deal with poisoning and abuse substances.

PHM 20403 Pharmaceutical Biotechnology & Immunology 3

This course provides a basic knowledge of the immune response and its involvement in health and disease. It also explore the basic concepts of biotechnology, examine the common tools and techniques of biotechnology and immunology, and learn how to incorporate biotechnology and immunology into the classroom to increase students' awareness of the industry and career opportunities.

PHM 20502 Personal Care Products & Medical Devices 2

This course introduces the students to the selection, importance of various products pertaining to medical devices, wound and skin care, hair care, colours make-up preparations, perfumery, baby products, dental care, and to regulatory aspects pertaining to their manufacture. Relevant physiology of skin and hair would also be dealt with. Aspects of good laboratory practice and good manufacturing practices would also be discussed.

PHM 20602 Veterinary Pharmacy 2

The course aims at introducing students to aetiology, sign and symptoms and treatment of common diseases in farm animals and pets using chemicals. Antibiotics are used to control bacterial and coccidial infections, anthelmintics to control worm infection, antiseptics for cleaning wounds, vaccines as prophylaxis and treatment of viral/bacterial infection, insecticides to control insects from spreading diseases, minerals and vitamins for prophylaxis and treatment of metabolic and deficiency disorders. Besides that the mechanism of action of antibiotics, antibacterials and growth promoters to increase growth rate of farm animals, action of disinfectants to prevent an outbreak of a disease, special formulation and delivery system for intensive animal farming are also discussed.

SEMESTER 2 (YEAR 2)

PHM 20703 Pharmaceutical Analysis 3

The course introduces the students to basic techniques and instrumentation for analysis of drugs in various body fluids. Principles of extraction, separation and quantitative analysis, including titrimetry and gravimetry will be discussed. General principles of chromatography, spectroscopy, NMR, ESR, Mass Spectrometry, Thermal Analysis and introduction to Super Critical Fluid Chromatography will be dealt with.

PHM 20803 Pharmacognosy 3

This course covers the history, scope and development of pharmacognosy. Important aspects related to herbs such classification, cultivation, collection, harvesting and evaluation of crude drugs are covered. Other aspects covered are phytochemistry, plant biosynthesis,

enzyme biotechnology, and plant tissue culture. Novel medicinal agents from marine source, study of herbal preparations, allergens, and new concepts such as nutraceuticals as well as important classes of phytochemicals is discussed. An overview is given of the important plants used in the management of cancer, diabetes, inflammation, liver disorders, hypertension and AIDS, as well as drug interactions between herbs and modern drugs.

PHM 20903 Dosage Form Design II (Solid Pharmaceuticals) 3

This course is designed to provide the students with an understanding of the physico-chemical characteristics of powders and polymers. Manufacture and evaluation of various solid dosage forms. Rheology and its applications in pharmacy practice.

**PHM 21003 Cardiovascular, Renal & Respiratory
Pharmacotherapeutics 3**

The aim of this module is to acquire knowledge of pathophysiology, pharmacology and clinical therapeutics relevant to respiratory, renal and cardiovascular disorders.

PHM 21102 Central Nervous System Pharmacotherapeutics 2

This module provides the students with the organisation and functions of the central nervous system and the pathophysiology of neurological and psychiatric disorders. The drugs used in the treatment CNS disorders and analgesics will also be discussed with respect to their mechanisms of action, side effects and clinical uses.

PHM 21202 Pharmacy Management 2

Through this course, students are introduced to the basic understanding and competencies necessary to assume a managerial role within various pharmacy settings, with emphasis on community pharmacy. In addition to the standard operating procedures in pharmaceutical settings, common managerial challenges are incorporated – management of customers, staff, finances, marketing and risks within the pharmaceutical sector in today's competitive business environment. Essentially the course highlights consideration of the fundamentals of managing the pharmacy as business unit in terms of its suppliers, its staff and customer profitably.

PHM 21302 Biopharmaceutics and Pharmacokinetics 2

This course covers the factors affecting drug absorption / bioavailability and the mathematical models used to describe the fate of a drug after its administration into the body. It also includes applying biopharmaceutics and pharmacokinetics in design / development of drug dosage regimes.

SEMESTER 1 (YEAR 3)

PHM 30103	Research Methodology 3 This course exposes students to fundamental research methods including literature search, study designs, instrumentations, data collection techniques, study procedures, data analysis, results interpretation and final report writing. Learning through utilisation of computer softwares are importantly emphasized e.g. NVivo, EndNote. At the end of the course, their performance is measured via the preparation and presentation of a related research proposal (based on supervisors' research fields) and the final exam. Overall, this course equips students with the necessary exposure, knowledge and skills to conduct a small-scale research study in the final year's Pharmacy Research course.
PHM 30202	Biostatistics 2 This course complements the Research Methodology course, as students will be learning basic statistical concepts and principles to assist data analysis and interpretation. Besides emphasis on the understanding of fundamental statistics and data presentation tools, practical sessions using the SPSS software are incorporated to facilitate actual analysis and exposure to data handling and management. This will help in their initial preparation of research proposal and ultimately their discussion of research findings.
PHM 30303	Formulation, Characterisation & Packaging 3 This course introduces the students with critical pharmaceuticals knowledge required by the community pharmacists – pharmaceutical, nutraceutical and cosmeceutical formulations, their chemical components and functions, as well as general characterization approaches essential in product registration and marketing. In addition, the students are educated about packaging and product stability aspects that have a strong bearing on product safety, quality and efficacy. National and international regulations that qualify the products will be imparted to enable the community pharmacists to identify sub-standard items.
PHM 30402	Pharmacy Law & Ethics 2 In this compulsory course, students are prepared for their Forensic Examination to qualify as pharmacy practitioners in Malaysia. General topics include key ethical concepts such as human rights, consent, confidentiality and the care of vulnerable patients as well as the basis and application of ethical, moral and professional conducts in pharmacy practice. In particular, the country's pharmacy laws such as the Registration of Pharmacists Act, Code of Conduct For Pharmacists And Bodies Corporate, Poisons Act, Dangerous Drug Act and other related regulations are disseminated. Several pertinent and current issues are also briefly discussed: palliative care and the end of life, new technologies in pharmacogenetics, and global aspects of pharmaceutical marketing.

PHM 30502	Manufacturing Pharmacy	2
	This course covers principles pertinent to working in the pharmaceutical industry. It includes an introduction to Good Manufacturing Practice (GMP), quality management, guidelines on registration of a product, control of the manufacturing environment and raw materials, control of pharmaceutical preparations and related products, packaging, storage and distribution, process optimisation and regulatory requirements.	
PHM 30602	Pharmacy Entrepreneurship	2
	The course intends to impart knowledge, skills, and abilities that student pharmacists require to tap on future entrepreneurial opportunities in the profession. It is designed to allow early development of entrepreneurial interest and skills through both didactic and experiential work, in attempts to expand the pharmacists' role beyond its traditional dispensing and counselling nature. Basic exposures to entrepreneurship concepts, strategic planning, purchasing, merchandising and business competition are all provided. The ultimate goal is to generate as many successful pharmacy entrepreneurs so as to act as job creators to reduce the increasing employment burden faced by the government sector. Consequently, the local communities will also benefit through more employment opportunities.	
PHM 30703	Endocrine, Reproductive & Genito-Urinary System Pharmacotherapeutics	3
	This module provides the students with the organisation and functions of endocrine system. The drugs used in the treatment of endocrine disorders will also be discussed with respect to their mechanisms of action, side effects and clinical uses.	
PHM 30802	Substance Use & Abuse	2
	This course provides students with knowledge about common abusable drugs coupled with the signs and symptoms of various types of drug abuse that leads an individual to become a drug addict. The treatment of addiction of various drugs and the impacts of drug abuse to the society and country are included. Additionally, the role of pharmacist in the management of drug use in society is emphasised via the recognition of individuals practicing irrational drug use or abuse with detrimental effects to the society. Recommendations on the appropriate management drug abuse will be discussed.	
PHM 30902	Business Studies for Pharmacists	2
	This is an elective course intended for students inclined to join or open up a new pharmacy business upon graduation. It provides a unique and challenging combination of general management principles, intertwined with financial, accounting and pharmacy aspects which prepares students for future business settings. Innovative practical experiences plus theoretical and applied concepts are expected to guide students create a successful business plan infused with strong pharmacy professionalism that is community-friendly not only for the benefit of population health but also to boost the local socioeconomic status.	

SEMESTER 2 (YEAR 3)

PHM 31002	Chemometrics for Pharmaceutical Applications This course covers the different types of pharmaceutical science data and chemometric methods that include descriptive, parametric and non-parametric statistics. Development of hypotheses and selection of suitable testing methods are discussed. Analysis of variance, correlation and regression will be discussed. Methods of statistical process control, experimental design and optimization as well as introduction to multivariate analysis and modelling for pharmaceutical studies will be introduced. The aim of the course is to explore chemometric techniques used in modern pharmaceutical practice and applications. Emphasis will be placed on case studies of pharmaceutical and clinical practice and on the practical application of the methods discussed.	2
PHM 31103	Antimicrobial & Cytotoxic Pharmaceuticals This module provides the students with knowledge of various antimicrobials with reference to its culture sensitivity and clinical usage. This module also discusses the principles of therapy and clinical usage of various anti-infective and cytotoxic agents. In addition, the students will be exposed to different types of antimicrobial topical preparations with respect to their use.	3
PHM 31204	Therapeutics I (CVS & GIT) This course provides students with aspects of pathophysiology and pharmacotherapy of common cardiovascular, and gastrointestinal tract disorders. Students are taught how to perform drug therapy assessment based on a case-oriented approach. From case studies, students use patient's information on clinical status including laboratory data and drug therapy to formulate desired therapeutic outcomes, identify drug related problems, counseling and monitoring.	4
PHM 31303	Public Health Pharmacy The course emphasises the importance of pharmacy practice and the expanding role of pharmacists in population health management. The two main branches of pharmacoepidemiology and pharmacoecconomics are discussed and the relevant concepts laid out, particularly in the context of measurement, analysis and research studies. Applications of pharmacoepidemiological tools and pharmacoecconomics analysis are expected from students, who should also demonstrate thorough understanding of the two relationships as well as being able to conduct research critique with regard to drug investigations.	3

PHM 31405 Pharmacy Research 5

This course serves as a continuation from the Research Methodology course in the 5th semester whereby a small-scale research (laboratory or field studies) would be conducted by the students in the pre-selected areas. For final assessment purposes, they are expected to present the outcomes orally as well as in the form of a dissertation (i.e. final report). The dissertation format closely follows one usually prepared for a postgraduate thesis according to the university regulations. Overall, students learn the vital hands-on research aspects, handling related issues as well as the techniques of proper academic writing, citing, referencing and where possible, conference presentation and publication in scientific journals.

PHM 31503 Hospital Pharmacy Practice 3

This course provides students with perspective of providing various pharmacy services in the hospital setting such as drug information service, therapeutic drug monitoring, ward drug supply, outpatient drug supply, drug counselling and aseptic services. The course is further strengthened by case-based discussions and attachment/clerkship in the hospital.

SEMESTER 1 (YEAR 4)

PHM 40103 Therapeutics II (Endocrinological, GUT Disorders) 3

This course provides students with aspects of pathophysiology and pharmacotherapy of common endocrinological, and genitourinary tract disorders. Students are taught how to perform drug therapy assessment based on a case-oriented approach. From case studies, students use patient's information on clinical status including laboratory data and drug therapy to formulate desired therapeutic outcomes, identify drug related problems, counseling and monitoring.

PHM 40203 Clinical Pharmacokinetics & Pharmacogenomics 3

This course integrates aspects of pharmacokinetics and pharmacotherapy of selected drugs and disease states in patient care. Students are taught how to perform pharmacokinetic calculations based on a case-oriented approach. From case studies, students use patient's information on clinical status including laboratory data, concentration data and drug therapy to formulate desired therapeutic plan and monitoring. This course provides student a basic understanding of the role of pharmacogenomics in clinical pharmacy practice especially on the aspects of polymorphism and variability in drug response.

PHM 40303	Therapeutics III (Neurology, Psychiatry, Dermatology & Pain)	3
	This course provides students with aspects of pathophysiology and pharmacotherapy of common musculoskeletal, neurological, psychiatric disorders and dermatological diseases. Students are taught how to perform drug therapy assessment based on a case-oriented approach. From case studies, students use patient's information on clinical status including laboratory data and drug therapy to formulate desired therapeutic outcomes, identify drug related problems, counseling and monitoring.	
PHM 40402	Medication Review & Counselling	2
	This course emphasis on the application of pharmaceutical care principal in drug counseling service, consultation and health promotion to patients with chronic diseases. The main focus is to build talent and clinical skill to identify and solve drug used and drug taking problem. Techniques for clinical medication review (CMR) for patients with chronic diseases will be discussed. Community visits for Home medication review (HMR) will be arranged.	
PHM 40502	Health Behaviour & Health Education	2
	This elective course prepares students of pharmacy to understand human behaviour in relation to health and interact effectively with the public in the process of imparting health education (which is part of health promotion). Health behaviour theories that are most relevant to health education are essentially explored and the most current information on theory, research, and practice at individual, interpersonal, and community and group levels is analysed. Current and emerging theories of health communication, e-health, culturally diverse communities, health promotion, the impact of stress, the importance of networks and community, social marketing, and evaluation are all included. To ensure constant touch with reality, students will also be exposed to field work i.e. community engagement programme, so that interaction with the public is encouraged.	
PHM 40602	Smoking Cessation Certification Programme	2
	This course will teach student to screen, assess and treat people with tobacco dependence. Tools and techniques for enhancing motivation and running cessation groups are also covered. Aspects covered are: major clinical implications of smoking prevalence; accurate information surrounding tobacco use and dependence; evidence-based screening and assessment tools and psycho-social interventions for tobacco dependence; evidence-based use of pharmacotherapies in tobacco cessation and their therapeutic use; motivational interviewing strategies into clinical practice with clients who are ambivalent towards behaviour change; treatment plans for specific populations with high tobacco use prevalence and/or risk; tobacco control policy framework; harm reduction strategies with clients who are not ready to quit smoking; additional clinical tools and resources to use in clinical practice and continuing professional development.	

SEMESTER 2 (YEAR 4)		
PHM 40704	Therapeutics IV (Infectious Disease, Oncology & Respiratory Diseases) This course provides students with aspects of pathophysiology and pharmacotherapy of common infectious and respiratory diseases, and cancer. Students are taught how to perform drug therapy assessment based on a case-oriented approach. From case studies, students use patient's information on clinical status including laboratory data and drug therapy to formulate desired therapeutic outcomes, identify drug related problems, counseling and monitoring.	4
PHM 40802	Toxicology This module introduces the students to the basic topics in toxicology. It is intended to equip the students with the knowledge of toxicological measurements, testing methods and toxic effects at various target organs such as liver, lungs, heart, kidneys and central nervous system. The toxic effects of chemicals such as insecticides, weed killers, carcinogen, teratogens, mutagens and substances causing oxidative stress will be discussed.	2
PHM 40902	Manufacturing Pharmacy Clerkship The student will be trained at various sectors of a manufacturing organization. They shall be imparted with knowledge on industrial pharmacy, business studies and components related to such practice during their industrial attachment. This training period is complementary to Industrial Pharmacy course which covers principles pertinent to working in the pharmaceutical industry. During this time, the student will experience how Good Manufacturing Practice (GMP), quality management, guidelines on registration of a product, control of the manufacturing environment and raw materials, control of pharmaceutical preparations and related products, packaging, storage and distribution, process optimisation and regulatory requirements are put into place in the day-to-day running of pharmaceutical manufacturing or production company.	2
PHM 41006	Community Pharmacy Clerkship This is a 6-week unique course whereby students will initially be exposed to hands-on mock community dispensing in practical laboratory for 2 weeks. They will then continue with real-life exposure and hands-on training on professional dispensing, counselling, OTC sales and general management of local retail/community pharmacies for the remaining 4 weeks. In addition to enhancing their expertise on responding to minor symptoms, students will be expected to polish their combined skills on customer interactions, sales and ordering of medicines as well as the overall business management of such outlets.	6

PHM 41102

Traditional & Complementary Medicine

2

With this course Pharmacy student will be exposed to the basic concept of Traditional and Complementary Medicine (T&CM) and the different types of T&CM services available in Malaysia. Students will also be exposed to the National T&CM Policy and T&CM Act which covers the expectation and the enforcement that come with them. Special focus would be given to the four main medical system as mentioned in the National T&CM Policy, ie. Traditional Malay Medicine, Traditional Chinese Medicine, Traditional Indian Medicine (Ayurvedic) and Homeopathic Medicine. Some focus would also be given to other common Complementary Medicine, which seems reliable and safe. To improve student comprehension, this course also scheduled some fieldwork to T&CM practice sites available in Kuala Terengganu. These include T&CM Services at T&CM Units in various hospital in Ministry of Health Malaysia as well as Malay Traditional Medicine, Chinese Traditional Medicine, Indian Traditional Medicine and Homeopathic Medicine services, which are registered with T&CM Division of Ministry of Health Malaysia.

University Courses

NO.	COURSE CODE	COURSE NAME	CREDIT HOURS
1.	MPU 31022	Tamadun Islam dan Tamadun Asia	2
2.	MPU 33012	Ilmu Wahyu & Sains	2
	MPU 33022	Moral Dan Etika II (Non-Muslim Student)	
3.	MPU 31012	Hubungan Etnik	2
4.	MPU 32092	Asas Pembudayaan Keusahawanan	2
5.	MPU 33032	Ilmu Wahyu dan Kemasyarakatan	2
	MPU 33042	Perbandingan Agama II (Non-Muslim Student)	
6.	PBI 10102	English for Communication I	2
7.	PBI 10202	English for Communication II	2
8.	PBI 10302	Pengantar Bahasa Arab Kebangsaan*	2
	PBI 10402	Pengantar Bahasa Arab Agama*	
	PBI 10502	Bahasa Mandarin*	
	PBI 10602	Bahasa Jepun*	
	PBI 10702	Bahasa Thai*	
	PBI 10802	Bahasa Vietnam*	
	PBI 11002	Bahasa Melayu Asas II*	
9.	KKX xxxxx	Co-Curriculum	3
TOTAL CREDIT HOURS			19

***Foreign Language – Students are required to choose ONLY ONE course.**

Co-Curriculum Courses

NO.	CATEGORY	COURSE CODE	COURSE NAME
1	Kebudayaan	KKD 11003	Alat Muzik Moden
		KKD 11103	Koir
		KKD 10903	Muzik Gamelan
		KKD 10303	Muzik Kompang
		KKD 10403	Seni Tari
		KKD 10203	Taranum
		KKD 10503	Teater
2.	Teras Kemasyarakatan & Sukarelawan	KKV 10103	Projek Khidmat Masyarakat
		KKV 10203	Pemadam
3.	Teras Keusahawanan & Pembinaan Diri	KKN 10303	Asas Pengucapan Awam
		KKN 10603	Asas Kewartawanan
		KKN 10703	Fotografi
		KKN 10203	Katering
		KKY 10103	Pengakap Kelana Siswa I
		KKN 10503	Rakan Kaunselor
4.	Teras Sukan	KKX 11203	Asas Pelayaran
		KKX 11603	Bola Baling
		KKX 10803	Ekuestrian
		KKX 10903	Golf
		KKX 12003	Hoki
		KKX 12303	Karatedo
		KKX 11303	Kayak
		KKX 10503	Memamah
		KKX 12203	Rowing
		KKX 10203	Sepak Takraw
		KKX 10603	Taekwando
		KKX 10403	Tenis
		KKX 10703	Tenpin - Boling
5.	Teras Pasukan Pakaian Seragam Tanpa Senjata	KKY 10311	KOR SISPA I
		KKY10321	KOR SISPA II
		KKY20331	KOR SISPA III
		KKY20341	KOR SISPA IV
		KKY30351	KOR SISPA V

NO.	COURSE CODE	COURSE CODE	COURSE NAME
6.	Teras Pasukan Pakaian Seragam Bersenjata	KKW 10311	KOR PALAPES UDARA I
		KKW 10321	KOR PALAPES UDARA II
		KKW 20331	KOR PALAPES UDARA III
		KKW 20341	KOR PALAPES UDARA IV
		KKW 30351	KOR PALAPES UDARA V
		KKW 30361	KOR PALAPES UDARA VI
		KKW 10211	KOR-SUKSIS I
		KKW 10221	KOR-SUKSIS II
		KKW 20231	KOR-SUKSIS III
		KKW 20241	KOR-SUKSIS IV
		KKW 30251	KOR-SUKSIS V
		KKW 30261	KOR-SUKSIS VI
		KKW 10411	KOR SISKOR I
		KKW 10421	KOR SISKOR II
		KKW 20431	KOR SISKOR III
		KKW 20441	KOR SISKOR IV
		KKW 10611	WATANIAH NEGARA I
		KKW 10621	WATANIAH NEGARA II
		KKW 20631	WATANIAH NEGARA III
		KKW 20641	WATANIAH NEGARA IV
		KKW 30651	WATANIAH NEGARA V
		KKW 30661	WATANIAH NEGARA VI

University Courses Synopsis

Course Code	Course Name	Credit Hours
MPU 31022	Tamadun Islam & Tamadun Asia (TITAS)	2
	Kursus ini membincangkan ilmu ketamadunan yang meliputi pengenalan ilmu ketamadunan, perkembangan dan interaksi ketamadunan dalam Tamadun Islam, Melayu, Cina, India serta isu ketamadunan kontemporari dalam Tamadun Islam dan Tamadun Asia. Kursus ini bertujuan memberi kefahaman mengenai setiap elemen tersebut dan implikasinya terhadap proses pembangunan negara. Selain itu, perbincangan dan perbahasan dalam kursus ini turut berperanan dalam usaha melahirkan pelajar yang mengetahui warisan sejarah negara, memupuk nilai murni, mempunyai jati diri kebangsaan dan menghargai kepelbagaian.	
MPU 33012	Ilmu Wahyu & Sains	
	Kursus ini ditawarkan kepada pelajar bertujuan memberi pendedahan berhubung konsep dan kategori akidah, aliran pemikiran, wahyu dan sains. Isu dan cabaran dalam akidah masyarakat Islam juga ditimbulkan. Perbincangan sains yang terdapat di dalam al-Quran dan hadis (al-i'jaz al-'ilmi) difokuskan kepada konsep wahyu dan sains, tokoh-tokoh sains Islam, sains fizikal, sains hayat, kejuruteraan dan kesenian Islam dan geologi. Perbincangannya dikupas dari aspek persamaan dan perbezaan di antara penemuan sains dengan fakta-fakta yang terdapat di dalam al-Quran dan hadis dan hukum-hukum syariah berkaitan. Selain itu, pelajar juga diberi pendedahan ilmu al-Quran merangkumi makhrāj huruf dan sifat-sifatnya, hukum-hukum nun sakinah dan tanwin, mim sakinah, mad dan qasar serta waqaf dan ibtida' dan sebagainya. Pelajar juga dikehendaki menghafaz surah-surah pilihan.	
MPU 33022	Moral Dan Etika II	2
	Kursus ini mendedahkan kepada pelajar tentang konsep moral dan teori-teori etika dan sistem nilai; nilai agama, kepercayaan agar dapat diaplikasikan dalam kehidupan seharian. Konsep asas nilai, definisi, fungsi dan jenis-jenisnya seperti konsep kebaikan, kebahagiaan, kebenaran, kesalahan dan status moral akan diperkenalkan. Persoalan hak dan ilmu pengetahuan moral serta permasalahan etiaka akan diajar lebih mendalam. Nilai agama dan kepercayaan dalam masyarakat dan isu moral setempat serta univesal akan diberi penekanan. Isu hak dalam masyarakat juga diberi pendedahan kepada pelbagai teori etika. Ajaran setiap agama mengenai moral dan etika akan dibincangkan. Kursus ini penting untuk membentuk personaliti individu dan membentuk nilai masyarakat majmuk di Malaysia.	
MPU 31012	Hubungan Etnik	2
	Kursus ini membincangkan konsep asas, latar belakang dan realiti sosial masa kini hubungan etnik di Malaysia dan perspektif kesepaduan sosial. Tujuan kursus ini ialah memberikan kesedaran dan penghayatan dalam mengurus kepelbagaian ke arah pengukuhan negara bangsa. Pengajaran dan pembelajaran akan dilaksanakan dalam bentuk pembelajaran berasaskan pengalaman melalui aktiviti individu, berpasukan dan semangat kesukarelaan. Di akhir kursus ini, pelajar diharapkan dapat mengamalkan	

nilai-nilai murni, mempunyai jati diri kebangsaan dan menerima kepelbagaian sosio-budaya etnik-etnik di Malaysia.

MPU 32092	Asas Pembudayaan Keusahawanan	2
Kursus ini memberi pendedahan kepada pelajar tentang ilmu keusahawanan. Ia merangkumi konsep dan perkembangan keusahawanan, analisis kompetensi keusahawanan diri, etika keusahawanan dan kepentingan aspek kreativiti dan inovasi dalam keusahawanan. Ia juga membincangkan peluang perniagaan, kemahiran memulakan perniagaan, merancang perniagaan dan kemahiran mengurus projek perniagaan. Seterusnya pelajar perlu menyertai aktiviti keusahawanan secara praktikum, mereka didedahkan dalam segala aspek yang terlibat seperti perancangan modal, pemasaran seterusnya pembangunan produk dan proses. Latihan amali didedahkan kepada setiap pelajar secara melaksanakan projek keusahawanan dalam kumpulan.		
MPU 33032	Ilmu Wahyu dan Kemasyarakatan	2
Kursus ini membincangkan isu-isu kemasyarakatan yang terkandung dalam al-Quran dan hadis. Pelajar akan didedahkan kepada aspek ilmu akal, hubungan kekeluargaan, hubungan sosial, adab dan budaya, perhiasan, seni dan hiburan, globalisasi dan pemikiran, media dan dokumentari. Perbincangan difokuskan kepada garis panduan yang disediakan dalam al-Quran dan hadis dan peranannya dalam menangani isu-isu kemasyarakatan semasa yang berkaitan.		
MPU 33042	Perbandingan Agama II	2
Kursus ini membincangkan pelbagai aspek agama yang terdapat dalam dunia seperti Yahudi, Kristian, Islam, Hindu, Buddha dan Confusius. Sejarah kemunculan agama, aspek-aspek ketuhanan dan kepercayaan, kitab-kitab yang berkaitan dengan agama-agama turut dibincangkan dalam pembelajaran. Kursus Perbandingan Agama ini bukan hanya membincangkan aspek-aspek penting dalam agama-agama dunia, tetapi juga membentuk nilai-nilai beragama dalam masyarakat majmuk di Malaysia.		
PBI 10102	English for Communication I	2
This subject is designed to enable students to integrate basic communicational skills; reading, writing and speaking in promoting critical thinking and expressing their thoughts and opinions. Through this subject, the students will also be more aware of the current issues and allowing them to respond professionally and wisely by immersing themselves in classroom discussion, group work and presentation.		
PBI 10202	English for Communication II	2
The subject is designed to introduce students to a variety of communicational skills in the workplace to meet basic professional needs. Students will work with a variety of the genres of professional communication, such as memos, meetings, etc. The assignments will require students to put into practice the various skills developed earlier such as integrating and presenting information, time management and group interaction. In order to accomplish these goals, class discussion, group work and in-class writing be used as tools for learning.		

PBI 10302	Pengantar Bahasa Arab Kebangsaan	2
This course aims to provide exposure to students in learning basic Arabic. Emphasis is given to four skills namely listening, speaking, reading and writing. In addition, focus is also given to the vocabulary, the way the construction of the verse is based on the basic method of Arabic grammar.		
PBI 10402	Pengantar Bahasa Arab Agama	2
This course aims to provide exposure to students in learning Arabic Language. Emphasis is given to four skills namely listening, speaking, reading and writing. In addition, focus is also given to the vocabulary, the way the construction of the verse is based on the basic method of Arabic grammar.		
PBI 10502	Bahasa Mandarin	2
This subject provides students with the basic Mandarin language skills and Chinese culture awareness. Students are trained with the communication skills in order to practicing Mandarin language at beginner's level. Moreover, cultural topics are introduced in the course in order to enhance students' understanding of the Chinese culture. Therefore, students will be more confident in communicating and performing tasks in multicultural environment.		
PBI 10602	Bahasa Jepun	2
This subject provides students with basic Japanese language and culture awareness. Students are trained with the communication skills in order to communicate the Japanese language at beginner level. Moreover, cultural topics will be introduced in the course in order to enhance students' understanding of the country's culture. Therefore, students will be more confident in communicating and performing tasks in the multi-cultural environment.		
PBI 10702	Bahasa Thai	2
This subject provides students with basic Thai language and its culture awareness. Students are trained with the communication skills in order to communicate at the primary level. Moreover, cultural topics will be inserted in the course in order to enhance students' understanding of the country's culture. Therefore, students will be more confident in communicating and performing tasks in the international environment.		
PBI 10802	Bahasa Vietnam	2
This subject provides students with basic Vietnamese language and its culture awareness. Students are trained with the communication skills in order to communicate at the primary level. Moreover, cultural topics will be inserted in the course in order to enhance students' understanding of the country's culture. Therefore, students will be more confident in communicating and performing tasks in the international environment.		

MPU 31052

Bahasa Melayu Asas II

2

Kursus ini merupakan lanjutan kepada kursus Bahasa Melayu Asas 1. Kursus ini bertujuan membantu pelajar berkomunikasi dengan lebih baik dalam bahasa Melayu. Penekanan diberikan pada kemahiran mendengar, bertutur, membaca dan menulis dalam bahasa Melayu. Pelajar didedahkan dengan latihan membina ayat dan membuat karangan yang mudah, latihan bertutur dan mendengar perbualan dalam pelbagai situasi, latihan membaca dan menulis melalui dialog dan petikan karangan mudah.

Co-Curriculum Courses Synopsis

Course Code	Course Name
KKD 11003	Alat Muzik Moden
	Kursus ini memberikan pendedahan asas kepada pelajar tentang konsep, teknik bermain alat muzik moden seperti alat muzik kugiran dan memerlukan kreativiti kumpulan semasa mengadakan persembahan.
KKD 11103	Koir
	Kursus ini akan memberikan pendedahan kepada pelajar asas menyanyi dengan cara mempelajari kaedah suara, teknik, penjiwaan dan persembahan yang betul serta membaca notasi lagu-lagu koir secara individu dan berkumpulan.
KKD 10903	Muzik Gamelan
	Kursus ini akan memberikan pendedahan kepada pelajar untuk mengenali, membaca nota dan memainkan alat-alat yang terkandung dalam muzik gamelan secara individu atau berkumpulan.
KKD 10303	Muzik Kompang
	Kursus ini memberikan pendedahan kepada pelajar tentang konsep dan permainan asas kompang, konsep bermain kompang dengan betul, mengenalpasti teknik permainan kompang dari segi rentak pukulan dan lagu, mengetahui cara memimpin kumpulan dan bekerjasama dan memahami proses kompang dihasilkan.
KKD 10403	Seni Tari
	Kursus ini akan memberikan pendedahan kepada pelajar-pelajar akan menghasilkan persembahan yang berdaya kreatif tarian tradisional dan moden secara perseorangan dan berkumpulan.

KKD 10203 Taranum

Kursus ini akan mendedahkan pelajar kaedah membaca al-Quran secara berlagu disamping memperkenalkan jenis-jenis lagu yang digunakan ketika membaca al-Quraan.

KKD 10503 Teater

Kursus ini akan mendedahkan pelajar kepada persediaan fizikal dan mental yang menjadi asas kepada lakonan. Persediaan fizikal termasuklah memahami latihan untuk olah tubuh dan vokal (pengucapan). Persediaan mental pula merujuk kepada proses memahami lakonan melalui latihan seperti improvisasi, bahasa badan (body language), pemerhatian dan penghayatan.

KKV 10103 Projek Khidmat Masyarakat

Kursus ini pelajar akan didedahkan dengan program kemasyarakatan, kebajikan dan kesedaran. Pelajar juga akan diajar mengenai ciri-ciri kepimpinan dalam menguruskan sesebuah program kemasyarakatan. Pelajar akan melakukan kerja-kerja amal pada masyarakat tanpa mengira kaum dan agama.

KKV 10203 Pemadam

Kursus ini menerangkan aspek-aspek pengetahuan dan pendidikan asas sejarah dadah, jenis-jenis dadah dan kesan/akibat kepada manusia, penguatkuasaan undang-undang, profil seorang penagih dan bekas penagih, proses pemulihan di pusat serenti, penjara dan pelajar juga dibawa melawat ke pusat serenti dan penjara di dalam negara. Selain dari itu, matapelajaran ini juga memberi peluang kepada pelajar untuk berinteraksi dengan pelatih melalui kaunseling berkelompok dan penganjuran kursus / bengkel dan seminar anti dadah.

KKN 10303 Asas Pengucapan Awam

Kursus ini menekankan konsep-konsep asas dalam pengucapan awam bagi membina kecekapan berpidato dan berucap di kalangan pelajar. Bakat dan pengetahuan dalam bidang komunikasi umum yang ada pada pelajar akan digilap melalui latihan-latihan amali pengucapan.

KKN 10603 Asas Kewartawanan

Kursus ini memberi pendedahan serta mengenalkan panduan-panduan dalam menghasilkan bahan berita di dalam akhbar menerusi pelbagai isu semasa dalam dan luar negara demi kepentingan umum melalui media cetak dan elektronik di negara ini.

KKN 10703 Fotografi

Kursus ini bertujuan memberi pendedahan dan kemahiran fotografi kepada pelajar-pelajar. Aspek-aspek teori dan pratikal serta teknik-teknik pengambilan foto yang menarik diberi penekanan. Pelajar berpeluang

menghayati seni foto dengan mempraktikkan kombinasi teknologi kamera fotografi digital dan analog (SLR kamera).

KKN 10203 Katering

Kursus ini dibentuk bertujuan untuk mendedahkan pelajar kepada kemahiran dalam bidang katering. Para pelajar akan diberi penerangan dan tunjuk ajar dalam pelbagai aspek penyediaan makanan, pengurusan dapur, prinsip makanan dan juga perkhidmatan katering.

KKY 10103 Pengakap Kelana Siswa I

Kursus ini memperkenalkan ilmu kepengakapan, sejarah, struktur organisasi, ilmu asas perkhemahan, kawad kaki, istiadat pengakap, kerja tali-menali, mengagak serta ilmu perkhemahan. Kursus ini menekankan kepimpinan Manikayu yang akan melayakkan mereka menjadi pemimpin.

KKN 10503 Rakan Kaunselor

Rakan Kaunselor merupakan subjek yang menekankan aspek-aspek kemahiran asas kaunseling yang dapat digunakan oleh pelajar mata pelajaran ini untuk membantu diri, rakan pelajar, keluarga dan masyarakat sekelilingnya menangani masalah. Selain dari itu mata pelajaran ini memberi peluang kepada pelajar untuk mempelajari kemahiran mengurus dan memimpin dalam sesebuah organisasi.

KKX 11203 Asas Pelayaran

Kursus ini memperkenalkan pelajar kepada pengetahuan-pengetahuan asas dan kemahiran-kemahiran asas pelayaran dan ia juga memperlihatkan pelajar kepada sejarah pelayaran, mengetahui jenis dan bahagian kapal layar. Pelajar juga harus melayarkan kapal layar.

KKX 11603 Bola Baling

Kursus ini akan memberikan pendedahan kepada pelajar-pelajar akan kemahiran membuat hantaran, rejaman dan tangkapan yang baik dalam bola baling, mengaplikasikan peraturan dalam permainan ini serta berkemahiran dalam penyediaan padang dan alatan permainan ini.

KKX 10803 Equestrian

Kursus ini memperkenalkan kepada pelajar sukan berkuda, sejarah serta perkembangannya. Pelajar juga akan dibawa menerokai alam kehidupan kuda dan bagaimana menjalin persahabatan dengan haiwan ini serta pelajar dapat mempelajari dan mengenal pasti peralatan-peralatan menunggang, ilmu mengenai kesihatan kuda dan teknik-teknik asas menunggang kuda.

KKX 10903 Golf

Kursus ini mendedahkan peraturan sukan golf, latihan kecergasan, asas pengadilan, teknik permainan dan penganjuran sukan golf.

KKX 12003	Hoki Kursus ini memberi pendedahan mengenai asas permainan Hoki, mendidik cara memimpin kumpulan dan kerjasama antara ahli pasukan serta menyihatkan tubuh badan.
KKX 12303	Karatedo Kursus ini akan memberikan pendedahan kepada pelajar-pelajar akan pengetahuan asas mengenai teknik, peraturan-peraturan permainan dan mengambil bahagian dalam pertandingan Karatedo.
KKX 11303	Kayak Kursus ini menawarkan pendedahan asas kepada kemahiran berkayak, teknik-teknik kayuhan yang betul, peraturan dan kod keselamatan semasa berkayak atau semasa menjalankan aktiviti di air.
KKX 10503	Memanah Kursus ini menekankan kepada pelajar tentang undang-undang dan peraturan permainan sukan memanah, pelajar juga diberikan tumpuan tentang kemahiran-kemahiran asas sukan memanah khususnya dari segi teknik yang betul serta pendedahan penganjuran kejohanan mini.
KKX 12203	Rowing Kursus ini akan memberikan pendedahan kepada pelajar-pelajar akan pengetahuan asas mengenai teknik , peraturan-peraturan permainan dan mengambil bahagian dalam pertandingan Rowing serta menyihatkan tubuh badan.
KKX 10203	Sepak Takraw Kursus ini memperkenalkan kepada pelajar-pelajar bagaimana bermain Sepak Takraw dengan betul, asas-asas kepada kemahiran bermain Sepak Takraw, undang-undang permainan Sepak Takraw, serta melibatkan pelajar dengan latihan bermain dan menganjur mengendalikn suatu pertandingan kecil dan juga menyertainya.
KKX 10603	Taekwando Kursus ini memberi pendedahan terhadap pengurusan fizikal secara saintifik dalam sukan taekwon-do. Pembentukan sahsiah dan jati diri yang seimbang serta memcetuskan semangat daya juang tinggi dalam menghadapi dan mengharungi cabaran kehidupan harian.
KKX 10403	Tenis Kursus ini memperkenalkan pelajar kepada pengetahuan-pengetahuan asas dan kemahiran-kemahiran asas permainan tenis dan ia juga memperlihatkan pelajar kepada seni pergerakan dan teknik sesuatu pergerakan atau kemahiran yang dilakukan serta teknik boleh menganjurkan pertandingan / kursus.

KKX 10703 Tenpin – Boling

Kursus ini akan memberikan pendedahan kepada pelajar-pelajar akan strategi permainan, pengetahuan dalam peralatan serta pengurusan, pemarkahan pertandingan tenpin boling.

KKY 10311 KOR SISPA I

Kursus ini akan memberi ruang kepada pelajar mempelajari ilmu kemahiran pertahanan awam dan melahirkan lebih ramai pegawai Pertahanan Awam yang berkaliber serta mampu menghadapi cabaran global. Pegawai Pertahanan awam akan diberi pengetahuan tentang pengetahuan asas pertahanan awam, asas pertolongan cemas, kemahiran asas melawan kebakaran, kemahiran asas menyelamatkan dan etika moral.

KKY10321 KOR SISPA II

Pelajar berpeluang menimba beberapa lagi pengetahuan asas pertahanan awam yang lain termasuklah kawad usungan, ikatan dan simpulan tali, manual keselamatan bagi operator gergaji berantai serta sains kebakaran dan alat pemadam ap, teknik pembacaan peta dan kompas mengurus pusat bantuan/makanan kecemasan serta pengetahuan tentang bencana alam.

KKY20331 KOR SISPA III

Kursus ini adalah lanjutan kepada Kor SISPA II. Ianya memberi penekanan kepada kegunaan power cutter dan alat hidraulik, penggunaan peralatan ambulan, tatacara keselamatan dan latihan *ascending & descending*, kaedah menyelamatkan diri dari tempat tinggi serta pengenalan kepada peralatan *Basic trauma & life Support*.

KKY20341 KOR SISPA IV

Kursus ini akan memberikan penekanan kepada khidmat kecemasan 999 termasuklah pengurusan bilik gerakan/MERS 999, pengendalian dan penyelenggaraan serta sistem komunikasi (radio dan prosedur am kemonukasi). Pelajar juga akan berpeluang belajar ilmu pengurusan bencana dan krisis, kaedah pengurusan latihan serta kaedah pengurusan pasukan.

KKY30351 KOR SISPA V

Dalam kursus ini pelajar akan diberikan ilmu berkenaan pengendalian mesyuarat, simulasi pengendalian mesyuarat serta komunikasi berkesan. Sahsia, etika pegawai dan kepimpinan juga akan ditekankan bagi melahirkan seorang pegawai SISPA yang berkaliber. Pelajar juga akan dilatih mengenai etiket dan protokol termasuklah pengurusan majlis rasmi, etiket dalam perbualan sosial, etiket ketika makan beradat serta kursus kejurulatihan kemahiran kepada bakal pegawai yang akan dijalankan di Pusat Latihan.

KKW 10311 KOR PALAPES UDARA I

Kursus ini mendedahkan kepada para pelajar mengenai asas ketenteraan, etika tentera dan mengamalkan sifat setia kawan serta memupuk seorang pelajar itu menjadi seorang pemimpin yang berkualiti.

KKW 10321 KOR PALAPES UDARA II

Kursus ini mendedahkan kepada para pelajar berkenaan dengan etika kerja dan ianya dapat menguruskan segala maklumat serta idea baru melalui asas ketenteraan yang merangkumi latihan-latihan ilmu medan perang (IMP).

KKW 20331 KOR PALAPES UDARA III

Kursus ini mendedahkan kepada para pelajar berkenaan dengan etika kerja dan ianya dapat menguruskan segala maklumat serta idea baru melalui asas ketenteraan yang merangkumi latihan-latihan ilmu medan perang (IMP).

KKW 20341 KOR PALAPES UDARA IV

Kursus ini dapat mendedahkan etika tentera kepada para pelajar bagaimana untuk berkongsi pandangan setiap aktiviti ketenteraan dan memupuk kerjasama dalam satu kumpulan serta berkemahiran untuk mengkoordinasikan latihan Ilmu Medan Perang (IMP).

KKW 30351 KOR PALAPES UDARA V

Kursus ini mendedahkan kepada para pelajar Asas Latihan Ketenteraan melalui latihan-latihan yang dijalankan pada tahap tinggi.

KKW 30361 KOR PALAPES UDARA VI

Kursus ini mendedahkan kepada para pelajar Asas Latihan Ketenteraan melalui latihan-latihan yang dijalankan pada tahap tinggi.

KKW 10211 KOR-SUKSIS I

Kursus ini adalah untuk melahirkan seorang Pegawai Sukarelawan Polis Siswa/i (Kor - SUKSIS) yang berpengetahuan tentang undang-undang berkaitan, latihan mingguan, urusan latihan, pentadbiran, daya kepimpinan, disiplin serta ketahanan fizikal/metal yang sesuai di antara pasukan polis dan Universiti.

KKW 10221 KOR-SUKSIS II

Kursus ini adalah untuk melahirkan seorang Pegawai Sukarelawan Polis Siswa/i (Kor - SUKSIS) yang berpengetahuan tentang undang-undang berkaitan, latihan mingguan, urusan latihan, pentadbiran, daya kepimpinan, disiplin serta ketahanan fizikal/metal yang sesuai di antara pasukan polis dan Universiti.

KKW 20231 KOR-SUKSIS III

Kursus ini adalah untuk melahirkan seorang Pegawai Sukarelawan Polis Siswa/i (Kor SUKSIS) yang berpengetahuan tentang undang-undang berkaitan, latihan mingguan, urusan latihan, pentadbiran, daya kepimpinan, disiplin serta ketahanan fizikal/metal yang sesuai di antara pasukan polis dan Universiti.

KKW 20241 KOR-SUKSIS IV

Kursus ini adalah untuk melahirkan seorang Pegawai Sukarelawan Polis Siswa/i (Kor SUKSIS) yang berpengetahuan tentang undang-undang berkaitan, latihan mingguan, urusan latihan, pentadbiran, daya kepimpinan, disiplin serta ketahanan fizikal/metal yang sesuai diantara pasukan polis dan Universiti.

KKW 30251 KOR-SUKSIS V

Kursus ini adalah untuk melahirkan seorang Pegawai Sukarelawan Polis Siswa/i (Kor SUKSIS) yang berpengetahuan tentang undang-undang berkaitan, latihan mingguan, urusan latihan, pentadbiran, daya kepimpinan, disiplin serta ketahanan fizikal/metal yang sesuai di antara pasukan polis dan Universiti.

KKW 30261 KOR-SUKSIS VI

Kursus ini adalah untuk melahirkan seorang Pegawai Sukarelawan Polis Siswa/i (Kor SUKSIS) yang berpengetahuan tentang undang-undang berkaitan, latihan mingguan, urusan latihan, pentadbiran, daya kepimpinan, disiplin serta ketahanan fizikal/metal yang sesuai di antara pasukan polis dan Universiti.

KKW 10411 KOR SISKOR I

Kursus ini akan memberi ruang kepada pelajar mengetahui dengan lebih terperinci mengenai Jabatan Penjara Malaysia termasuklah objektif, fungsi, misi, visi, motto dan Lagu Jabatan. Pelajar juga akan diperkenalkan dengan Akta Penjara dan Peraturan Penjara, Asas Kesukarelawanan termasuk peranan dan tugas sukarelawan, Kepimpinan Sukarelawan, Kod Etika SISKOR dan latihan fizikal (Kawad Kaki) / SENTAP.

KKW 10421 KOR SISKOR II

Kursus ini akan memberi menekankan kepada dasar kerajaan mengenai sukarelawan termasuklah mentor dan coaching serta kerja berpasukan dalam sukarelawan. Pelajar juga akan diperkenalkan kepada Dasar kepenjaraan termasuklah halatuju dan kerjaya di Jabatan Penjara Malaysia. Pengenalan kepada pemulihan, Parol dan Khidmat komuniti selain dari latihan fizikal (kawad kaki setiap minggu).

KKW 20431 KOR SISKOR III

Kursus ini akan memberi menekankan kepada etiket sosial dan protokol, keselamatan fizikal penjara, strategik keselamatan, Rumah Pengantaraan, pengoperasian Rumah Perantaraan di samping latihan fizikal kawad senjata pada setiap minggu. Pelajar juga akan dibawa melawat Rumah Perantaraan bagi melihat pengoperasian rumah tersebut.

KKW 20441 KOR SISKOR IV

Pada tahap ini pelajar-pelajar akan diberi maklumat mengenai tatacara pemakaian seragam JPM, risikan dan siasatan, aspek-aspek pemulihan termasuklah vokasional dan industri di samping asas kemahiran penguni. Program Pemulihan Pemasarakatan (PPP) juga akan diperkenalkan. Antara yang akan disentuh termasuklah kepentingan dan keperluan PPP, peruntukan undang-undang, usahasama dengan agensi luar serta lawatan ke Pusat Pemulihan Pemasarakatan. Latihan fizikal di peringkat ini akan lebih menekankan kepada Formasi Tamat Latihan.

KKW 10611	WATANIAH NEGARA I
KKW 10621	WATANIAH NEGARA II
KKW 20631	WATANIAH NEGARA III
KKW 20641	WATANIAH NEGARA IV
KKW 30651	WATANIAH NEGARA V
KKW 30661	WATANIAH NEGARA VI

Grading System

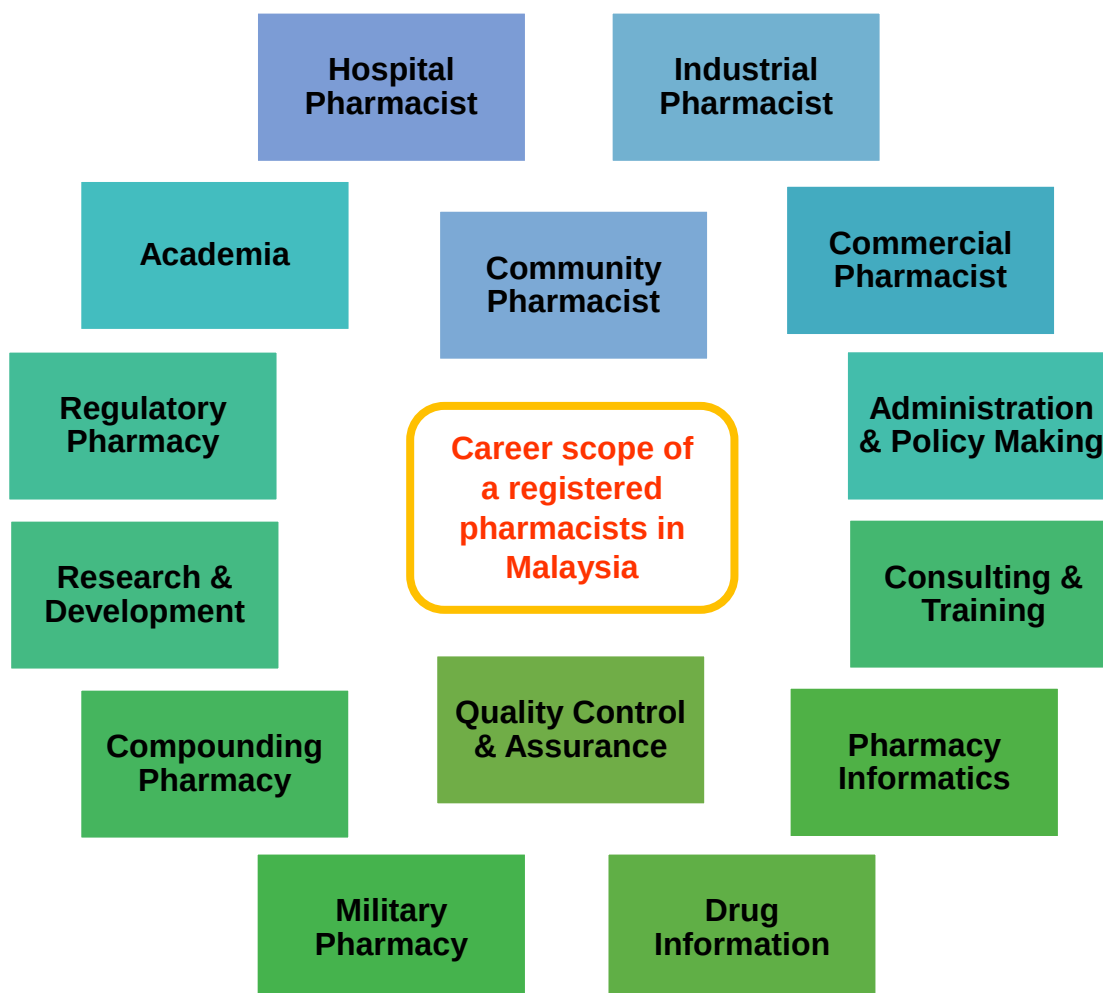
A student **must pass with at least Grade C** for all registered courses offered by the faculty. The students will be assessed by continuous assessment and end-of-semester examination. The academic achievement of students will be graded as follows:

Marks (%)	Grade	Grade Points	Performance
80-100	A	4.00	Distinction
75-79	A-	3.67	
70-74	B+	3.33	Honours/Good
65-69	B	3.00	
60-64	B-	2.67	Average
55-59	C+	2.33	
50-54	C	2.00	
47-49	C-	1.67	Fail
44-46	D+	1.33	
40-43	D	1.00	
0-39	F	0.00	

The overall academic achievement is based on Grade Point Average (GPA) from all the registered courses in a particular semester. Cumulative Grade Point Average (CGPA) is the GPA accumulated by a student from one semester to another throughout the years of study.

Please refer to *Buku Peraturan Akademik Pra-Siswazah UniSZA* for the details on student's academic information.

Career Prospect





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