

BACHELOR OF SCIENCE AGRIBUSINESS MANAGEMENT WITH HONOURS [BSc. Agribus. Mgmt. (hons)]

INTRODUCTION

This programme is multi-disciplined, combining business management science and agricultural science. The purpose of the programme is to produce graduates who are efficient managers of firms based on agriculture and natural resource.

PROGRAMME LEARNING OUTCOMES

The goal of the programme is to produce graduates with breadth and depth in knowledge, as well as positive personalities. Specifically, the learning outcomes of the program are as follow:

1. To enhance knowledge and understanding of concepts, theories and practices in the field of agribusiness.
2. To plan, analyse and identify solutions to the agribusiness-related problems.
3. To upgrade the interaction skills with society and stakeholders aside from emphasizing social responsibility towards society and nation the related fields.
4. To become efficient, effective, and ethical businessman and managers.
5. To communicate effectively in oral and writing, possess leadership skills and be able to work in groups at any levels.
6. To integrate and synthesize agribusiness issues in organization, as well as able to assess planning, execution and solution options within the organization and the community.
7. To improve skills in gathering and utilising information using ICT and to enhance knowledge through life-long learning.
8. To manage limited agriculture resources to achieve optimum efficiency and identify business opportunities through entrepreneurial skills learned

In addition, each student will also be required to undergo a four-month practical training. This exposure will give the opportunity for the students and industry/institution to acquire the intended objectives.

CAREER PROSPECTS

Career prospects for graduates in this field are bright. Due to the flexibility of the programme structure, its graduates can work in a wide range of sectors. The programme has also prepared the graduates to not only be efficient employees, but also to be capable managers, especially in agri-related sectors. Variety of career opportunities including business ownership (entrepreneurship), farm manager, and business administration.

DEAN - SCHOOL OF ECONOMICS, FINANCE AND BANKING

Prof. Dr. Russayani Ismail
BEc (Hons) (UIA), MSc, PhD (Exeter)
E-mail: rus1140@uum.edu.my

DEPUTY DEAN - SCHOOL OF ECONOMICS, FINANCE AND BANKING

Dr. Azira Abdul Adzis
BBA (Fin)(UUM), MSc. (Banking) (UUM), PhD (Massey Univ, NZ)
E-mail: azira@uum.edu.my

HEAD OF DEPARTMENT – ECONOMICS AND AGRIBUSINESS MANAGEMENT

Assoc. Prof. Dr. Bakti Hasan Basri
BEc (Hons) (UUM), MEc (Malaya), PhD (Newcastle)
e-mail : bakti@uum.edu.my

PROGRAMME COORDINATOR – ECONOMICS

Dr. Wan Roshidah Fadzim
BEc (Hons) (UUM), MEc (UPM), PhD (UUM)
e-mail : wanroshidah@uum.edu.my

PROGRAMME COORDINATOR – AGRIBUSINESS MANAGEMENT

Dr. Rozana Samah
B.Sc. Agribusiness Management (UUM), M.Sc. Aquaculture (UMT), PhD (UUM)
e-mail : rozana.samah@uum.edu.my

PROFESSOR

Prof. Dr. Abdul Razak Chik, AMK., BCN.
BEc (Hons) (UKM), MA (Kent), PhD (Birmingham)
e-mail : arc@uum.edu.my

Prof. Dr. Jamal Ali
BSc (UPM), MSoc. (USM), PhD (UUM)
e-mail : jamalali@uum.edu.my

ASSOCIATE PROFESSOR

Assoc. Prof. Dr. Bakti Hasan Basri
BEc (Hons) (UUM), MEc (Malaya), PhD (Newcastle)
e-mail : bakti@uum.edu.my

Assoc. Prof. Dr. Hussin Abdullah
Dip. Educ (MPT), BEc, MBA (UKM), PhD (UPM)
e-mail : ahussin@uum.edu.my

Assoc. Prof. Dr. Irwan Shah Zainal Abidin
BEc, MEc (Malaya), PhD (UUM)
e-mail : irwanshah@uum.edu.my

Assoc. Prof. Dr. Lim Hock Eam
BEd (Hons) (UUM), MSc (Univ. College, London), PhD (Monash)
e-mail : lheam@uum.edu.my

Assoc. Prof. Dr. Mukaramah Harun
BEd (Hons) (Malaya), MSc (Portsmouth), PhD (UPM)
e-mail : mukaramah@uum.edu.my

Assoc. Prof. Dr. Mukhriz Izraf Azman Aziz
BEd (Hons) (UUM), MSc (Lancaster), PhD (UK)
e-mail : mukhriz@uum.edu.my

Assoc. Prof. Dr. Nor Azam Abdul Razak
BSc (Mgmt) (Indiana), MEd (Tsukuba), PhD (Louisiana State)
e-mail : azam@uum.edu.my

Assoc. Prof. Dr. Nor' Aznin Abu Bakar
BA, MSc (Portland), PhD (Surrey)
e-mail : noraznin@uum.edu.my

Assoc. Prof. Dr. Norehan Abdullah
BA (Maryville Col., Tennessee), MA (Western Illinois), PhD (UKM)
e-mail : norehan@uum.edu.my

Assoc. Prof. Dr. Russayani Ismail
BEd (Hons) (UIA), MSc, PhD (Exeter)
e-mail : rus1140@uum.edu.my

Assoc. Prof. Dr. Sallahuddin Hassan
Dip. Agric, BSc (Hons) (UPM), MPA (USC), MA (Tennessee), PhD (Malaya), Dip. Econ (Econ.
Inst. Colorado), Dip. Penulisan (DBP-PLM)
e-mail : din636@uum.edu.my

Assoc. Prof. Dr. Shamzaeffa Samsudin
BEd (Hons) (UUM), MSc (York), PhD (East Anglia)
e-mail : shamzaeffa@uum.edu.my

Assoc. Prof. Dr. Shri Dewi a/p Applanaidu
BEd (Hons) (UUM), MEd (UKM), PhD (UPM)
e-mail : dewi@uum.edu.my

Assoc. Prof. Dr. Siti Aznor Hj. Ahmad
BEd (Hons) (UUM), MA (Leeds), Dip.Econ (Econ.Inst. Colorado), PhD (Glasgow)
e-mail : siti736@uum.edu.my

Assoc. Prof. Dr. Siti Hadijah Che Mat
BEd (Hons) (UUM), MEd (UPM), PhD (UUM)
e-mail : hadijah@uum.edu.my

Assoc. Prof. Dr. Soon Jan Jan
BEd (Hons) (UUM), MEd (UPM), MSc (Dec.Sc) (UUM), PhD (Otago)
e-mail : soon@uum.edu.my

SENIOR LECTURERS

Dr. Abu Sufian Abu Bakar
BEc (Hons), MEc (Malaya), PhD (UKM)
e-mail : sufian@uum.edu.my

Dr. Anizah Md. Ali
BEc (Hons) (UUM), MEc, PhD (UKM)
e-mail : anizah@uum.edu.my

Dr. Azizah Md. Yusof
BEc (Hons) (UUM), MEc(UKM), PhD (UUM)
e-mail : azizah@uum.edu.my

Dr. Cheah Yong Kang
B.Soc.Sc., M.Ec.Mgmt. (USM), PhD (Malaya)
e-mail : yong@uum.edu.my

Che Engku Mansoor Che Engku Ismail
BEc (Hons) (UUM), MA (Manchester)
e-mail : mansoor@uum.edu.my

Dr. Mohamad Helmi Hidthiir
BEc (Hons) (UUM), MEc (UPM), PhD (USM)
e-mail : helmi@uum.edu.my

Lai Tian So
BEc (Hons) (UUM), M.Sc (Iowa State)
e-mail : tslai@uum.edu.my

Dr. Lee Wen Chiat
BEc (UNIMAS), CMBA (UNIMAS), PhD (UUM)
e-mail : lwchiat@uum.edu.my

Dr Nur Marina binti Abd Manap
BEc (UUM), MEc (UKM), PhD (UPM)
e-mail: nurmarina@uum.edu.my

Dr. Mohd. Razani Mohd. Jali
BSc (Wisconsin-Green Bay), M.U.R.P. (Virginia Tech), PhD (Leeds)
e-mail : razani@uum.edu.my

Dr. Mohd. Saifoul Zamzuri Noor
BEc (Hons), MBA (UKM), PhD (UUM)
e-mail : saifoul@uum.edu.my

Muhammad Ridhuan Bos Abdullah
BEc (Hons) (UKM), MEc (UPM)
e-mail : ridhuan@uum.edu.my

Munzarina Ahmad Samidi
BEc (Hons) (UIA), MSocSc (Birmingham)
e-mail : mun761@uum.edu.my

Dr. Nariman Mohd. Saad
BEc (Hons) (Malaya), MA (East Anglia), PhD (UUM)
e-mail : nariman@uum.edu.my

Dr. Normizan Bakar
BEc (Hons), MEc (Kagoshima), PhD (Waseda)
e-mail : normizan@uum.edu.my

Rizaudin Sahlan
BEc (Hons), MEc (UKM)
e-mail : rizaudin@uum.edu.my

Dr. Roslina Kamaruddin
BSocSc (USM), MEcon. Mgmt (USM), PhD (UKM)
e-mail : roslina_k@uum.edu.my

Dr. Shamsul Bahrain Rawi
BSc (San Jose State, California), MSc (York), PhD (Newcastle)
e-mail : shamsul@uum.edu.my

Dr. Shazida Jan Mohd Khan
BEc (Hons) (UUM), MA (Essex), PhD (Wales)
e-mail : sjmohd@uum.edu.my

Dr. Wan Roshidah Fadzim
BEc (Hons) (UUM), MEc (UPM), PhD (UUM)
e-mail : wanroshidah@uum.edu.my

Dr. Rozana Samah
BSc Agribus. Mgmt (UUM), MSc Aqua (UMT), PhD (UUM)
e-mail : rozana.samah@uum.edu.my

Dr. Ruhaida Saidon
BEc (Hons) (UUM), MEc (UUM), PhD (UPM)
email : ruhaida@uum.edu.my

Dr. Zalina Zainal
BEc (Hons) (UUM), MEc, PhD (UKM)
e-mail : z.zainal@uum.edu.my

LECTURERS

Amizam Arzemi
BEc (Hons) (UUM), MA (Manchester)
e-mail : amiz1112@uum.edu.my

Asnida Shahidan
BEc (Hons) (UUM), MEc (Malaya)
e-mail : asnida@uum.edu.my

Aznita Samsi
BEc (Hons) (UUM), MEc (UPM)
e-mail : aznita@uum.edu.my

Fikriyah Abdullah
DBS, BBA (Finance)(UiTM), MSc (Finance)(UPM)
e-mel : fikriyah@uum.edu.my

Fuad Mohamed Berawi
BEc (Hons), MEc (UKM)
e-mail : fuad@uum.edu.my

Khairul Anuar Adnan
DBS (UiTM), BBA (Banking)(Hons), MBA (UUM)
E-mail: khairul71@uum.edu.my

Mahadi Naina Mohamed, P.K.T.
BEc (Hons) (UUM), MA (East Anglia)
e-mail : mahadi@uum.edu.my

Maswati @ Mahfuzah Salim
DIB, ADBS (Finance) (UiTM), MBA (UUM)
e-mel : mahfuzah@uum.edu.my

Mohd. Fahmi Mohd Yusof
BSc (Warwick), MBA (UiTM)
e-mail : fahmi@uum.edu.my

Mohd. Faisal Md. Salleh
BA (Hons), MA (Concordia)
e-mail : fais908@uum.edu.my

Noor Sa'adah Sabudin
B.Syariah (Malaya), MSc (UiTM)
e-mail : saadah@uum.edu.my

Nor Fadzlin Mohammad Bahar
BEc (Hons), MEc (UKM)
e-mail : norfadzlin@uum.edu.my

Norzilah Hj. Aziz
BEc (Hons) (UKM), MSc (Central Michigan)
e-mail : zilah834@uum.edu.my

Norzita Jamil
BEc (Hons) (UUM), MEc (UPM)
e-mail : norzita@uum.edu.my

Rusmani Musa
BEc (Hons), MEc (UKM)
e-mail : rusmani@uum.edu.my

Siti Norliza Jumali
BEc (Hons) (UUM), MEc (UPM)
e-mail : jsliza@uum.edu.my

Wan Zahrah Wan Din
BA (Hons) (Laurentian), MA (Concordia)
e-mail : zahrah@uum.edu.my

Zalila Othman
BA (Michigan), MA (Essex)
e-mail : zalila@uum.edu.my

Zalina Mohd. Mohaideen
Dip.Ed (Malaya), BEc(Hons) (Malaya), MEc (UKM)
e-mail : zalina@uum.edu.my

BACHELOR OF SCIENCE AGRIBUSINESS MANAGEMENT WITH HONOURS [BSc. Agribus. Mgmt (Hons)]

The programme consists of the following components:

COMPONENT		CREDIT HOURS
A.	UNIVERSITY CORE	25
B.	PROGRAMME CORE	95
C.	LANGUAGE COMPONENT	9
D.	FREE ELECTIVE	3
TOTAL CREDIT HOURS		132 HOURS

To be awarded a Bachelor of Science Agribusiness Management with Honours, a student is required **to take and pass a minimum of 132 credit hours** which include courses in the programme structure as shown below:

A. UNIVERSITY CORE (25 CREDIT HOURS)

Course code	Course name	Credit Hours	Pre- requisite
MPU3123	Islamic and Asian Civilization	3	NONE
MPU3113	Ethnic Relations	3	NONE
SADN1033	Malaysian Nationhood Studies	3	NONE
SBLE1063	English Proficiency I	3	NONE
SBLE2113	English Proficiency II	3	English Proficiency I
SBLE3123	English Proficiency III	3	English Proficiency II
SADE1013	Introduction to Entrepreneurship	3	NONE
VXXX4	Co-Curriculum	4	NONE
Total		25	

1. International Student **MUST REPLACE** subject MPU3123 **AND** MPU3113 with:
 - i. SBLF1093 Malay as Foreign Language I **AND**
 - ii. SBLF2093 Malay as Foreign Language II
2. Choose **ONE (1)** co-curriculum course of interest and students are subjected to the conditions specified under the related field.

B. PROGRAMME CORE (95 CREDIT HOURS)

Code	Course	Credit Hours	Pre- requisite
BECA1013	Biology	3	NONE
BECA1023	Chemistry	3	NONE
BECA2013	Animal Husbandry	3	BECA1013 Biology AND BECA1023 Chemistry
BECA2023	Food Science	3	BECA1013 Biology AND BECA1023 Chemistry
BECA2033	Soil Science	3	BECA1013 Biology AND BECA1023 Chemistry
BECA2043	Agronomy	3	BECA1013 Biology AND BECA1023 Chemistry
BECA2053	Aquaculture Management	3	BECA1013 Biology AND BECA1023 Chemistry
BKAL1013	Business Accounting	3	NONE
BWFF1013	Basic Finance	3	NONE
BPMN3023	Strategic Management	3	Have taken and passed 100 credit hours
BJMP2033	Operation and Production Management	3	SQQS1013 Elementary Statistics
BJMP3073	Purchasing and Supply Chain Management	3	BJMP2033 Operation and Production Management
BEEB1013	Principles of Economics	3	NONE
BEEB2013	Microeconomics	3	BEEB1013 Principles of Economics
BEEB2023	Macroeconomics	3	BEEB1013 Principles of Economics
GLUL3223	Agribusiness Law	3	NONE
BEEA3113	Agricultural Production Economics	3	BEEB2013 Microeconomics AND BEEB2023 Macroeconomics
BEEA3033	Agribusiness Finance	3	BEEB2013 Microeconomics AND BEEB2023 Macroeconomics
BEEA3123	Agribusiness Management	3	BEEB2013 Microeconomics AND BEEB2023 Macroeconomics
BEEA3133	Agricultural Development Economics	3	BEEB2013 Microeconomics AND BEEB2023 Macroeconomics
BEEA3153	Agricultural Marketing	3	BEEB2013 Microeconomics AND BEEB2023 Macroeconomics

BEEA3163	International Agricultural Trade and Business	3	BEEB2013 Microeconomics AND BEEB2023 Macroeconomics
BPMN1013	Principles of Management	3	NONE
BPMN3123	Management Ethics	3	Have Taken and Passed 70 Credit Hours
SQQM1023	Managerial Mathematics	3	NONE
SQQS1013	Elementary Statistics	3	NONE
BEER3043	Research Methods	3	BEEB2013 Microeconomics AND BEEB2023 Macroeconomics
SBLE3143	Report Writing	3	SBLE3123 English Proficiency III
SBLE3173	English for Professional Communication	3	SBLE3123 English Proficiency III
BEEEX4908	Practicum	8	Have taken and passed all courses under the programme core

C. LANGUAGE COMPONENT (9 CREDIT HOURS)

Student must complete the first until the third stage of any language course taken.

Code	Course	Credit Hours	Pre- requisite
SBLF1053	Mandarin Language I / Foreign Language	3	NONE
SBLF2053	Mandarin Language II / Foreign Language	3	SBLF1053 Mandarin Language I / Foreign Language
SBLF3053	Mandarin Language III / Foreign Language	3	SBLF2053 Mandarin Language II / Foreign Language

*Chinese students can choose any foreign language course EXCEPT Mandarin.

Any students from Chinese medium school can choose any of the foreign language courses EXCEPT Mandarin.

Students from Religious school are not allowed to take Arabic.

Students from Malaysia, Indonesia, Brunei, Singapore and southern Thailand are not allowed to take Bahasa Melayu.

International students are allowed to choose any foreign language course EXCEPT their Native Language.

Students need to complete the first stage to the third stage of any language course chosen.

D. FREE ELECTIVE (3 CREDIT HOURS)

Students can choose **ONE (1)** course offered by another programme at the same School or courses offered by other Schools taking into account the following:

- i. Must meet the prerequisite of the courses if such courses require prerequisites.
- iii. Equivalent courses cannot be considered as free elective courses.

**PROGRAMME SUGGESTED COURSES BY SEMESTER FOR BACHELOR OF SCIENCE AGRIBUSINESS
MANAGEMENT WITH HONOURS [BSc. Agribus. Mgmt. (Hons)]**

Code	1st Semester	Credit Hours	Code	2nd Semester	Credit Hours
MPU3123	Islamic and Asian Civilization	3	MPU3113	Ethnic Relations	3
SBLE1063	English Proficiency I	3	SBLE2113	English Proficiency II	3
SADN1033	Malaysian Nationhood Studies	3	SQQM1023	Managerial Mathematics	3
BEEB1013	Principles of Economics	3	BEEB2013	Microeconomics	3
BECA1013	Biology	3	BECA1023	Chemistry	3
SQQS1013	Elementary Statistics	3	SBLF1053	Mandarin Language I	3
Vxxxx1	Co-Curriculum	1	Vxxxx1	Co-Curriculum	1
Total		19	Total		19
Code	3rd Semester	Credit Hours	Code	4th Semester	Credit Hours
SBLE3123	English proficiency III	3	BWFF1013	Basic Finance	3
BEEB2023	Macroeconomics	3	SBLF3053	Mandarin language III	3
SBLF2053	Mandarin Language II	3	BECA2013	Animal Husbandary	3
BECA2023	Food Science	3	BECA2033	Soil Science	3
BECA2053	Aquaculture Management	3	BEEA3153	Agricultural Marketing	3
BPMN1013	Principles of Management	3	BEEA3133	Agricultural Development	3
Vxxxx1	Co-Curriculum	1	Vxxxx1	Economics Co-Curriculum	1
Total		19	Total		19
Code	5th Semester	Credit Hours	Code	6th Semester	Credit Hours
BKAL1013	Business Accounting	3	SBLE3173	English for Professional Communication	3
SBLE3143	Report Writing	3	GLUL3223	Agribusiness Law	3
BJMP2033	Operation and Production Management	3	BEEA3033	Agribusiness Finance	3
BEEA3123	Agribusiness Management	3	BECA2043	Agronomy	3
BEEA3113	Agricultural Production Economics	3	BJMP3073	Purchasing and Supply Chain Management	3
BPMN3123	Management Ethics	3			
Total		18	Total		15

Code	7th Semester	Credit Hours	Code	8th Semester	Credit Hours
SADE1013	Introduction to Entrepreneurship	3	BEE4908	Practicum	8
BEER3043	Research Methods	3			
BEEA3163	International Agricultural Trade and Business	3			
BPMN3023	Strategic Management	3			
Xxxx3	Free Elective	3			
	Total	15		Total	8

Total Credits: 132 credit

COURSES OFFERED BY SEMESTER

CODE	COURSES	SEM I	SEM II
BECA1013	Biology	X	X
BECA1023	Chemistry	X	X
BECA2013	Animal Husbandry		X
BECA2023	Food Science	X	
BECA2033	Soil Science	X	X
BECA2043	Agronomy	X	X
BECA2053	Aquaculture Management	X	X
BEEA3033	Agribusiness Finance	X	X
BEEA3113	Agricultural Production Economics	X	X
BEEA3123	Agribusiness Management	X	X
BEEA3133	Agricultural Development Economics		X
BEEA3153	Agricultural Marketing	X	X
BEEA3163	International Agricultural Trade	X	X
BEEB1013	Principles of Economics	X	X
BEEB2013	Microeconomics	X	X
BEEB2023	Macroeconomics	X	X
BEER3043	Research Methods	X	X
BPMN1013	Principles of Management	X	X
BKAL1013	Business Accounting	X	X
BWFF1013	Basic Finance	X	X
BPMN3023	Strategic Management	X	X
BJMP2033	Operation and Production Management	X	
BJMP3073	Purchasing and Supply Chain Management		X
GLUL3223	Agribusiness Law		X
BEE4908	Practicum	X	X

COURSE SYNOPSIS

BECA1013 BIOLOGY

PRE-REQUISITE NONE

This course covers the introduction to genetics, principles of segregation and independent organization, genetics population, the concept of genetic evolution and the process of species classification. The course also covers aspects of animal physiology and ecology. Principles of conservation and renewable natural resources, the role of parks, pollution, eutrophication and erosion are also discussed.

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BECA1023 CHEMISTRY

PRE-REQUISITE NONE

This course covers the introduction of measurement, stoichiometry, reactions, theory of kinetic gases, thermochemical, atomic structure, electronic structure and the periodic table, chemical bonding, redox reaction, electrochemistry, acids and bases, chemical nuclear, organic chemicals, chemicals, inorganic, and biochemical.

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BECA2013 ANIMAL HUSBANDRY

PRE-REQUISITE BECA1013 BIOLOGY, BECA1023 CHEMISTRY

This course provides an introduction to livestock production and management aspects, and its role in the agricultural sector. This course will also include an introduction to livestock species, diseases and advantages of the livestock. Management of livestock (cattle, sheep, buffalo, and deer) and non-ruminants (poultry, pigs) will be covered in general.

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BECA2023 FOOD SCIENCE

PRE-REQUISITE BECA1013 BIOLOGY, BECA1023 CHEMISTRY

This course discusses the fundamentals of food science. It covers the basics according functions in some selected commodities. This course will also discuss the methods of food processing, food operations, the effects of food processing, food safety, food storage, food product wrapping, food laws and rules, and food labels.

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BECA2033 SOIL SCIENCE

PRE-REQUISITE BECA1013 BIOLOGY, BECA1023 CHEMISTRY

This course discusses the biological, physical and chemical aspects of soil such as access to land, resources and land development, soil fertility, fertilizers, soil organisms, soil sampling techniques and related tests.

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BECA2043 AGRONOMY

PRE-REQUISITE BECA1013 BIOLOGY, BECA1023 CHEMISTRY

Agronomy is the science and technology of using plants for food, fuel, feed, and fiber. Agronomy encompasses work in the areas of plant genetics, plant physiology, meteorology, and soil science. Agronomy is the application of a combination of sciences like biology, chemistry, ecology, earth science, and genetics. Agronomists today are involved with many issues including producing food, creating healthier food, managing environmental impact of agriculture, and creating energy from plants. Agronomists often specialize in areas such as crop rotation, irrigation and drainage, plant breeding, soil and plant classification, soil fertility, weed control and pest control.

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BECA2053 AQUACULTURE MANAGEMENT

PRE-REQUISITE BECA1013 BIOLOGY, BECA1023 CHEMISTRY

This course introduces the history and development of aquaculture sector nationally and globally. It consists of the economics and management of aquaculture production. The aquaculture management include seed management, feed management, water management, health management, postharvest management and more. This course also covers the environmental and social issue in aquaculture production.

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BEEA3033 AGRIBUSINESS FINANCE

PRE-REQUISITE BEEB2013 MICROECONOMICS, BEEB2023 MACROECONOMICS

This course discusses about financial issues such as how to get capital to run agribusiness activity, policies related agribusiness credit, evaluation of the lending criterias by financial institutions, credit analysis and preparation of paperwork for loan applications.

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BEEA3113 AGRICULTURAL PRODUCTION ECONOMICS

PRE-REQUISITE BEEB2013 MICROECONOMICS, BEEB2023 MACROECONOMICS

This course provides an introduction to the economic aspects of agricultural production. The focus will be given on the relationship between inputs and outputs for the use of various variable inputs. This course also discusses important methods in selecting agricultural investment that are useful for a manager in making farm decisions. Empirical examples are used to combine theories with practices.

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BEEA3123 AGRIBUSINESS MANAGEMENT

PRE-REQUISITE BEEB2013 MICROECONOMICS, BEEB2023 MACROECONOMICS

This course covers the overall basic aspects of the management of agribusiness. It provides an exposure to the core and applications of agribusiness activities, beginning from the level of understanding farm management to produce agricultural output to the marketing aspects and agricultural economics in order to ensure students gain sufficient knowledge and basic expertise to be efficient and effective future agribusiness managers.

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BEEA3153 AGRICULTURAL MARKETING

PRE-REQUISITE BEEB2013 MICROECONOMICS, BEEB2023 MACROECONOMICS

This course discusses the marketing institutions and international trade as well as their roles in distributing the agricultural output to ultimate consumers. This course also discusses economic and non-economic factors that influence the market and agricultural trade.

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BEEA3163 INTERNATIONAL AGRICULTURAL TRADE AND BUSINESS

PRE-REQUISITE BEEB2013 MICROECONOMICS, BEEB2023 MACROECONOMICS

This course discusses the basic concepts of international trade and its application in food and other agricultural products. The course begins with a discussion of the concept of international trade, the impact of government intervention in the international market of agricultural products, and current issues related to agricultural goods trading.

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BEEB1013 PRINCIPLES OF ECONOMICS

PRE-REQUISITE NONE

This course offers introductory understanding to the basic concepts in economics. It is divided into two parts of Microeconomics and Macroeconomics. Topics that will be covered includes demand and supply, price and market equilibrium, consumer choice, production and costs, national income accounting, aggregate demand and aggregate supply, money, and money market.

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BEEB2013 MICROECONOMICS

PRE-REQUISITE BEEB1013 PRINCIPLES OF ECONOMICS

This course will provide students with basic economic theories that are essential in microeconomics. Among them are Demand & Supply theories, Consumer Behavior Theory, Production & Cost Theories, and Theory of the Firm. Methods used in discussing these theories include tables, graphs, and simple mathematics. Lectures given will also touch on the applicability of the theories in real life.

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BEEB2023 MACROECONOMICS

PRE-REQUISITE BEEB1013 PRINCIPLES OF ECONOMICS

The analysis is based on the Keynesian economics and experience of Malaysian macroeconomics situation. Thus, the theoretical and practical aspect of the economy is combined. The course is divided into 3 main sections. Section 1 focuses on the measurement of macroeconomic variables, in particular national income accounting and national income determination. Section 2 discusses the demand side of macroeconomics models from a simple economy to an open economy. In this section, the interaction of real and money market through money, interest and income is examined. An open macroeconomic model is also highlighted. The supply side of macroeconomics is also explained, particularly the labor market. The Classical macroeconomics view is also included in the analysis for comparison to that of the Keynesian economics. Finally, section 3 emphasizes on macroeconomic policy in which fiscal and monetary policy is examined.

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BEER3043 RESEARCH METHODS

PRE-REQUISITE BEEB2013 MICROECONOMICS, BEEB2023 MACROECONOMICS

The course elucidates the nature and processes involved in research, especially in the social sciences, such as economics, sociology and psychology, and their allied areas. Although the emphasis is on survey research, other research approaches are also discussed. The course begins with the philosophy of knowledge, definition of research, scientific method in research, and ethics in research. The important steps in planning a research project, such as problem identification and formulation, formulation of the research questions, developing the study objectives, reviewing related literature, formulation of model and research hypotheses, gathering and analyzing the data and testing the hypotheses, and presenting the final report will be covered. The course also discusses, in detail, the preparation involved in writing a research proposal that is likely to be approved by relevant agencies or institutions.

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BEEB4908 PRACTICUM

PRE-REQUISITE NONE

It is a work internship to give students practical on-the-job training in their major field for a duration of 4 months. Program coordinated by faculty with cooperation of participating employers to enhance the development of future professionals. The internship experience will help students integrate theory and practice their career choices.