



**UNIVERSITI  
MALAYA**

*Faculty of Economics and  
Administration*

# **POSTGRADUATE HANDBOOK 2020/2021**



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## ACADEMIC CALENDAR 2020/2021

### SEMESTER I

Registration Week	1 week	05.10.2020	–	09.10.2020
Lectures	5 weeks	12.10.2020	–	15.11.2020
Mid-Semester I Break	1 week	16.11.2020	–	22.11.2020
Lectures	9 weeks	23.11.2020	–	24.01.2021
Examination Semester I	3 weeks	25.01.2020	–	14.02.2021
	3 weeks	15.02.2020	–	07.03.2021
Semester I Break	----- 22 weeks =====			

### SEMESTER II

Registration Week	1 week	01.03.2021	–	05.03.2021
Lectures	10 weeks	08.03.2021		16.05.2021
Mid-Semester II Break	1 week	17.05.2021	–	23.05.2021
Lectures	4 weeks	24.05.2021	–	20.06.2021
Revision Week	1 week	21.06.2021	–	27.06.2021
Examination Semester II	3 weeks	28.06.2021	–	18.07.2021
	----- 19 weeks =====			

### SESSION BREAK

Semester Break	11 weeks	19.07.2021	–	03.10.2021
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### SPECIAL SEMESTER

Lectures	7 weeks	26.07.2021	–	12.09.2021
Examinations	1 week	13.09.2021	–	19.09.2021
	2 weeks	20.09.2021	–	03.10.2021
Semester Break	----- 10 weeks =====			

#### **Important Reminders**

All postgraduate candidates are required to renew their candidature at the beginning of each semester. Failure to do so is a violation of the University regulations which will result in termination of candidature. A reminder will not be sent regarding this matter.

Implications if candidates do not renew their candidature:

- (1) Candidates will not be allowed to attend classes and sit for examinations.
- (2) Visa extension and student pass for International Students cannot be processed.
- (3) Candidates are not allowed to use the library facilities.
- (4) Termination of candidature

## UNIVERSITY OF MALAYA

### VISION

To be an internationally renowned institution of higher learning in research innovation, publication and teaching.

### MISSION

To advance knowledge and learning through quality research and education for the nation and for humanity.

### CORE VALUES

- Integrity
- Respect
- Academic Freedom
- Open-mindedness
- Accountability
- Professionalism
- Meritocracy
- Teamwork
- Creativity
- Social Responsibility

## FACULTY OF ECONOMICS AND ADMINISTRATION

### VISION

To realise the Vision of the University to be an education and research centre of excellence for knowledge creation and dissemination through teaching, learning and research in the fields of economics and administration.

### MISSION

To advance academic excellence in the fields of economics and administration.

## HISTORY OF THE FACULTY OF ECONOMICS AND ADMINISTRATION

First established in 1959 as the Department of Economics within the Faculty of Arts, University of Malaya in 1959. The Faculty of Economics and Administration (FEA) was founded in May 1966 to meet the nation's growing demand for a professional workforce. Beginning with just 14 students and three academic personnel, headed by Royal Professor Ungku Aziz, FEA has evolved into a flourishing academic community of 876 students, and 48 academic staff, among them professors and lecturers with international reputation in their respective fields.

Drawing the strength of four departments; Economics, Administrative Studies and Politics, Development Studies and Applied Statistics, FEA currently offers the Bachelor of Economics degree, and seven programmes at the postgraduate level, Master of Economics, Master of Public Administration, Master of Applied Statistics, Master of Development Studies, Master of Research in Economics, Master of Research in Public Administration and Doctor of Philosophy. Of the 876 students, 418 are enrolled in the undergraduate programme while the rest are postgraduate students, including 158 international students from various countries such as South Korea, Vietnam, Tanzania, Uzbekistan, Philippines, Nepal, Sri Lanka, Bosnia, Herzegovina, Indonesia, Iran, Iraq, China, Nigeria, Sudan, Pakistan, Myanmar, Maldives, Ghana, Japan, Thailand, Afghanistan, Libya, Bangladesh, Syria, Gambia, Yemen, Palestine, Saudi Arabia, Jordan, Egypt, United States and Canada.

The FEA also administers the Population Studies Unit (PSU) that was set up in 1979 as part of the Population and Family Health Project funded by the World Bank and the United Nations Fund for Population Activities. Research and training on population related issues are conducted under the auspices of the PSU.

The FEA is intensively engaged in enhancing academic excellence in the field of monetary and financial economics through the Tun Ismail Ali Chair (TIAC), established in August 2000. As of 31st August 2008, there have been six distinguished holders of the Chair, Professor Dr. Yilmaz Akyuz, Professor Ronald McKinnon, Dato' Seri Panglima Andrew L.T. Sheng and Professor Dr. Takatoshi Ito, Professor Ajit Singh and Professor Dr. Thorsten Beck.

To initiate and enhance research, teaching and dissemination of evidence-based knowledge in the area of social security, including old age financial protection, the Social Security Research Centre (SSRC) was established in March 2011. The Employee Provident Fund (EPF) of Malaysia has graciously provided an endowment fund to establish centre and the nation's first endowed Chair in Old Age Financial Protection (OAFPC) at University of Malaya.

In November 2006, the Royal Professor Ungku Aziz Chair was established to honour the contribution of Royal Professor Ungku Aziz in the fields of education and economic development. Professor Jeffrey D. Sachs is the first holder of the Royal Professor Ungku Aziz Chair. In conjunction with the establishment of the Chair, the Centre for Poverty and Development Studies was set up at the Faculty to serve as a focal point for academic work, research, consultancy and technical assistance in areas related to poverty and development.

In upholding its research stance, the FEA collaborates with the Malaysian Economic Association in the publication of an international journal, the Malaysian Journal of Economic Studies. FEA also has produced the International Journal of Institutions and Economies (IJIE).

## MANAGEMENT FACULTY OF ECONOMICS AND ADMINISTRATION

Dean : Professor Dr. Edmund Terence Gomez

Deputy Dean  
(Postgraduate) : Assoc. Prof. Dr. Lau Wee Yeap

Deputy Dean  
(Undergraduate) : Dr. Roza Hazli Zakaria

Deputy Dean  
(Research & Development) : Assoc. Prof. Dr. Lim Kian Ping

### **Head of Department:**

Department of Economics : Assoc. Prof. Dr. Santha Chenayah @ Ramu

Department of Development  
Studies : Assoc. Prof. Dr. VGR Chandran Govindaraju,

Department of Administrative  
Studies and Politics : Professor Dr. Beh Loo See

Department of Applied Statistics : Professor Dr. Goh Kim Leng



## ACADEMIC STAFF

### DEPARTMENT OF ECONOMICS

**Head:** Assoc. Prof. Dr. Santha Chenayah @ Ramu, PhD, MEc (Osaka), BEc (Mal)

#### **Professor**

Professor Dr. Evelyn Shyamala Paul Devadason, PhD (Mal), MSocSc (NUS),  
BEc (Mal)

Professor Dr. M Niaz Asadullah, PhD, MSc (Oxon), MA (Dhaka), BA (Aligarh)

#### **Associate Professor**

Assoc. Prof. Dr. Kwek Kian Teng, PhD (Monash), MEc, BEc (Mal)

Assoc. Prof. Dr. Lim Kian Ping, PhD (Monash), MSc (UPM), BBA (UKM)

Assoc. Prof. Dr. Santha Chenayah @ Ramu, PhD, MEc (Osaka), BEc (Mal)

Assoc. Prof. Dr. Yong Chen Chen, PhD, MEc, BSc (UPM)

#### **Senior Lecturer**

Dr. Elya Nabila Abdul Bahri, PhD (UKM), MEc, BEc (Mal)

Dr. Goh Lim Thye, PhD, M.Sc (International Economics), BEc, (UPM)

Dr. Mohamed Aslam Gulam Hassan, PhD (HiroshimaCU), PhD, MEc (Mal),  
BSocSc (USM), ASP (Kiel)

Dr. Nurulhuda Mohd Satar PhD (UWM), MEc, BEc (Mal)

Dr. Ong Sheue Li, PhD (YNU), MSc (UMS), BSc (UMT)

Dr. Roza Hazli Zakaria, PhD (UKM), MEc, BEc (Mal)

Dr. Saad Mohd Said, MSc (Lond), BEc (Mal)

Dr. Tang Tuck Cheong PhD (Monash), MSc, BEc (UUM)

Dr. Yong Sook Lu, PhD (Lancaster), MEc, BEc (Mal)

Dr. Zarinah Yusof, PhD (UPM), MEc, BEc (Mal)

#### **Lecturer:**

Mr. Chong Chin Sieng, MEc, BEc (Mal)

Mdm. Nor Hasniah Kasim, MEc (UKM), BEc (Mal)

#### **Programme External Assessor**

Professor Dr. Euston Quah

Head, Division of Economics

Nanyang Technological University

Singapore

## DEPARTMENT OF DEVELOPMENT STUDIES

**Head:** Assoc. Prof. Dr. VGR Chandran Govindaraju, PhD (Mal),  
M.Sc (Env.Management) (UKM), BA (UKM)

**Associate Professor**

Assoc. Prof. Dr. VGR Chandran Govindaraju, PhD (Mal),  
M.Sc (Env.Management) (UKM), BA (UKM)

**Associate Professor (Visiting)**

Assoc. Prof. Dr. Baskaran Angathevar, DPhil (Sussex), MSc (Middlesex), MPhil  
(JNU),  
MA (Punjab), MA (Madurai)

**Senior Lecturer**

Dr. Azmah Hj. Othman, PhD (Mal), MPhil, MSc (Wales), BEc (Mal)  
Dr. Muhammad Mehedi Masud, PhD (Mal), MSS, BSS (IIUM)  
Dr. Sharifah Muhairah Shahabudin, PhD (Mal), MSc (UiTM), BA (UC, NZ)  
Dr. Sonia Kumari Selvarajan, PhD (UNIMAS), MEc (UKM), BEc (UKM)

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Mdm. Nur Annizah Ishak, MA (UMKC), MEc, BEc (UKM)

**Programme External Assessor**

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## DEPARTMENT OF ADMINISTRATIVE STUDIES AND POLITICS

**Head:** Professor Dr. Beh Loo See, PhD (UPM), MA (UKM), BA (USM)

### **Professor**

Professor Dr. Beh Loo See, PhD (UPM), MA (UKM), BA (USM)

Professor Dr. Edmund Terence Gomez, PhD, MPhil, BA (Mal)

Professor Dr. Khadijah Md Khalid, PhD (Lond.), MA (Calif. Santa Barbara),  
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### **Associate Professor**

Assoc. Prof. Dr. Kuppusamy Singaravelloo, PhD (UPM), MPA, BSc (Mal)

Assoc. Prof. Dr. Makmor Tumin, PhD, MPA, BEc (Mal)

Assoc. Prof. Dr. Raja Noriza Raja Ariffin, PhD (Nottingham), MCRP (CSUF), BA  
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### **Senior Lecturer**

Dr. Hanira Hanafi, PhD (Durham), MCL (UIAM), LLB

Dr. Kevin Fernandez, PhD (USM), International Masters (UM), BBA (Queensland,  
Australia)

Dr. Mohammad Tawfik Yaakub, PhD (Mal), MA (UKM), BA (Political Science)  
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Dr. Muhammad Asri Mohd Ali, PhD, MPA, BEc (Mal)

Dr. Nawi Abdullah, MPA, BEc (Mal)

Dr. Nur Hairani Abd Rahman, PhD (USM), MPA (Mal), BSocSc (Political Science)  
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Dr. Nurhidayah Abdullah, PhD (Sydney), MCL (UIAM), LLB

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Professor of Politics and Head

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## DEPARTMENT OF APPLIED STATISTICS

**Head:** Professor Dr. Goh Kim Leng, PhD (Monash), MEc, BEc (Mal)

### **Professor**

Professor Dr. Goh Kim Leng, PhD (Monash), MEc, BEc (Mal)

Professor Dr. Noor Azina Ismail, PhD (QUT), MStats, BSc (UNSW)

### **Associate Professor**

Assoc. Prof. Dr. Lau Wee Yeap, PhD (Osaka), MFE (NUS), MAppStats (Mal),  
MEc (Osaka), MAcc (CSU), BSocSc (Hons) (USM)

### **Senior Lecturer**

Dr. Adilah Abdul Ghapor, PhD (Mal), BSc (Purdue University, USA)

Dr. Ahmad Farid Osman, PhD (Monash), MSc, BAppSc (USM)

Dr. Diana Abdul Wahab, PhD (Leeds), MAppStats (Mal), BDecSc (UUM)

Dr. Hannuun Eadiela Yaacob, PhD (Sheffield), MAppStats (Mal), BSc (UTM)

Dr. Lai Siow Li, PhD, MAppStats, BEc (Mal)

Dr. Muzalwana Abdul Talib @ Abdul Mutalib, PhD, MappStats (Mal), BA (Hons)  
(Sheffield Hallam)

Dr. Ng Yin Mei, PhD (Queensland), MAppStats, BEc (Mal)

Dr. Soon Siew Voon, PhD, MEc, BEc (UPM)

### **Programme External Assessor**

Professor Dr. Rahul Mukerjee

Indian Institute of Management Calcutta

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Kolkata 700 104

India

# MASTER OF ECONOMICS

## PROGRAMME GOAL AND PROGRAMME LEARNING OUTCOMES

### **Programme Goal**

To produce graduates equipped with critical and analytical skills required for holistic analysis of economic problems.

### **Programme Learning Outcomes**

At the end of the programme, graduates are able to:

- (1) examine thoroughly the issue of development and current economic's problems.
- (2) develop high qualitative, quantitative and ICT skills to assess economic problems.
- (3) relate theory to current social issues and the ecosystem.
- (4) practice ethical and professional values in tasks.
- (5) master communication, teamwork and leadership skills effectively.
- (6) solve economic problems using scientific skills.
- (7) integrate information management with life long learning skills.

**STRUCTURE OF  
PROGRAMME OF STUDY**

Code	Course	Credit	Duration of Examination	Distribution of Marks	
				% Continuous Assessments	% Final Examination
<b>CORE COURSES</b>					
EQX7001	Philosophy and Methodology of Research	4	2 hours	70	30
EQA7002	Research Project	10	-	100	-
EQA7003	Advanced Microeconomics	4	3 hours	50	50
EQA7004	Advanced Macroeconomics	4	-	50	50
EQA7005	The Malaysian Economy	4	3 hours	100	-
EQC7005	Applied Econometrics	4	3 hours	50	50

**And at least twelve (12) credit of the following optional courses:**

**OPTIONAL COURSES**

EQA7006	Economic Development and Planning	3	2 hours	50	50
EQA7007	Applied Macroeconomics	3	2 hours	50	50
EQA7008	Money and Finance in Economic Development	3	2 hours	50	50
EQA7009	Public Economics	3	2 hours	50	50
EQA7010	International Trade and Environment	3	2 hours	50	50
EQA7011	Islamic Banking and Finance	3	2 hours	50	50
EQA7012	Issues in Economic Analysis	3	2 hours	50	50
EQA7013	Advanced International Trade	3	2 hours	50	50
EQA7014	Urban Economics	3	2 hours	50	50
EQA7015	Social Protection	3	2 hours	50	50
EQC7006	Time Series Analysis	4	3 hours	50	50
EQC7014	Applied Financial Econometrics	3	2 hours	50	50
EQD7005	Poverty and Inequality	3	2 hours	70	30
EQD7008	Institutions, Industrial Development and Economic Growth	3	2 hours	60	40

\*Optional courses offered in each semester may vary from semester to semester.

**MASTER OF ECONOMICS  
TIME TABLE**

**SEMESTER I, 2020/2021 SESSION**

DAY	TIME	COURSE CODE	COURSE NAME	EXAMINATION PERIOD	LECTURER	VENUE
Monday	6.00 pm – 9.00 pm	EQA7003	Advanced Microeconomics	3 hours	Dr. Nurulhuda Mohd Satar	BSP 0-2
Tuesday	6.00 pm – 9.00 pm	EQX7001	Philosophy and Methodology of Research	2 hours	Prof. Dr. M Niaz Asadullah	BSP 3-1
	6.00 pm – 9.00 pm	EQA7006	Economic Development and Planning	2 hours	Prof. Dr. Asan Ali Golam Hassan@ Mohammad	BSP 0-2
	6.15 pm – 9.00 pm	EQC7014	Applied Financial Econometrics	2 hours	Prof. Dr. Goh Kim Leng	G2 & G3 Computer Lab
Wednesday	6.00 pm – 9.00 pm	EQA7004	Advanced Macroeconomics	3 hours	Dr. Mohamed Aslam Gulam Hassan	BSP 0-2
	6.00 pm – 9.00 pm	EQA7013	Advanced International Trade	2 hours	(1) Prof. Dr. Evelyn Shyamala Paul Devadason (2) Dr. Tang Tuck Cheong	BSP 1-3
Thursday	6.00 pm – 9.00 pm	EQA7014	Urban Economics	2 hours	Dr. Nurulhuda Mohd Satar	BSP 0-2
	6.15 pm – 9.15 pm	EQC7005	Applied Econometrics	3 hours	Dr. Ahmad Farid Osman	G2 & G3 Computer Lab
Friday	6.00 pm – 9.00 pm	EQA7005	The Malaysian Economy	No Examination	Dr. Mohamed Aslam Gulam Hassan	DK4
Saturday	9.00 am – 12.00 pm	EQA7008	Money and Finance in Economic Development	2 hours	Assoc. Prof. Dr. Chan Sok Gee	DK4
<b>EQA7002 Research Project (10 credit) - No Lecture</b>						



**SEMESTER II, 2020/2021 SESSION (TENTATIVE)**

DAY	TIME	COURSE CODE	COURSE NAME	EXAMINATION PERIOD	LECTURER	VENUE
Monday	6.00 pm – 9.00 pm	EQX7001	Philosophy and Methodology of Research	2 hours	Assoc. Prof. Dr. Yong Chen Chen	BSP 3-1
		EQA7015	Social Protection	2 hours	Dr. Mario Arturo Ruiz Estrada	BSP 0-3
Tuesday	6.00 pm – 9.00 pm	EQA7011	Islamic Banking & Finance	2 hours	To be confirmed	BSP 0-3
	6.15 pm - 9.15 pm	EQC7005	Applied Econometrics	3 hours	Assoc. Prof. Dr. Lau Wee Yeap	G2 & G3 Computer Lab
		EQC7006	Time Series Analysis	3 hours	Dr. Ahmad Farid Osman	Postgraduate Computer Lab
Wednesday	6.00 pm – 9.00 pm	EQA7004	Advanced Macroeconomics	3 hours	Dr. Mohamed Aslam Gulam Hassan	BSP 0-3
		EQA7007	Applied Macroeconomics	2 hours	Assoc. Prof. Dr. Kwek Kian Teng	Utility Computer Lab
Thursday	6.00 pm – 9.00 pm	EQA7009	Public Economics	2 hours	Dr. Mohamed Aslam Gulam Hassan	BSP 1-2
Friday	6.00 pm – 9.00 pm	EQA7003	Advanced Microeconomics	3 hours	Dr. Ong Sheue Li	DK4
		EQA7012	Issues in Economic Analysis	2 hours	Dr. Tang Tuck Cheong	BSP 1-2
<b>EQA7002 Research Project (10 credit) - No Lecture</b>						

## COURSE INFORMATION

**EQX7001**  
4 Credits

### PHILOSOPHY AND METHODOLOGY OF RESEARCH

#### Learning Outcomes

At the end of this course, students are able to:

- (1) Examine the logic of scientific discovery and what constitutes novelty in research.
- (2) Compare the usage of inductive and deductive research.
- (3) Apply the different types of research methodologies.
- (4) Formulate a research proposal.

#### Synopsis of Course Contents

Using examples from past research and methodologies, this course seeks to examine in its entirety the philosophy and methodology of research so as to help equip students with a better understanding of how to undertake research, analyse data, and write scholarly and policy papers. Following a sequential exposition of the philosophical underpinnings of research and methodology, and the procedures of data collection, estimation and interpretation, the course introduces all the main current methodologies as well as qualitative and quantitative tools of data analysis. Lectures will be supplemented with a critical examination of the methodological frameworks used in selected leading publications.

#### Assessment Weightage

Continuous Assessment : 70%  
Final Examination : 30%

#### Medium of Instruction

English

**EQA7002**  
10 Credits

**RESEARCH PROJECT**

Learning Outcomes

At the end of the course, students are able to:

- (1) Formulate a research question based on the relevant literature
- (2) Design a research framework.
- (3) Analyze the information / data collected using statistical techniques and appropriate software.
- (4) Assess the significance and implication of research findings
- (5) Write a research report.

Synopsis of Course Contents

The course is designed to train students in conducting a research in economics and writing a research paper. Students are guided by at least one supervisor from the development of a research project to preparation of the report. The stages include identification of a research question, designing a study, literature review (analysis, synthesis and critic of empirical research and theory), data collection, data analysis, analysis of the findings to answer the research questions, and drawing appropriate conclusions.

Assessment Weightage

Continuous Assessment : 100%

(The Research Project is examined by the Supervisor(s) and an appointed Examiner. The marks given by the Supervisor(s) and Examiner carry equal weight)

Medium of Instruction

English

**EQA7003**

4 Credits

**ADVANCED MICROECONOMICS**

Learning Outcomes

At the end of this course, students are able to:

- (1) Analyse the core topic areas of microeconomics at the advanced level via the mathematical approach;
- (2) Apply microeconomics theory to a variety of problems and issues in economics;
- (3) Examine economic issues and problems analytically; and
- (4) Propose solutions based on microeconomic principles.

Synopsis of Course Contents

This course will analyse microeconomic theory in terms of the classical approach as well as modern microeconomic theory. The course will focus on the core topic areas of microeconomics such as the consumer theory, the theory of the firm, market structures, public goods, externalities, risk and uncertainty and asymmetric information. The combined application of basic mathematical tools and microeconomic theory will give the student the opportunity to develop quantitative and analytical reasoning skills.

Assessment Weightage

Continuous Assessment : 50%  
Examination : 50%

Medium of Instruction

English

<b>EQA7004</b> 4 Credits	<b>ADVANCED MACROECONOMICS</b>
Learning Outcomes	At the end of this course, students are able to:  (1) Interpret fundamental macroeconomic theory (2) Contrast the different macroeconomic approaches (3) Apply macro models in analysis of economic problem (4) Evaluate the outcomes of macro-models
Synopsis of Course Contents	This course encompasses the development of 2 basic neoclassical models namely the infinite horizon and overlapping generation's models. This is followed by discussions on Real Business Cycle Theory, traditional Keynesian Theory, New Keynesian Economics, Consumption, Investment and Monetary.
Assessment Weightage	Continuous Assessment : 50% Final Examination : 50%
Medium of Instruction	English

**EQA7005**

4 Credits

**THE MALAYSIAN ECONOMY**

Learning Outcomes

At the end of the course, students are able to:

- (1) Analyse issues of the Malaysian economy;
- (2) examine challenges, policies and performance of the Malaysian economy; and
- (3) Debate on current issues of the Malaysian economy.

Synopsis of Course Contents

This course emphasises major issues relating to the Malaysian economy. Topics that will be covered include issues on economic growth, structural transformation & institutional change, issues in sectorial development, issues in macroeconomic management with respect to goals, policies & performance, an analysis of economic crises, business–government relations, privatization policies & role of GLCs, international trade & investment, development of financial system, markets & institutions, development of key factor markets, affirmative action as well as development issues such as human capital formation (education) and migration.

Assessment Weightage

Continuous Assessment : 100%

Medium of Instruction

English

<b>EQA7006</b> 3 Credits	<b>ECONOMIC DEVELOPMENT AND PLANNING</b>
Learning Outcomes	At the end of this course, students are able to:  <ol style="list-style-type: none"><li>(1) Explain the concepts and meaning of economic growth and economic development;</li><li>(2) Analyse the major theories of economic development;</li><li>(3) Compare the structure and characteristics of developing countries; and</li><li>(4) Evaluate the main policy issues related to problems of economic development and planning in developing countries.</li></ol>
Synopsis of Course Contents	Principal topics of the course include the concept and meaning of economic growth and economic development, major theories of economic development, structure and characteristics of developing countries and main policy issues related to problems of economic development and planning in developing countries such as population growth and development, poverty and income distribution, agricultural development, industrialisation, balance of payment issues, the Asian Economic Miracle and the Asian financial crisis and remedies.
Assessment Weightage	Continuous Assessment : 50% Final Examination : 50%
Medium of Instruction	English

**EQA7007**

3 Credits

**APPLIED MACROECONOMICS**

Learning Outcomes

At the end of the course, students are able to:

- (1) Comparing macroeconomic thinking and fundamental evolution to policy making;
- (2) Analysing macro and financial instabilities in times of economic shocks;
- (3) Examine mainstream policy issues related to modern macroeconomic problems.

Synopsis of Course Contents

This course aims to deepen the knowledge of macroeconomics in empirical analyses. First, the understanding of the application of economic theories and principles to real world situations with the desired aim of predicting potential outcomes is explored. The use of *applied macroeconomics* is analytically reviewed and macroeconomic instabilities are explored. Finally, policy issues related to modern macroeconomic problems are discussed.

Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

Medium of Instruction

English



**EQA7008**

3 Credits

**MONEY AND FINANCE IN ECONOMIC DEVELOPMENT**

Learning Outcomes

At the end of this course, the students are able to:

- (1) Analyse the role of money and finance in economic development;
- (2) Examine developments in the national and international financial systems; and
- (3) Relate real sector issues to the financial sector.

Synopsis of Course Contents

This course will examine issues mainly related to financial liberalization and its impact on banking and capital market operations; government budgetary finance and its macroeconomic implications; external debt and financial crises; the choice of an appropriate exchange rate regime; and international capital flows and challenges to emerging markets.

Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

Medium of Instruction

English

**EQA7009**

3 Credits

**PUBLIC ECONOMICS**

Learning Outcomes

At the end of the course, students are able to:

- (1) Relate the major themes in public economics, primarily theoretical arguments with empirical illustrations on contemporary issues;
- (2) Analyse the theoretical foundations, substantive issues and empirical perspectives in public economics, especially for the developing countries;
- (3) Investigate the effects of alternative policies and the determination of the optimal policy, the specific problems of development finance, as well as how the State intervenes to affect these choices, under different governmental systems.

Synopsis of Course Contents

The course covers the theoretical arguments and substantive issues, illustrated with empirical data, concerning policy problems involving the use of tax and expenditure measures. While looking at the vast array of fiscal institutions - tax systems, expenditure programmes, budget procedures, stabilization instruments, debt issues - the way fiscal functions are divided among levels of government is also focused upon. This leads to a discussion of fiscal federalism, including the pattern of federal support, the position of state finances, the emergence of regional problems, the system of intergovernmental grants, the assignment of taxing powers and borrowing powers, the problems of fiscal imbalance, interjurisdictional spillovers and other related issues such as the distributive justice problem and the public choice option.

Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

Medium of Instruction

English

<b>EQA7010</b> 3 Credits	<b>INTERNATIONAL TRADE AND ENVIRONMENT</b>
Learning Outcomes	At the end of this course, students are able to:  (1) Analyse the relationship between environmental issues/ problem and trade. (2) Examine how international agencies developed major trade – environment agreement and its implementation ; and (3) Evaluate critically trade–environmental policies in the wider context of the global economics system.
Synopsis of Course Contents	This course will focus on both theory and empirical work to examine the effect of environment regulation on trade flows. A simple economic model based on the partial and general equilibrium framework will be developed to measure the relationship between environmental regulation and international trade. This course address such question as; What is the real evidence for trade–environmental disputes? What are the key issues for each producing industry, especially the resource based sectors. How does green marketing, eco-labelling and green standard operation such as ISO 1400 resolve some of the conflicts between trade and the environment.
Assessment Weightage	Continuous Assessment : 50% Final Examination : 50%
Medium of Instruction	English

**EQA7011**

3 Credits

Learning Outcomes

**ISLAMIC BANKING AND FINANCE**

At the end of the course, students are able to:

- (1) Apply the underlying concepts and principles of Islamic banking and finance;
- (2) Analyze differences between the Islamic and the conventional financial systems; and
- (3) Argue issues and policies pertaining to the development of Islamic banking and finance in theory and practice.

Synopsis of Course Contents

This course gives an overview of the Islamic financial system which comprises the Islamic financial institutions and financial markets. The course starts with a discussion of the fundamentals of Islamic banking and finance; the rationale, underlying concepts and principles. It will then examine issues pertaining to the development of Islamic financial institutions and financial markets. Course topics include the prohibition of *riba*, Islamic contracts of exchange, Islamic banking in theory and practice, Islamic insurance (*ta'aruf*), Islamic money market, Islamic equity market, Islamic derivatives (*sukuk*) and regulatory issues.

Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

Medium of Instruction

English

<b>EQA7012</b> 3 Credits	<b>ISSUES IN ECONOMIC ANALYSIS</b>
Learning Outcomes	At the end of the course, the students are able to: <ul style="list-style-type: none"> <li>(1) Debate critically contemporary economic issues that are of interest to society;</li> <li>(2) Evaluate issues of related public policy; and</li> <li>(3) Generate the implication of a wide range of economic issues</li> </ul>
Synopsis of Course Contents	This course deals with contemporary economic issues and the related public policy. The areas to be discussed include developments in growth economics, network economics, financial globalization, law and finance, and population ageing and the provision of old age pensions. The focus of discussion covers disparity among nations and the convergence controversy; externalities, interdependency and path-dependence of the network industries; financial meltdowns in past emerging market globalization episodes; corporate finance and governance and its inter-relationship to the financial system and legal infrastructure; and debates about pension reform as well as retirement investing.
Assessment Weightage	Continuous Assessment : 50% Examination : 50%
Medium of Instruction	English

**EQA7013**

3 Credits

**ADVANCED INTERNATIONAL TRADE**

Learning Outcomes

At the end of this course, the students are able to:

- (1) Adapt basic theory to recent advances in international trade.
- (2) Analyze international trade issues.
- (3) Debate critically on various policy questions pertaining to international trade.

Synopsis of Course Contents

The course is divided into two parts. The first part focuses on the building blocks of positive trade theory, the effects of different types of policy instruments and the welfare effects of trade agreements. The second part of the course explores some topics at the frontier of research in international trade, namely the trade-wage debate, networks, trade and poverty, trade and environment and the political economy of trade policy.

Assessment Weightage

Continuous Assessment : 50%  
Final Examination :50%

Medium of Instruction

English

**EQA7014**

3 Credits

**URBAN ECONOMICS**

**Learning Outcomes**

At the end of the course, students are able to:

- (1) Explain descriptively and theoretically the existence and growth of urban areas.
- (2) Analyze the spatial structure of cities using locational choice theories.
- (3) Apply economic theories to explain social issues related to urbanization.
- (4) Critically evaluate urban public policies.

**Synopsis of Course Contents**

This course first discuss the theories and evidences on emergence of cities and spatial agglomeration. It looks at the role of cities in aggregate economy and explore the impacts of spatial agglomeration on workers' productivity and income. Theory and evidence of internal structure of cities is also explained. This course also look into the nature and causes of urban distress as well as appropriate policies to address them.

**Assessment Weightage**

Continuous Assessment : 50%  
Final Examination : 50%

**Medium of Instruction**

English

**EQA7015**

3 Credits

**SOCIAL PROTECTION**

Learning Outcomes

At the end of the course, students are able to:

- (1) Analyse the role of social policy & social protection schemes in addressing risk and economic uncertainties;
- (2) Examine developments and reforms in the national and international social protection systems;
- (3) Relate social security to the labour market issues and financial planning; and
- (4) Evaluate the social protection framework in Malaysia

Synopsis of Course Contents

This course will examine issues mainly related to social policy, economic risks mitigation and social protection schemes; economics of social security; trends in social security reforms; role of social security in times of economic and financial crisis; choice of an appropriate social protection system and issues of sustainability, access, coverage and inter-generation equity; challenges to developing economies; and Malaysia's social security schemes and legislative codes

Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

Medium of Instruction

English



**EQC7005**

4 Credits

**APPLIED ECONOMETRICS**

Learning Outcomes

At the end of the course, students are able to:

- (1) Apply regression analysis for quantifying economic relationships;
- (2) Construct models in a manner suitable for econometric testing;
- (3) Appraise the adequacy of regression models estimated using econometric software;
- (4) Draw valid conclusions from the results of estimation and hypothesis-testing;
- (5) Present the output of econometric analysis effectively.

Synopsis of Course Contents

The course is designed to equip students with econometric tools of analysis for research work. Computer software is used for the purposes of estimation, prediction and basic modelling. Single-equation models in the classical context are given emphasis. Diagnostic tests and problems of estimation (multicollinearity, heteroscedasticity and autocorrelation) are discussed. Extensions to single-equation models covered include qualitative choice models, dummy variables and autoregressive and distributed lag model. Introduction to simultaneous-equation models is given.

Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

Medium of Instruction

English

**EQC7006**

4 Credits

**TIME SERIES ANALYSIS**

Learning Outcomes

At the end of the course, students are able to:

- (1) Describe graphically and quantitatively the patterns in time series data;
- (2) Develop forecasting models that incorporate correlated error structures;
- (3) Compare the forecasting performance of the different models developed for a given set of data; and
- (4) Explain the results arising from the application of time series analysis in various fields.

Synopsis of Course Contents

This course exposes students to the study of time series data. It focuses on the use of statistical models (such as classical decomposition, exponential smoothing, least squares, ARIMA) for forecasting. Students learn to assess and select an appropriate model from among different possible models for a given set of data. The use of statistical software to analyse data ensures that the students learn the nuances of modelling correlated error structures.

Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

Medium of Instruction

English

**EQC7014**  
3 Credits

## **APPLIED FINANCIAL ECONOMETRICS**

### Learning Outcomes

At the end of the course, students are able to:

- (1) Analyse returns to financial assets and construct indices as measures of stock market performance;
- (2) Design financial models including time-varying volatility models using appropriate software;
- (3) Determine the adequacy of estimated econometric-time series models in the area of finance; and
- (4) Communicate the findings effectively.

### Synopsis of Course Contents

The course introduces the methods of construction of stock market indices, computation of returns with adjustment for capital changes and estimation of betas. Tests of market efficiency and estimation of selected financial models are discussed. The capital asset pricing model is applied for analyzing the ability of market timing and stock selectivity. Spurious regressions and stochastic processes are introduced. The importance of data stationarity and order of integration for financial data is explained. VAR modelling, impulse response function, variance decomposition, causality, cointegration and error correction mechanism are discussed in the context of financial models. Calendar anomalies and methods for modelling volatility in financial data, such as ARCH & GARCH, are discussed.

### Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

### Medium of Instruction

English

**EQD7005**  
3 Credits

## **POVERTY AND INEQUALITY**

### Learning Outcomes

At the end of this course, students are able to:

- (1) Identify concepts of poverty and inequality
- (2) Analyse problems and issues related to poverty and inequality, particularly for developing countries
- (3) Propose policies for alleviating poverty, reducing inequality and fostering more inclusive development.

### Synopsis of Course Contents

This course will cover the concepts, policies and socioeconomic outcomes related to poverty and distribution, particularly in developing economies. We will critically consider established and current works studying the meanings and causes of deprivation and disparity, trends and patterns of poverty and inequality, and policy options for solving these fundamental problems. Our approach will be inter-disciplinary and oriented to real world situations.

### Assessment Weightage

Continuous Assessment : 70%  
Final Examination : 30%

### Medium of Instruction

English

<b>EQD7008</b> 3 Credits	<b>INSTITUTIONS, INDUSTRIAL DEVELOPMENT AND ECONOMIC GROWTH</b>
Learning Outcomes	At the end of this course, students are able to:  <ol style="list-style-type: none"><li>(1) Explain the concept of institutions, industrial development and the growth theories</li><li>(2) Identify how institutions explain industrial development and growth</li><li>(3) Compare the issues of institutional, industrial development and growth in different countries</li><li>(4) Interpret relevant case studies in understanding the complex relationship between institution, industrial development and economic growth</li></ol>
Synopsis of Course Contents	This course is designed to expose students to the concepts of institution, industrial development and economic growth. The emphasis is on the role of institutional and industrial development on economic growth. The course will expose students to the complex relationship between the institutions, industrial development and economic growth by means of a combination of various relevant literatures that resides within the domain of institutional economics, industrial policy and growth theories.
Assessment Weightage	Continuous Assessment : 60% Final Examination : 40%
Medium of Instruction	English

**PROPOSED STUDY PLAN**

COMPONENT	SEMESTER 1		SEMESTER 2		SPECIAL SEMESTER		TOTAL CREDIT
	Subject	Credit	Subject	Credit	Subject	Credit	
<b>Core Course</b>	EQX 7001 EQA 7003 EQA 7004	4 4 4	EQC7005 EQA7005 EQA7002 (P)	4 4 5	EQA7002 (P)	5	30
<b>Optional Course</b>	Choose any one (1) elective courses (3 credit)	3	Choose any three (3) elective courses (9 credit)	9			12
<b>Total Credit</b>		<b>15</b>		<b>22</b>		<b>5</b>	<b>42</b>

**TOTAL CREDIT: 42 CREDITS**

**MASTER OF  
PUBLIC ADMINISTRATION**

## PROGRAMME GOAL AND LEARNING OUTCOMES

### Programme Goal

To be recognized as a premier postgraduate programme in public administration at the global level that advances knowledge and develops analytical and critical skills to produce ethical and responsible public administrators and policy makers, in addition to producing graduates with critical and analytical skills required of competent public administrators and policy makers.

### Programme Learning Outcomes

At the end of the programme, graduates are able to:

- (1) Develop a thorough understanding of issues, challenges, obligations and opportunities of public administration in a diverse and dynamic context.
- (2) Integrate theories, management and ICT skill in analysing issues in politics and administration.
- (3) Inculcate a sense of social responsibility as an administrator.
- (4) Practise ethical and professional values in addressing issues relating to public administration.
- (5) Develop communication and leadership skills in managing organizations.
- (6) Apply problem-solving skills and techniques of decision-making in organizations.
- (7) Utilise information management skills and demonstrate capacity for life long learning.



**STRUCTURE OF  
PROGRAMME OF STUDY**

Code	Course	Credit	Duration of Examination	Distribution of Marks	
				% Continuous Assessments	% Final Examination
<b>CORE COURSES</b>					
EQB7001	Research Methodology in Public Administration	4	-	100	-
EQB7002	Research Project	10	-	100	-
EQB7003	Public Administration and Politics	4	2 hours	60	40
EQB7004	Management Theory and Practic	4	2 hours	60	40
EQB7005	Public Policy Analysis	4	2 hours	55	45
EQB7006	Fiscal Administration	4	3 hours	50	50

**And at least twelve (12) credit of the following optional courses:**

**OPTIONAL COURSES**

EQB7007	Administrative Behaviour	3	2 hours	60	40
EQB7008	Human Resource Management	3	2 hours	60	40
EQB7009	Quality Management	3	2 hours	60	40
EQB7010	Malaysian Politics and Governance	3	2 hours	50	50
EQB7011	Urban Management	3	2 hours	50	50
EQB7012	Social Policy and Development	3	2 hours	60	40
EQB7013	Planning and Community Development	3	2 hours	50	50
EQB7014	Political Communication and the Media	3	2 hours	60	40
EQD7004	Globalization and Development	4	2 hours	60	40
EQA7006	Economic Development and Planning	3	2 hours	50	50

\*Optional courses offered in each semester may vary from semester to semester.

## MASTER OF PUBLIC ADMINISTRATION TIME TABLE

### SEMESTER I, 2020/2021 SESSION

DAY	TIME	COURSE CODE	COURSE NAME	EXAMINATION PERIOD	LECTURER	VENUE
Monday	6.00 – 9.00 pm	EQB7004	Management Theory and Practice	2 hours	To be confirmed	BSP 0-4
		EQB7010	Malaysian Politics and Governance	2 hours	Dr. Muhammad Asri Mohd Ali	BSP 1-1
Tuesday	6.00 – 9.00 pm	EQB7006	Fiscal Administration	3 hours	To be confirmed	BSP 0-4
		EQB7013	Planning Community and Development	2 hours	Assoc. Prof. Dr. Raja Noriza Raja Ariffin	BSP 1-1
		EQA7006	Economic Development and Planning	2 hours	Prof. Dr. Asan Ali Golam Hassan@ Mohammad	BSP 0-2
Wednesday	6.00 – 9.00 pm	EQB7005	Public Policy Analysis	2 hours	Dr. Nur Hairani Abd Rahman	BSP 0-4
		EQB7008	Human Resource Management	2 hours	Dr. Nurul Liyana Mohd Kamil	BSP 1-1
Thursday	6.00 – 9.00 pm	EQB7003	Public Administration and Politics	2 hours	Assoc. Prof. Dr. Makmor Tumin	BSP 1-1
		EQB7009	Quality Management	2 hours	Dr. Nur Hairani Abd Rahman	BSP 0-4
Friday	6.00 – 9.00 pm	EQB7001	Research Methodology in Public Administration	No Examination	Assoc. Prof. Dr. Kuppusamy Singaraveloo	Postgraduate Computer Lab
		EQD7004	Globalization and Development	2 hours	Dr. Shankaran Nambiar	BSP 0-3
<b>* EQB7002 Research Project (10 credits) - No lecture</b>						

**SEMESTER II, 2020/2021 SESSION (TENTATIVE)**

DAY	TIME	COURSE CODE	COURSE NAME	EXAMINATION PERIOD	LECTURER	VENUE
Monday	6.00 – 9.00 pm	EQB7004	Management Theory and Practice	2 hours	Professor Dr. Beh Loo See	BSP 0-4
		EQB7014	Political Communication and the Media	2 hours	Dr. Mohammad Tawfik Yaakub	BSP 1-1
Tuesday	6.00 – 9.00 pm	EQB7006	Fiscal Administration	3 hours	To be confirmed	BSP 1-1
		EQB7012	Social Policy and Development	2 hours	Dr. Nur Hairani Abd Rahman	BSP 0-4
Wednesday	6.00 – 9.00 pm	EQB7005	Public Policy Analysis	2 hours	Professor Dr. Khadijah Md Khalid	BSP 0-4
		EQB7011	Urban Management	2 hours	Assoc. Prof. Dr. Raja Noriza Raja Ariffin/ Cik Maria Mohd Ismail	BSP 1-1
Thursday	6.00 – 9.00 pm	EQB7003	Public Administration and Politics	2 hours	Dr. Muhammad Asri Mohd Ali	BSP 1-1
		EQB7007	Administrative Behaviour	2 hours	Dr. Nurul Liyana Mohd Kamil	BSP 0-4
Friday	6.00 – 9.00 pm	EQB7001	Research Methodology in Public Administration	No Examination	Assoc. Prof. Dr. Kuppusamy Singaravelloo	Postgraduate Computer Lab
		EQD7004	Globalization and Development	2 hours	Will be identified	BSP 0-3
<b>EQB7002 Research Project (10 credits) - No lecture</b>						

## COURSE INFORMATION

**EQB7001**  
4 Credits

### **RESEARCH METHODOLOGY IN PUBLIC ADMINISTRATION**

#### Learning Outcomes

At the end of the course, students are able to:

- (1) Demonstrate familiarity with concepts and theoretical perspectives in research methods;
- (2) Apply research methods in Public Administration;
- (3) Demonstrate competence in information management; and
- (4) Compare past research practices.

#### Synopsis of Course Contents

The course equips students with the required knowledge and skills to conduct research focussing on the public sector. Attention is given to areas such as the research process, variables, design, conceptualisation, operationalisation and measurement, reliability and validity, methods of collecting data, sampling, ethics and statistical analysis.

The course also guides students to prepare a research proposal and acquire statistical skills, such as Statistical Package for the Social Sciences (SPSS).

#### Assessment Weightage

Continuous Assessment :100%

#### Medium of Instruction

English

<b>EQB7002</b> 10 Credits		<b>RESEARCH PROJECT</b>
Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) Determine a suitable topic for problem, objective and background of research;</li> <li>(2) Integrate information from the relevant literature and design a research framework;</li> <li>(3) Apply the right methodology in collecting required data;</li> <li>(4) Analyze the information/ data collected; and</li> <li>(5) Producing written research reports.</li> </ol>	
Synopsis of Course Contents	<p>The course is designed to train students in conducting research in public administration and writing a research paper. Students are guided by at least one supervisor from the development of a research project to the completion of the research report. The stages include identification of issues, establish problem statement, research questions, designing a study, literature review (analysis, synthesis and critic of empirical research and theory), data collection, data analysis, analysis of the findings to answer the research questions, and drawing appropriate conclusions.</p>	
Assessment Weightage	Continuous Assessment :100%	
Medium of Instruction	English	

**EQB7003**

4 Credits

**PUBLIC ADMINISTRATION AND POLITICS**

Learning Outcomes

At the end of the course, students are able to:

- (1) Relate the key theories and concepts in the field of public administration and politics;
- (2) Analyse contemporary issues in public administration and politics, comparative public administration and good governance; and
- (3) Propose practice of public administration and evaluation of political systems.

Synopsis of Course  
Contents

This course encompasses main themes in the discipline of public administration. They include state and society, public administration and politics, bureaucracy and public management; and changes and reforms in public administrations

Assessment Weightage

Continuous Assessment : 60%  
Final Examination : 40 %

Medium of Instruction

English

**EQB7004**

4 Credits

**Learning Outcomes**

**MANAGEMENT THEORY AND PRACTICE**

At the end of the course, students are able to:

- (1) Interpret the concept of management and integrate the skills associated with management from a historical perspective.
- (2) Analyse the difficulties faced by managers; and
- (3) Explain an understanding of management as it relates to issues such as social responsibility, ethics, transparency and accountability; and the need for impartiality and neutrality of the bureaucracy.

**Synopsis of Course Contents**

This course is designed to explore the field of management in theory and practice, and as both a science and an art. The course also addresses the role of managers in the current world of rapid change, increased competitive forces, and increased expectations for the successful performance of employees and organizations. The focus is on some of the ways and means of achieving desired goals. The student will leave this course with a strong background in the nature and work of management and managers. Applications of concepts to current workplace issues will be stressed.

**Assessment Weightage**

Continuous Assessment :60%  
Final Examination :40%

**Medium of Instruction**

English

**EQB7005**

4 Credits

**PUBLIC POLICY ANALYSIS**

Learning Outcomes

At the end of the course, students will be able to:

- (1) Apply the theories involving the developmental state and neoliberalism;
- (2) Identify governance and policy planning methods and implementation of key policies in East Asia and Malaysia; and
- (3) Apply theories different governance forms and developmental policies in East Asia.

Synopsis of Course Contents

This course is concerned with the structure of governance and its impact on development, with a focus on how policies evolve and are implemented. It is organized in three parts: first, an introduction to relevant theories of the state and a comparison of developmental models. Second, an analysis of policy planning and implementation in East Asia and Malaysia, with a focus on the latter. Third, case studies of major policies and assessment of their impact on socio-economic development.

Assessment Weightage

Continuous Assessment : 55%  
Final Examination : 45 %

Medium of Instruction

English



**EQB7006**

4 Credits

## Learning Outcomes

**FISCAL ADMINISTRATION**

At the end of the course, students are able to:

- (1) Examine the contemporary issues in fiscal administration especially in developing countries;
- (2) Analyze the government budgetary process from the economic and political economy perspectives;
- (3) Analysis of issues related to fiscal federalism and fiscal administration in a multi-level system of government; and
- (4) Assess the costs and benefits of government investment projects, taking into consideration the criteria of efficiency and equity, in the interest of the society.

## Synopsis of Course Contents

This course is concerned with public goods and public choice associated with fiscal administration, taking into consideration the criteria of efficiency and equity, as well as how politicians and bureaucrats influence budgetary outcomes. It examines taxation and expenditure policies of the government and discusses alternative means of financing government expenditures as well as costs and benefits of government investment projects. It also focuses on fiscal federalism, federal finance, as well as intergovernmental relations and financial adjustment.

## Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

## Medium of Instruction

English

**EQB7007**

3 Credits

**ADMINISTRATIVE BEHAVIOUR**

Learning Outcomes

At the end of the course, students are able to:

- (1) Interpretation of theories, principles and concepts applicable to the study of Administrative Behavior.
- (2) Evaluate how the study of organisational behaviour can assist us in improving managerial processes and practices;
- (3) Critically evaluate models and theories explored throughout the module and demonstrate reflexivity and analytical skills which will support their managerial development; and
- (4) Demonstrate competence in critical reasoning and decision-making.

Synopsis of Course Contents

This course will explore and. the centrality of organisational behaviour to understanding organisational functioning, focusing particularly on individual and group/team level and understand human behaviour in organisations via the disciplinary bases of psychology and sociology.

The perspectives covered in this course includes understanding individual differences, perceptions and attributions, fostering learning and reinforcement, motivation in the workplace, team and leadership behaviour and studies on organizational design, change and development.

Assessment Weightage

Continuous Assessment : 60%  
Final Examination : 40 %

Medium of Instruction

English

**EQB7008**

3 Credits

Learning Outcomes

**HUMAN RESOURCE MANAGEMENT**

At the end of the course, students are able to:

- (1) Identify how the organization can gain sustainable competitive advantage through human resource;
- (2) Examine the changing role and function of human resource manager; and
- (3) Assess how human resource affects employees, the organization and community and the larger society.

Synopsis of Course Contents

This course will provide an understanding of the fundamental ways organizations manage people. Topics covered include understanding the internal and external environment, managing organizational and human resource changes, recruiting, training and compensation appraisal, career and safety management health, and issues relating to global human resource management.

Assessment Weightage

Continuous Assessment : 60%  
Final Examination : 40 %

Medium of Instruction

English

**EQB7009**

3 Credits

**QUALITY MANAGEMENT**

Learning Outcomes

At the end of the course, students are able to:

- (1) Examine the concepts and philosophy of Quality, Quality Management and Total Quality Management;
- (2) Appraise models, approaches and techniques of quality management; and
- (3) Interpret other aspects of quality management and achievements in organizations.

Synopsis of Course  
Contents

This course will explore and analyze theories, approaches, and concepts of quality (goods and services), probe quality management practices, examine quality planning, control and measurement tools. It will also identify and evaluate quality management issues and problems. The emphasis will be on service quality and management.

Assessment Weightage

Continuous Assessment : 60%  
Final Examination : 40 %

Medium of Instruction

English

**EQB7010**

3 Credits

**MALAYSIAN POLITICS AND GOVERNANCE**

Learning Outcomes

At the end of the course, students are able to:

- (1) Examine the Malaysian political system;
- (2) Analyze events and topics on contemporary Malaysian politics and economic development; and
- (3) Assess issues concerning development of nations.

Synopsis of Course Contents

The first part of the course provides an overview of Malaysian political system and process. It also discusses major political developments which have taken place over the past years until present. Selected issues and topics such as political parties, general elections, the middle class, democracy and foreign policy will be discussed in the second part of the course.

Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50 %

Medium of Instruction

English

**EQB7011**

3 Credits

**URBAN MANAGEMENT**

Learning Outcomes

At the end of the course, students are able to:

- (1) Identify strategic issues in urban management;
- (2) Examine policies, strategies and programmes in planning and management of the urban centre; and
- (3) Integrate the values and ethics of professional practice in addressing the issues and challenges of managing urban growth.

Synopsis of Course  
Contents

The course deals with issues and challenges confronting many countries in the planning and management of their urban centre, cities and the environment. It emphasises the need for inter-sectorial and interdisciplinary competence in the field of urban management. The issues addressed are related to problems of urban development including environmental degradation, uncontrolled urban growth, insecure land tenure, substandard housing conditions, unsustainable transportation, urban poverty, and inadequate decision making and local planning systems. Majority of these issues will be discussed within the context of sustainable development.

Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50 %

Medium of Instruction

English

**EQB7012**

3 Credits

**Learning Outcomes**

**SOCIAL POLICY AND DEVELOPMENT**

At the end of the course, students are able to:

- (1) Determine the role of social welfare and social services and discuss the role of the evolution of both social policies in the management of societies;
- (2) Appraise the inter-relationship between theoretical approaches to development of social policies in overcoming social problems ;and
- (3) Formulate social policy planning and development in relation to different social, economic and political contexts.

**Synopsis of Course Contents**

This course explores contributions that CSO can make to constructive social change. The course will cover: the concept of civil society and the roles that civil society actors have been playing in development and democratization initiatives; CSO relations with other organizations, such as governments, businesses and other CSOs; and the impacts of globalization on civil society and CSO roles in transnational governance.

**Assessment Weightage**

Continuous Assessment : 60%  
Final Examination : 40 %

**Medium of Instruction**

English

**EQB7013**

3 Credits

**PLANNING AND COMMUNITY DEVELOPMENT**

Learning Outcomes

At the end of the course, students are able to:

- (1) Identify issues and strategies in planning and community development;
- (2) Relate the concept of planning and community development to social, economic, and political forces that shape the environment; and
- (3) Translate the values and ethics of professional practice in decision making process.

Synopsis of Course Contents

This course is designed to meet the needs of students who wish to develop a broad based understanding of planning and community development. It will focus on the nature and purpose of planning and community development, the role of different stakeholders in the planning and community development process and the governance context within which different types of planning operate. The course will use interdisciplinary knowledge and techniques in addressing environmental and social issues of concern to the community. Within this context, it will explore issues facing planners and managers in delivering services and fulfilling community needs. These needs will be discussed within the framework of sustainable development agenda.

Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

Medium of Instruction

English



**EQB7014**

3 Credits

**POLITICAL COMMUNICATION AND THE MEDIA**

Learning Outcomes

At the end of the course, students are able to:

- (1) Explain the relationship between media and politics by using different models of media systems;
- (2) Make a critical analysis of the nature of relationship between media and politics and its impact on the political system and media; and
- (3) Provide students who are more responsive and responsible in handling any issue related to politics and the media.

Synopsis of Course Contents

This course offers an introduction to political communication, relationship between media and politics, its process and influence in legitimizing decisions is crucial to both domestic and international politics. Topics to be covered include the history of the mass media, recent trends in the news media, theories of attitude formation and change, the nature of news, the ways in which the news shapes the public's perceptions of the political world, campaign communication, how the media and public opinion affect the manner in which public officials govern, and the general role of the mass media in the democratic process.

Assessment Weightage

Continuous Assessment : 60%  
Final Examination : 40%

Medium of Instruction

English

**EQD7004**

4 Credits

**GLOBALIZATION AND DEVELOPMENT**

Learning Outcomes

At the end of this course, students are able to:

- (1) identify concepts of globalization and development
- (2) analyse development issues and problems, particularly in the context of globalization
- (3) propose policies for fostering development and meeting the challenges of globalization.

Synopsis of Course  
Contents

This course will survey, examine and analyze globalization and development. We will explore key dimensions of globalization – trade, finance, labour, and power – while constructing a systematic framework for understanding the changes taking place and their implications, especially for the improvement of socioeconomic conditions of middle- and low-income countries. We critically discuss the costs and benefits, advantages and drawbacks, potentials and pitfalls, opportunities and constraints, of trying to develop and compete in a globalizing world. Our approach will be interdisciplinary and oriented to real world situations, taking into account historical contexts and shifting balances of power. This course will also examine the scope and limitations of development policy when faced with globalizing forces, and consider alternatives to the dominant mode of globalization.

Assessment Weightage

Continuous Assessment : 60%  
Final Examination : 40%

Medium of Instruction

English

**EQA7006**

3 Credits

**ECONOMIC DEVELOPMENT AND PLANNING**

Learning Outcomes

At the end of this course, students are able to:

- (5) Explain the concepts and meaning of economic growth and economic development;
- (6) Analyse the major theories of economic development;
- (7) Compare the structure and characteristics of developing countries; and
- (8) Evaluate the main policy issues related to problems of economic development and planning in developing countries.

Synopsis of Course Contents

Principal topics of the course include the concept and meaning of economic growth and economic development, major theories of economic development, structure and characteristics of developing countries and main policy issues related to problems of economic development and planning in developing countries such as population growth and development, poverty and income distribution, agricultural development, industrialisation, balance of payment issues, the Asian Economic Miracle and the Asian financial crisis and remedies.

Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

Medium of Instruction

English

**PROPOSED STUDY PLAN  
MASTER OF PUBLIC ADMINISTRATION**

COMPONENT	SEMESTER 1		SEMESTER 2		SPECIAL SEMESTER		TOTAL CREDIT
	Subject	Credit	Subject	Credit	Subject	Credit	
<b>Core Course</b>	EQB7001 EQB7003 EQB7004	4 4 4	EQB7005 EQB7006 EQB7002 (P)	4 4 5	EQB7002 (P)	5	30
<b>Optional Course</b>	Choose any two (2) elective courses (6 credit)	6	Choose any two (2) elective courses (6 credit)	6			12
<b>Total Credit</b>		<b>18</b>		<b>19</b>		<b>5</b>	<b>42</b>

**TOTAL CREDIT: 42 CREDITS**

# MASTER OF APPLIED STATISTICS

## PROGRAMME GOAL AND LEARNING OUTCOMES

### **Programme Goal**

To produce graduates who have global outlook, innovative, critical thinking and possess analytical skills in producing quality research and publication.

### **Programme Learning Outcomes**

At the end of the programme, graduates are able to:

- (1) To collect, arrange and present statistical data.
- (2) To integrate the skill sets in data collection, analysis and interpretation.
- (3) To build, test and validate the models.
- (4) To practise ethical and professionalism in research and dissemination of information.
- (5) To practise cooperative learning in applying the statistical methods for data in various discipline and to present the data analysis effectively.
- (6) To interpret, use and evaluate various quantitative techniques in decision making and problem solving.
- (7) To synthesize the information from various sources in managing the real world problem and life long learning.

**STRUCTURE OF  
PROGRAMME OF STUDY**

Code	Course	Credit	Duration of Examination	Distribution of Marks %	
				Continuous Assessments	Final Examination
<b>CORE COURSES</b>					
EQC 7001	Quantitative Research Methods	4	3 hours	50	50
EQC 7002	Research Project	10	-	100	-
EQC 7003	Statistical Methods	4	3 hours	50	50
EQC 7004	Statistical Data Analysis	4	3 hours	50	50
EQC 7005	Applied Econometrics	4	3 hours	50	50

**And at least sixteen (16) credit hours of the following optional courses:**

**OPTIONAL COURSES**

EQC 7006	Time Series Analysis	4	3 hours	50	50
EQC 7007	Computer Information Systems	3	2 hours	50	50
EQC 7008	Experimental Design	3	2 hours	50	50
EQC 7009	Biostatistics	3	2 hours	50	50
EQC 7010	Actuarial Statistics	3	2 hours	50	50
EQC 7011	Applications of Demographic Techniques	3	2 hours	50	50
EQC 7012	Marketing Research Techniques	3	2 hours	60	40
EQC7013	Operations Research Methods	3	2 hours	50	50
EQC 7014	Applied Financial Econometrics	3	2 hours	50	50
EQC 7015	Readings in Applied Statistics	3	-	100	-
EQC 7016	Statistical Methods for Quality Management	3	2 hours	60	40
EQA7005	The Malaysian Economy	4	-	100	-
EQA7007	Applied Macroeconomics	3	2 hours	50	50
EQA7008	Money and Finance in Economic Development	3	2 hours	50	50

\*Optional courses offered in each semester may vary from semester to semester.

**MASTER OF APPLIED STATISTICS  
TIME TABLE**

**SEMESTER I, 2020/2021 SESSION**

DAY	TIME	COURSE CODE	COURSE NAME	EXAMINATION PERIOD	LECTURER	VENUE
Monday	6.15 – 9.15 pm	EQC7013	Operations Research Methods	2 hours	Dr. Ng Yin Mei	G2 & G3 Computer Lab
Tuesday	6.15 – 9.15 pm	EQC7014	Applied Financial Econometrics	2 hours	Professor Dr. Goh Kim Leng	G2 & G3 Computer Lab
		EQC7004	Statistical Data Analysis	2 hours	Dr. Rohana Jani	Postgraduate Computer Lab
Wednesday	6.15 – 9.15 pm	EQC7003	Statistical Methods	3 hours	Dr Adilah Abdul Ghapor	DK 4
		EQC7011	Applications of Demographic Techniques	2 hours	Dr. Lai Siow Li	G2 & G3 Computer Lab
Thursday	6.15 – 9.15 pm	EQC7005	Applied Econometrics	3 hours	Dr. Ahmad Farid Osman	G2 & G3 Computer Lab
		EQC7016	Statistical Methods for Quality Management	2 hours	Dr. Muzalwana Abd Talib	Postgraduate Computer Lab
Friday	6.15 – 9.15 pm	EQC7001	Quantitative Research Methods	3 hours	Dr. Tey Nai Peng	G2 & G3 Computer Lab
	6.00 – 9.00 pm	EQA7005	The Malaysian Economy	No Examination	Dr. Mohamed Aslam Gulam Hassan	DK4
Saturday	9.00 am – 12.00 pm	EQA7008	Money and Finance in Economic Development	2 hours	Assoc. Prof. Dr. Chan Sok Gee	DK4
<b>EQC7002 Research Project(10 credits) - No lecture</b>						



**SEMESTER II, 2020/2021 SESSION (TENTATIVE)**

DAY	TIME	COURSE CODE	COURSE NAME	EXAMINATION PERIOD	LECTURER	VENUE
Monday	6.15 - 9.15 pm	EQC7008	Experimental Design	2 hours	Dr. Ng Yin Mei	Utility Computer Lab
		EQC7004	Statistical Data Analysis	2 hours	Dr. Hannuun Eadiela Yaacob	
Tuesday	6.15 - 9.15 pm	EQC7005	Applied Econometrics	3 hours	Assoc. Prof. Dr. Lau Wee Yeap	G2 & G3 Computer Lab
		EQC7006	Time Series Analysis	3 hours	Dr. Ahmad Farid Osman	Postgraduate Computer Lab
Wednesday	6.15 - 9.15 pm	EQC7003	Statistical Methods	3 hours	Dr. Adilah Abdul Gapor	DK 4
		EQC7012	Marketing Research Techniques	2 hours	Dr. Muzalwana Abd Talib	Postgraduate Computer Lab
	6.00 - 9.00 pm	EQA7007	Applied Macroeconomics	2 hours	Assoc. Prof. Dr. Kwek Kian Teng	Utility Computer Lab
Thursday	6.15 - 9.15 pm	EQC7007	Computer Information Systems	2 hours	Dr. Diana Abdul Wahab	Postgraduate Computer Lab
Friday	6.15 - 9.15 pm	EQC7001	Quantitative Research Methods	2 hours	Dr. Tey Nai Peng	G2 & G3 Computer Lab
<b>EQC7002 Research Project (10 credits) - No lecture</b>						

**SPECIAL SEMESTER**

DAY	TIME	COURSE CODE	COURSE NAME	EXAMINATION PERIOD	LECTURER	VENUE
Tuesday	6.15 - 9.15 pm	EQC7009	Biostatistics	2 hours	Prof. Dr Noor Azina Ismail	Postgraduate Computer Lab

## COURSE INFORMATION

### **EQC7001**

4 Credits

#### Learning Outcomes

### **QUANTITATIVE RESEARCH METHODS**

At the end of the course, students are able to:

- (1) Demonstrate a sound understanding of the research process and research methodology;
- (2) Collect primary data using appropriate data collection and sampling methods;
- (3) Analyze primary and secondary data and draw conclusion; and
- (4) Demonstrate skills in effective writing and communication

#### Synopsis of Course Contents

This course covers major issues connected with the research process in various fields. The course is designed to equip students with a sound understanding of theory building and the research process, with emphasis on quantitative applications of research methods. Students will learn the techniques of sampling, data collection and analysis for report writing. The course will also train students on critical analysis of published research and equip them with communication skills.

#### Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

#### Medium of Instruction

English

**EQC7002**  
10 Credits

**RESEARCH PROJECT**

Learning Outcomes

At the end of the course, students are able to:

- (1) Identify a research question;
- (2) Integrate information from the relevant literature;
- (3) Design a research framework;
- (4) Analyze the information/data collected using statistical techniques and appropriate software;
- (5) Determine the significance and implications of research findings;
- (6) Adopt ethical practices in the conduct of research; and
- (7) Write a research report.

Synopsis of Course Contents

The course is designed to train students in conducting a research in statistics and writing a statistical research paper. Students are guided by at least one supervisor from the development of a research project to preparation of the report. The stages include identification of a research question, designing a study, literature review (analysis, synthesis and criticism of current research and theory), data collection, data analysis, analysis of the findings to answer the research questions, and drawing appropriate conclusions.

Assessment Weightage

Continuous Assessment :100%

Medium of Instruction

English

**EQC7003**  
4 Credits

## STATISTICAL METHODS

### Learning Outcomes

At the end of the course, students are able to:

- (1) Identify different probability distribution and inferential statistics;
- (2) Relate sampling distributions to estimation; and
- (3) Evaluate results of appropriate statistical techniques (parametric or non-parametric) in solving problems, in business, economics, finance and social science.

### Synopsis of Course Contents

The course begins with common distributions of random variables, and is followed by leading into the introduction of sampling distributions, the conceptual and quantitative tools in the topics of estimation and hypothesis testing as well as non-parametric methods. It deals with the fundamentals of statistics with emphasis on real-life applications in business, economics, finance, management, and social science.

### Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

### Medium of Instruction

English

**EQC7004**  
4 Credits

## **STATISTICAL DATA ANALYSIS**

### **Learning Outcomes**

At the end of the course, students are able to:

- (1) Analyse quantitatively the structure in a set of data;
- (2) Apply the appropriate statistical techniques given the aim of analysis in solving the related problems; and
- (3) Explain the results arising from the application of these techniques to data in various fields.

### **Synopsis of Course Contents**

This course exposes students to the analysis of univariate and multivariate data. Students learn to examine variation in data; assess the need for transformation; evaluate patterns; summarize the information; and apply various statistical techniques of analysis. Statistical software is used to teach the application of regression analysis, discriminant analysis, principal components analysis, factor analysis and cluster analysis to data from various fields.

### **Assessment Weightage**

Continuous Assessment : 50%  
Final Examination : 50%

### **Medium of Instruction**

English

**EQC7005**

4 Credits

**APPLIED ECONOMETRICS**

**Learning Outcomes**

At the end of the course, students are able to:

- (6) Apply regression analysis for quantifying economic relationships;
- (7) Construct models in a manner suitable for econometric testing;
- (8) Appraise the adequacy of regression models estimated using econometric software;
- (9) Draw valid conclusions from the results of estimation and hypothesis-testing;
- (10) Present the output of econometric analysis effectively.

**Synopsis of Course Contents**

The course is designed to equip students with econometric tools of analysis for research work. Computer software is used for the purposes of estimation, prediction and basic modelling. Single-equation models in the classical context are given emphasis. Diagnostic tests and problems of estimation (multicollinearity, heteroscedasticity and autocorrelation) are discussed. Extensions to single-equation models covered include qualitative choice models, dummy variables and autoregressive and distributed lag model. Introduction to simultaneous-equation models is given.

**Assessment Weightage**

Continuous Assessment : 50%  
Final Examination : 50%

**Medium of Instruction**

English

**EQC7006**

4 Credits

**TIME SERIES ANALYSIS**

**Learning Outcomes**

At the end of the course, students are able to:

- (5) Describe graphically and quantitatively the patterns in time series data;
- (6) Develop forecasting models that incorporate correlated error structures;
- (7) Compare the forecasting performance of the different models developed for a given set of data; and
- (8) Explain the results arising from the application of time series analysis in various fields.

**Synopsis of Course Contents**

This course exposes students to the study of time series data. It focuses on the use of statistical models (such as classical decomposition, exponential smoothing, least squares, ARIMA) for forecasting. Students learn to assess and select an appropriate model from among different possible models for a given set of data. The use of statistical software to analyse data ensures that the students learn the nuances of modelling correlated error structures.

**Assessment Weightage**

Continuous Assessment : 50%  
Final Examination : 50%

**Medium of Instruction**

English

**EQC7007**  
3 Credits

## COMPUTER INFORMATION SYSTEMS

### Learning Outcomes

At the end of the course, students are able to:

- (1) Describe developmental issues in computer hardware, software, and data resource management technologies;
- (2) Identify business problems and opportunities that can benefit from the application of information technology;
- (3) Demonstrate the use of programming language in solving business-related problems;
- (4) Analyse case studies using computer applications.

### Synopsis of Course Contents

The course covers the role of information systems in helping businesses compete using technology. A brief introduction to information technologies, computer hardware, computer software, and data resource management is provided. The role of information technology and computers in business and society are emphasized. At the end of the course, student is able to use computer-technology as a tool for productivity, communications, research, problem solving, and decision making in solving various business related issues.

### Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

### Medium of Instruction

English



**EQC7008**  
3 Credits

## EXPERIMENTAL DESIGN

### Learning Outcomes

At the end of the course, students are able to:

- (1) Apply the basic principles in designing experiments;
- (2) Implement an appropriate experimental design;
- (3) Conduct the experiment with ethical consideration; and
- (4) Perform the results of experiments for decision making.

### Synopsis of Course Contents

This course equips students with the necessary skills for designing various experiments and analyzing the results of such experiments. The topics covered include Principles of Experimental Design, Multiple Comparison Methods, Orthogonality, Two-factor Cross-Classification Designs, Nested Designs, Latin-Square, Two-level Factorial Designs, Confounding/Blocking, Fractional-Factorial Designs, Designs with Factors at Three Levels.

### Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

### Medium of Instruction

English

**EQC7009**  
3 Credits

## **BIOSTATISTICS**

### **Learning Outcomes**

At the end of this course, students are able to:

- (1) Apply techniques that are appropriate for analyzing categorical data;
- (2) Apply techniques that are appropriate for analyzing the time to the occurrence of an event;
- (3) Explain the results arising from the application of these techniques in medicine and social science.

### **Synopsis of Course Contents**

This course covers the applications of statistical methods to problems in medicine and social science. Topics covered include analysis of categorical data, logistic regression and survival analysis.

### **Assessment Weightage**

Continuous Assessment : 50%  
Final Examination : 50%

### **Medium of Instruction**

English

**EQC7010**  
3 Credits

## **ACTUARIAL STATISTICS**

### **Learning Outcomes**

At the end of this course, the students are able to:

- (1) Identify the fundamental of actuarial statistics with its standard notation;
- (2) Apply actuarial statistical techniques in solving relevance problems;
- (3) Evaluate findings in suggesting the best option for specific actuarial problems.

### **Synopsis of Course Contents**

This course exposes students to basic concepts of actuarial statistics and its application. The topics covered include fundamental of theory of interest and survival distributions. The application of these concept would be the main focus of the course.

### **Assessment Weightage**

Continuous Assessment : 50%  
Final Examination : 50%

### **Medium of Instruction**

English

**EQC7011**  
3 Credits

**APPLICATIONS OF DEMOGRAPHIC TECHNIQUES**

Learning Outcomes

At the end of the course, students are able to:

- (1) Explain the importance and basic concepts of demography;
- (2) Analyse demographic and population-related socioeconomic indicators;
- (3) Apply demographic techniques in different fields;
- (4) Explain the inter-relationships between population dynamics and socioeconomic and business development; and

Synopsis of Course Contents

The course is designed to introduce students to the importance of population studies, basic concepts of demography, sources of population data, demographic trends and structures of the world and Malaysia, factors affecting population changes and population policies and programs.

The course focuses on demographic techniques including computation and interpretation of various demographic measures, standardization and decomposition, Lexis diagram, life table application and population projections. The application of demographic data and techniques in various sectors, such as employment, education, housing, business, politics and planning for basic amenities will be illustrated.

Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

Medium of Instruction

English

**EQC7012**

3 Credits

Learning Outcomes

**MARKETING RESEARCH TECHNIQUES**

At the end of the course, students are able to:

- (1) Explain the importance of marketing research;
- (2) Apply the appropriate techniques to solve problems related to marketing
- (3) Evaluate the research results for decision making in marketing; and
- (4) Communicate the findings effectively.

Synopsis of Course Contents

This course is designed to provide students with an understanding of the role of marketing research in business organizations and to acquaint them with the methods used to generate knowledge about marketing products and services. This course covers primary data collection methods such as focus groups, surveys and experiments. Students will also learn both the associative (multiple regression and analysis of variance) and advanced associative statistical techniques (factor analysis and clustering methods; multidimensional scaling and conjoint analysis) from a practical perspective.

Assessment Weightage

Continuous Assessment : 60%  
Final Examination : 40%

Medium of Instruction

English

**EQC7013**  
3 Credits

## **OPERATIONS RESEARCH METHODS**

### **Learning Outcomes**

At the end of this course, the students are able to:

- (1) Explain various modeling techniques and problem structuring methods in operations research;
- (2) Utilize quantitative models in decision making and problem solving; and
- (3) Solve the quantitative models using computer software.

### **Synopsis of Course Contents**

Operations Research, also referred to as Management Science, is a practical and scientific approach to problem solving utilizing quantitative techniques. This course covers several analytical methods including linear programming, network analysis, project scheduling, decision analysis and waiting line analysis. These methods can be used to analyse complex problems and improve decision making processes in industry, business and the public sector.

### **Assessment Weightage**

Continuous Assessment : 50%  
Final Examination : 50%

### **Medium of Instruction**

English

**EQC7014**  
3 Credits

## **APPLIED FINANCIAL ECONOMETRICS**

### Learning Outcomes

At the end of the course, students are able to:

- (5) Analyse returns to financial assets and construct indices as measures of stock market performance;
- (6) Design financial models including time-varying volatility models using appropriate software;
- (7) Determine the adequacy of estimated econometric-time series models in the area of finance; and
- (8) Communicate the findings effectively.

### Synopsis of Course Contents

The course introduces the methods of construction of stock market indices, computation of returns with adjustment for capital changes and estimation of betas. Tests of market efficiency and estimation of selected financial models are discussed. The capital asset pricing model is applied for analyzing the ability of market timing and stock selectivity. Spurious regressions and stochastic processes are introduced. The importance of data stationarity and order of integration for financial data is explained. VAR modelling, impulse response function, variance decomposition, causality, cointegration and error correction mechanism are discussed in the context of financial models. Calendar anomalies and methods for modelling volatility in financial data, such as ARCH & GARCH, are discussed.

### Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

### Medium of Instruction

English

**EQC7015**  
3 Credits

## READINGS IN APPLIED STATISTICS

### Learning Outcomes

At the end of the course, students are able to:

- (1) Discuss the strong theoretical underpinnings in studying a statistical problem of interest;
- (2) Study the application of different statistical methods in solving a statistical problem of interest;
- (3) Synthesize the information from the relevant literature for examining a statistical problem of interest; and
- (4) Prepare the project paper in a timely manner.

### Synopsis of Course Contents

The main objective of this course is to explore the application of various statistical methods in data analysis through the evaluation of a number of articles. The course exposes students to efficient literature search. The focus is on a statistical problem of interest. Through the critical evaluation of journal articles and other works, the student will be able to gain a greater understanding about the various statistical methods used in the analysis of data. Students will be guided in searching for, identifying, summarizing and managing the necessary reading materials.

### Assessment Weightage

Continuous Assessment : 100%

### Medium of Instruction

English



**EQC7016**  
3 Credits

## STATISTICAL METHODS FOR QUALITY MANAGEMENT

### Learning Outcomes

At the end of this course, the students are able to:

- (1) Explain role of statistical methodology in quality management in field of social science;
- (2) Apply various statistical tools and techniques in describing quality characteristics;
- (3) Evaluate statistical results in solving quality related problem; and
- (4) Communicate findings effectively

### Synopsis of Course Contents

This course exposes students to basic concepts of quality and the roles of statistical methods in understanding and managing quality of processes and products. Statistical software is utilized in understanding process and product quality characteristics. The topics covered include Statistical Thinking in Quality Improvement, Statistical Process Control, Multivariate Methods for Quality Improvement, Principles of Six Sigma.

### Assessment Weightage

Continuous Assessment : 60%  
Final Examination : 40%

### Medium of Instruction

English

<b>EQA7005</b> 4 Credits	<b>THE MALAYSIAN ECONOMY</b>
Learning Outcomes	At the end of the course, students are able to:  (4) Analyse issues of the Malaysian economy; (5) examine challenges, policies and performance of the Malaysian economy; and (6) Debate on current issues of the Malaysian economy.
Synopsis of Course Contents	This course emphasises major issues relating to the Malaysian economy. Topics that will be covered include issues on economic growth, structural transformation & institutional change, issues in sectorial development, issues in macroeconomic management with respect to goals, policies & performance, an analysis of economic crises, business–government relations, privatization policies & role of GLCs, international trade & investment, development of financial system, markets & institutions, development of key factor markets, affirmative action as well as development issues such as human capital formation (education) and migration.
Assessment Weightage	Continuous Assessment : 100%
Medium of Instruction	English

**EQA7007**

3 Credits

**APPLIED MACROECONOMICS**

## Learning Outcomes

At the end of the course, students are able to:

- (4) Comparing macroeconomic thinking and fundamental evolution to policy making;
- (5) Analysing macro and financial instabilities in times of economic shocks;
- (6) Examine mainstream policy issues related to modern macroeconomic problems.

## Synopsis of Course Contents

This course aims to deepen the knowledge of macroeconomics in empirical analyses. First, the understanding of the application of economic theories and principles to real world situations with the desired aim of predicting potential outcomes is explored. The use of *applied macroeconomics* is analytically reviewed and macroeconomic instabilities are explored. Finally, policy issues related to modern macroeconomic problems are discussed.

## Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

## Medium of Instruction

English

**EQA7008**

3 Credits

**MONEY AND FINANCE IN ECONOMIC DEVELOPMENT**

**Learning Outcomes**

At the end of this course, the students are able to:

- (4) Analyse the role of money and finance in economic development;
- (5) Examine developments in the national and international financial systems; and
- (6) Relate real sector issues to the financial sector.

**Synopsis of Course Contents**

This course will examine issues mainly related to financial liberalization and its impact on banking and capital market operations; government budgetary finance and its macroeconomic implications; external debt and financial crises; the choice of an appropriate exchange rate regime; and international capital flows and challenges to emerging markets.

**Assessment Weightage**

Continuous Assessment : 50%  
Final Examination : 50%

**Medium of Instruction**

English

**PROPOSED STUDY PLAN  
MASTER OF APPLIED STATISTICS**

COMPONENT	SEMESTER 1		SEMESTER 2		SPECIAL SEMESTER		TOTAL CREDIT
	SUBJECT	CREDIT	SUBJECT	CREDIT	SUBJECT	CREDIT	
<b>Core Course</b>	EQC7001 EQC7003	4 4	EQC7004 EQC7005 EQC7002 (P)	4 4 5	EQC7002 (P)	5	26
<b>Optional Course</b>	Choose two (2) courses (6 credit)	6	Choose three (3) courses (10 credit)	10			16
<b>Total Credit</b>		<b>14</b>		<b>23</b>		<b>5</b>	<b>42</b>

**TOTAL CREDIT: 42 CREDITS**

**MASTER OF  
DEVELOPMENT STUDIES**

## PROGRAMME GOAL AND PROGRAMME LEARNING OUTCOMES

### **Programme Goal**

To be a leading programme of study that produces knowledgeable, confident, ethical and socially responsible professionals, with the ability to integrate knowledge in addressing issues, challenges and development perspectives in a global context.

### **Programme Learning Outcomes**

At the end of the programme, graduates are able to:

- (1) Mastering knowledge in the field of development studies, especially in terms of social issues, economy and environment.
- (2) Apply theories and practical skills in handling development issues.
- (3) Associating the ideas of community issues like socioeconomics issues, environmental and social responsibility in the assessment of the impact of development.
- (4) Conduct research with minimal supervision and obey towards ethical and professional values in handling the problem and challenges of development.
- (5) Work as a team, communicate effectively and show leadership skills among colleague and respective shareholder in handling development studies issues.
- (6) Produce solutions and analyse development problems using scientific approach and critical thinking.
- (7) Mastering knowledge for long life learning and information management in development studies issues.

## STRUCTURE OF PROGRAMME OF STUDY

Code	Course	Credit	Duration of Examination	Distribution of Marks	
				% Continuous Assessments	% Final Examination
<b>CORE COURSES</b>					
EQX7001	Philosophy and Methodology of Research	4	2 hours	70	30
EQD7002	Research Project	12	-	100	-
EQD7003	Development Theory and Practice	4	2 hours	60	40
EQD7004	Globalization and Development	4	2 hours	60	40

**And at least eighteen (18) credit of the following optional courses:**

### OPTIONAL COURSES

EQD7005	Poverty and Inequality	3	2 hours	70	30
EQD7006	Sustainable Development and Environmental Management	3	2 hours	70	30
EQD7007	Entrepreneurship and Development	3	2 hours	70	30
EQD7008	Institutions, Industrial Development and Economic Growth	3	2 hours	60	40
EQD7009	Economics of Education	3	2 hours	60	40
EQD7010	Gender and Development Issues	3	2 hours	60	40
EQA7005	The Malaysian Economy	4	-	100	-
EQA7006	Economic Development and Planning	3	2 hours	50	50
EQA7009	Public Economics	3	2 hours	50	50
EQA7011	Islamic Banking and Finance	3	2 hours	50	50
EQB7005	Public Policy Analysis	4	2 hours	55	45
EQB7012	Social Policy and Development	3	2 hours	60	40
EQB7013	Planning Community and Development	3	2 hours	50	50

\*Optional courses offered in each semester may vary from semester to semester.



**MASTER OF DEVELOPMENT STUDIES  
TIME TABLE**

**SEMESTER I, 2020/2021 SESSION**

DAY	TIME	COURSE CODE	COURSE NAME	EXAMINATION PERIOD	LECTURER	VENUE
Monday	6.00 – 9.00 pm	EQD7003	Development Theory and Practice	2 hours	Dr. Gopi Krishnan a/I K.K. Vijayaraghavan	BSP 0-3
Tuesday	6.00 – 9.00 pm	EQD7008	Institutions, Industrial Development and Economic Growth	2 hours	Assoc. Prof. Dr. VGR Chandran Govindaraju	BSP 0-3
		EQX7001	Philosophy and Methodology of Research	2 hours	Prof. Dr. M Niaz Asadullah	BSP 3-1
		EQA7006	Economic Development and Planning	2 hours	Prof. Dr. Asan Ali Golam Hassan@ Mohammad	BSP 0-2
		EQB7013	Planning Community and Development	2 hours	Assoc. Prof. Dr. Raja Noriza Raja Ariffin	BSP 1-1
Wednesday	6.00 – 9.00 pm	EQD7005	Poverty and Inequality	2 hours	Dr. Azmah Othman	BSP 0-3
		EQB7005	Public Policy Analysis	2 hours	Dr. Nur Hairani Abd Rahman	BSP 0-4
Thursday	6.00 – 9.00 pm	EQD7007	Entrepreneurship and Development	2 hours	Assoc. Prof. Dr. Baskaran Angathevar	BSP 1-2
Friday	6.00 – 9.00 pm	EQD7004	Globalization and Development	2 hours	Dr. Shankaran Nambiar	BSP 0-3
		EQA7005	The Malaysian Economy	No Examination	Dr. Mohamed Aslam Gulam Hassan	DK4
<b>EQD7002 Research Project (12 credits) No Lecture</b>						

**SEMESTER II, 2020/2021 SESSION (TENTATIVE)**

DAY	TIME	COURSE CODE	COURSE NAME	EXAMINATION PERIOD	LECTURER	VENUE
Monday	6.00 pm – 9.00 pm	EQX7001	Philosophy and Methodology of Research	2 hours	Assoc. Prof. Dr. Yong Chen Chen	BSP 3-1
Tuesday	6.00 – 9.00 pm	EQD7006	Sustainable Development and Environmental Management	2 hours	Assoc. Prof. Dr. Baskaran Angathevar	BSP 0-2
		EQB7012	Social Policy and Development	2 hours	Dr. Nur Hairani Abd Rahman	BSP 0-4
		EQA7011	Islamic Banking & Finance	2 hours	To be confirmed	BSP 0-3
Wednesday	6.00 – 9.00 pm	EQD 7010	Gender and Development	2 hours	Dr. Sharifah Muhairah Shahabudin	BSP 0-2
Thursday	6.00 – 9.00 pm	EQD7003	Development Theory and Practice	2 hours	Assoc. Prof. Dr. VGR Chandran Govindaraju	BSP 0-2
		EQA7009	Public Economics	2 hours	Dr. Mohamed Aslam Gulam Hassan	BSP 1-2
Friday	6.00 – 9.00 pm	EQD7004	Globalization and Development	2 hours	Will be identified	BSP 0-3
<b>* EQD7002 Research Project (12 credits)</b> <b>No Lecture</b>						

## COURSE INFORMATION

### **EQD7002**

12 Credits

### **RESEARCH PROJECT**

#### Learning Outcomes

At the end of the course, students are able to:

- (1) Integrate information from the relevant literature.
- (2) Analyze the information / data collected using statistical techniques and appropriate software.
- (3) Assess the significance and implication of research findings.

#### Synopsis of Course Contents

This course aims to train students to conduct research on development issues and policies, and to write a quality research paper or policy report. Students are guided by at least one supervisor from the conception of the project through to the preparation of the paper or report. The research stage encompasses research questions and literature review (analysis, synthesis and critical evaluations of empirical and theoretical works), data collection, data analysis and answering the research questions, and suitable conclusions.

#### Assessment Weightage

Continuous Assessment : 100%

#### Medium of Instruction

English

**EQD7003**

4 Credits

**DEVELOPMENT THEORY AND PRACTICE**

Learning Outcomes

At the end of the course, students are able to:

- (1) Re-evaluate the development theories that have been raised by expertise;
- (2) Analyze current development issues and problems;
- (3) Compare the development experiences of other countries through case study; and
- (4) Debate the strategies to solve development-related problems.

Synopsis of Course Contents

This course will start with a review of development concepts, definitions and theories. Following this is an analysis of development models, processes and mechanisms. There will be a review of the paradigm shifts in the field of development studies. Finally there is a discussion on the development challenges and needs for new approaches in the context of globalization and changing roles of the government, private and non-government agencies.

Assessment Weightage

Continuous Assessment : 60%  
Final Examination : 40%

Medium of Instruction

English

**EQD7004**

4 Credits

**GLOBALIZATION AND DEVELOPMENT**

Learning Outcomes

At the end of this course, students are able to:

- (4) identify concepts of globalization and development
- (5) analyse development issues and problems, particularly in the context of globalization
- (6) propose policies for fostering development and meeting the challenges of globalization.

Synopsis of Course Contents

This course will survey, examine and analyze globalization and development. We will explore key dimensions of globalization – trade, finance, labour, and power – while constructing a systematic framework for understanding the changes taking place and their implications, especially for the improvement of socioeconomic conditions of middle- and low-income countries. We critically discuss the costs and benefits, advantages and drawbacks, potentials and pitfalls, opportunities and constraints, of trying to develop and compete in a globalizing world. Our approach will be interdisciplinary and oriented to real world situations, taking into account historical contexts and shifting balances of power. This course will also examine the scope and limitations of development policy when faced with globalizing forces, and consider alternatives to the dominant mode of globalization.

Assessment Weightage

Continuous Assessment : 60%  
Final Examination : 40%

Medium of Instruction

English

**EQD7005**  
3 Credits

## **POVERTY AND INEQUALITY**

Learning Outcomes

At the end of this course, students are able to:

- (4) identify concepts of poverty and inequality
- (5) analyse problems and issues related to poverty and inequality, particularly for developing countries
- (6) propose policies for alleviating poverty, reducing inequality and fostering more inclusive development.

Synopsis of Course Contents

This course will cover the concepts, policies and socioeconomic outcomes related to poverty and distribution, particularly in developing economies. We will critically consider established and current works studying the meanings and causes of deprivation and disparity, trends and patterns of poverty and inequality, and policy options for solving these fundamental problems. Our approach will be inter-disciplinary and oriented to real world situations.

Assessment Weightage

Continuous Assessment : 70%  
Final Examination : 30%

Medium of Instruction

English

**EQD7006**

3 Credits

## Learning Outcomes

**SUSTAINABLE DEVELOPMENT AND ENVIRONMENTAL MANAGEMENT**

At the end of this course, students are able to:

- (1) Explain the relationship between sustainable development and the environment.
- (2) Assess how sustainable development and environmental management is affected by economic, social and political Institutions.
- (3) Compare the cost benefit impact of environment in the environment policy assessment.
- (4) Suggest solution to environmental management policies and programmes.

## Synopsis of Course Contents

The course begins with an overview of global issues of the interaction between sustainable development and economics, social and the environment. It will focus on the principles and practices of economic development as viewed from the perspective of sustainability. In this context, the interdependence between development and environmental management and conservation will be explored. It will then proceed to examine the common underlying causes of environmental degradation, including market and policy failures. Understanding of various environmental issues will lay the foundation for understanding the policy approach to environmental management and conservation. Efficient and cost-effective controls for a variety of pollutants will then be defined and compared with those achieved by the market forces. Various policy instruments to be discussed include emission standards, emission charges and transferable emission permits. The traditional “command-and-control” approach to pollution control will also be highlighted. The final section is devoted to discussions on the Cost-Benefit Analysis (CBA) and Environmental Impact Assessment (EIA) as choice of instruments for evaluating environmental policies.

## Assessment Weightage

Continuous Assessment : 70%  
Final Examination : 30%

## Medium of Instruction

English

**EQD7007**

3 Credits

**ENTREPRENEURSHIP AND DEVELOPMENT**

Learning Outcomes

At the end of this course, students are able to:

- (1) Analyse the relationship between entrepreneurship and economic development
- (2) Interpret key entrepreneurial variables that promote economic growth
- (3) Analyse cash flow forecasting, budgeting, break-even analysis, and cost, volume & profit (CVP);
- (4) Evaluate the types and importance of government support policy for entrepreneurial development.

Synopsis of Course Contents

This course focuses on the role of entrepreneurship as an agent of economic development. The topics include economics of entrepreneurship, entrepreneurial creativity and innovation, entrepreneurial models, social entrepreneurship, women entrepreneurs, and public policy support for entrepreneurial development. The course also emphasises on various financial tools an entrepreneur needs in real life including business plan, financial management tools such as cash flow forecasting, financing a new venture, and budgeting.

Assessment Weightage

Continuous Assessment : 70%  
Final Examination : 30%

Medium of Instruction

English



**EQD7008**

3 Credits

**INSTITUTIONS, INDUSTRIAL DEVELOPMENT AND ECONOMIC GROWTH**

Learning Outcomes

At the end of this course, students are able to:

- (5) Explain the concept of institutions, industrial development and the growth theories
- (6) Identify how institutions explain industrial development and growth
- (7) Compare the issues of institutional, industrial development and growth in different countries
- (8) Interpret relevant case studies in understanding the complex relationship between institution, industrial development and economic growth

Synopsis of Course Contents

This course is designed to expose students to the concepts of institution, industrial development and economic growth. The emphasis is on the role of institutional and industrial development on economic growth. The course will expose students to the complex relationship between the institutions, industrial development and economic growth by means of a combination of various relevant literatures that resides within the domain of institutional economics, industrial policy and growth theories.

Assessment Weightage

Continuous Assessment : 60%  
Final Examination : 40%

Medium of Instruction

English

**EQD7009**

3 Credits

**ECONOMICS OF EDUCATION**

## Learning Outcomes

At the end of the course, students are able to:

- (1) Review major theories of education as human and social capital;
- (2) Compare developing world experiences in economics educational development
- (3) Formulate policies and strategies to solve economics of education-related problems.

## Synopsis of Course Contents

This course will provide an introduction to the various ways in which education can promote economic growth and well-being in developing countries. The emphasis will be on the economic pathways and values of education though broader political and social significance of schooling will be also discussed. The course will provide an opportunity to revisit many familiar development problems as well as policy dilemmas (including bi-directional relationships). For instance, we'll discuss how educational expansion can promote democracy, aid economic growth and help build social capital. At the same time, we will highlight instances when public investment in education is not a panacea and may create no human capital. We will do so by elaborating on the manifold demand and supply-side challenges that arise when pursuing an education-focused development strategy. This will include review of specific education policies and systems of transition economies (such as India and China) and economic analysis of educational interventions. It is therefore expected that the course will also provide a balanced overview of the theoretical and practical aspects of implementing policies to achieve specific economic and social objectives through educational investment.

## Assessment Weightage

Continuous Assessment : 60%  
Final Examination : 40%

## Medium of Instruction

English

**EQD7010**

3 Credits

Learning Outcomes

**GENDER AND DEVELOPMENT ISSUES**

At the end of the course, students are able to:

- (1) Review theoretical and conceptual issues in gender and development;
- (2) Compare developing world experiences in gender development; and
- (3) Critically analyse development policies and interventions policies on issues of gender equity and gender-aware planning.

Synopsis of Course Contents

This course is designed to familiarise students with the main analytic debates in the field of gender and development. The issues on closing the gender gap in labour force, state-civil society relations and women's movements and state and governance are key concepts of development that will be addressed in the course. Key policy and conceptual debates will also be examined in conjunction with how development policies and interventions construct gender and how they impact different gender differently. Through various methods of learning in class, students will be given the knowledge to evaluate the current situation and think of ways to improve the situation by integrating the needs of women and men in all aspect of development to achieve economic, political, and social well-being of the people.

Assessment Weightage

Continuous Assessment : 60%  
Final Examination : 40%

Medium of Instruction

English

**EQX7001**

4 Credits

**PHILOSOPHY AND METHODOLOGY OF RESEARCH**

Learning Outcomes

At the end of this course, students are able to:

- (5) Examine the logic of scientific discovery and what constitutes novelty in research.
- (6) Compare the usage of inductive and deductive research.
- (7) Apply the different types of research methodologies.
- (8) Formulate a research proposal.

Synopsis of Course Contents

Using examples from past research and methodologies, this course seeks to examine in its entirety the philosophy and methodology of research so as to help equip students with a better understanding of how to undertake research, analyse data, and write scholarly and policy papers. Following a sequential exposition of the philosophical underpinnings of research and methodology, and the procedures of data collection, estimation and interpretation, the course introduces all the main current methodologies as well as qualitative and quantitative tools of data analysis. Lectures will be supplemented with a critical examination of the methodological frameworks used in selected leading publications.

Assessment Weightage

Continuous Assessment: 70%  
Final Examination: 30%

Medium of Instruction

English

**EQA7005**

4 Credits

**THE MALAYSIAN ECONOMY**

Learning Outcomes

At the end of the course, students are able to:

- (7) Analyse issues of the Malaysian economy;
- (8) examine challenges, policies and performance of the Malaysian economy; and
- (9) Debate on current issues of the Malaysian economy.

Synopsis of Course Contents

This course emphasises major issues relating to the Malaysian economy. Topics that will be covered include issues on economic growth, structural transformation & institutional change, issues in sectorial development, issues in macroeconomic management with respect to goals, policies & performance, an analysis of economic crises, business–government relations, privatization policies & role of GLCs, international trade & investment, development of financial system, markets & institutions, development of key factor markets, affirmative action as well as development issues such as human capital formation (education) and migration.

Assessment Weightage

Continuous Assessment : 100%

Medium of Instruction

English

**EQA7006**

3 Credits

**ECONOMIC DEVELOPMENT AND PLANNING**

Learning Outcomes

At the end of this course, students are able to:

- (9) Explain the concepts and meaning of economic growth and economic development;
- (10) Analyse the major theories of economic development;
- (11) Compare the structure and characteristics of developing countries; and
- (12) Evaluate the main policy issues related to problems of economic development and planning in developing countries.

Synopsis of Course Contents

Principal topics of the course include the concept and meaning of economic growth and economic development, major theories of economic development, structure and characteristics of developing countries and main policy issues related to problems of economic development and planning in developing countries such as population growth and development, poverty and income distribution, agricultural development, industrialisation, balance of payment issues, the Asian Economic Miracle and the Asian financial crisis and remedies.

Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

Medium of Instruction

English

**EQA7009**

3 Credits

**PUBLIC ECONOMICS**

Learning Outcomes

At the end of the course, students are able to:

- (4) Relate the major themes in public economics, primarily theoretical arguments with empirical illustrations on contemporary issues;
- (5) Analyse the theoretical foundations, substantive issues and empirical perspectives in public economics, especially for the developing countries;
- (6) Investigate the effects of alternative policies and the determination of the optimal policy, the specific problems of development finance, as well as how the State intervenes to affect these choices, under different governmental systems.

Synopsis of Course Contents

The course covers the theoretical arguments and substantive issues, illustrated with empirical data, concerning policy problems involving the use of tax and expenditure measures. While looking at the vast array of fiscal institutions - tax systems, expenditure programmes, budget procedures, stabilization instruments, debt issues - the way fiscal functions are divided among levels of government is also focused upon. This leads to a discussion of fiscal federalism, including the pattern of federal support, the position of state finances, the emergence of regional problems, the system of intergovernmental grants, the assignment of taxing powers and borrowing powers, the problems of fiscal imbalance, interjurisdictional spillovers and other related issues such as the distributive justice problem and the public choice option.

Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

Medium of Instruction

English

**EQA7011**

3 Credits

## Learning Outcomes

**ISLAMIC BANKING AND FINANCE**

At the end of the course, students are able to:

- (4) Apply the underlying concepts and principles of Islamic banking and finance;
- (5) Analyze differences between the Islamic and the conventional financial systems; and
- (6) Argue issues and policies pertaining to the development of Islamic banking and finance in theory and practice.

Synopsis of Course  
Contents

This course gives an overview of the Islamic financial system which comprises the Islamic financial institutions and financial markets. The course starts with a discussion of the fundamentals of Islamic banking and finance; the rationale, underlying concepts and principles. It will then examine issues pertaining to the development of Islamic financial institutions and financial markets. Course topics include the prohibition of *riba*, Islamic contracts of exchange, Islamic banking in theory and practice, Islamic insurance (*ta'aruf*), Islamic money market, Islamic equity market, Islamic derivatives (*sukuk*) and regulatory issues.

## Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

## Medium of Instruction

English



**EQB7005**

4 Credits

**PUBLIC POLICY ANALYSIS**

Learning Outcomes

At the end of the course, students will be able to:

- (4) Apply the theories involving the developmental state and neoliberalism;
- (5) Identify governance and policy planning methods and implementation of key policies in East Asia and Malaysia; and
- (6) Apply theories different governance forms and developmental policies in East Asia.

Synopsis of Course Contents

This course is concerned with the structure of governance and its impact on development, with a focus on how policies evolve and are implemented. It is organized in three parts: first, an introduction to relevant theories of the state and a comparison of developmental models. Second, an analysis of policy planning and implementation in East Asia and Malaysia, with a focus on the latter. Third, case studies of major policies and assessment of their impact on socio-economic development.

Assessment Weightage

Continuous Assessment : 55%  
Final Examination : 45 %

Medium of Instruction

English

**EQB7012**

3 Credits

**SOCIAL POLICY AND DEVELOPMENT**

Learning Outcomes

At the end of the course, students are able to:

- (4) Determine the role of social welfare and social services and discuss the role of the evolution of both social policies in the management of societies;
- (5) Appraise the inter-relationship between theoretical approaches to development of social policies in overcoming social problems ;and
- (6) Formulate social policy planning and development in relation to different social, economic and political contexts.

Synopsis of Course  
Contents

This course explores contributions that CSO can make to constructive social change. The course will cover: the concept of civil society and the roles that civil society actors have been playing in development and democratization initiatives; CSO relations with other organizations, such as governments, businesses and other CSOs; and the impacts of globalization on civil society and CSO roles in transnational governance.

Assessment Weightage

Continuous Assessment : 60%  
Final Examination : 40 %

Medium of Instruction

English

**EQB7013**

3 Credits

**PLANNING AND COMMUNITY DEVELOPMENT**

Learning Outcomes

At the end of the course, students are able to:

- (4) Identify issues and strategies in planning and community development;
- (5) Relate the concept of planning and community development to social, economic, and political forces that shape the environment; and
- (6) Translate the values and ethics of professional practice in decision making process.

Synopsis of Course  
Contents

This course is designed to meet the needs of students who wish to develop a broad based understanding of planning and community development. It will focus on the nature and purpose of planning and community development, the role of different stakeholders in the planning and community development process and the governance context within which different types of planning operate. The course will use interdisciplinary knowledge and techniques in addressing environmental and social issues of concern to the community. Within this context, it will explore issues facing planners and managers in delivering services and fulfilling community needs. These needs will be discussed within the framework of sustainable development agenda.

Assessment Weightage

Continuous Assessment : 50%  
Final Examination : 50%

Medium of Instruction

English

**PROPOSED STUDY PLAN  
MASTER OF DEVELOPMENT STUDIES**

COMPONENT	SEMESTER 1		SEMESTER 2		SPECIAL SEMESTER		TOTAL CREDIT
	SUBJECT	CREDIT	SUBJECT	CREDIT	SUBJECT	CREDIT	
<b>Core Course</b>	EQX7001 EQD7003	4 4	EQD7004 EQD7002 (P)	4 6	EQD7002 (P)	6	24
<b>Optional Course</b>	Choose three (3) courses (9 credit)	9	Choose three (3) courses (9 credit)	9			18
<b>Total Credit</b>		<b>17</b>		<b>19</b>		<b>6</b>	<b>42</b>

**TOTAL CREDIT: 42 CREDITS**

## STEP FOR REGISTRATION FOR RESEARCH PROJECT EQA7002/EQB7002/EQC7002/EQD7002

FIRST STEP

Register 5/6 credit Research Project (P1) at [maya.um.edu.my](http://maya.um.edu.my) and make the **CONFIRMATION** of the courses in the add and drop week (first and second week)

1

Submission of Pink Form (Approval for the Field of Research and Supervisor)

- Prepare the Research Proposal
- Get the approval from potential Supervisor
- Submit to the Postgraduate Unit, FEA before the dateline

2

Student can start the Research Project once the approval is obtained from Faculty

3

Board of Examiner - Grade P1

SECOND STEP

Register 5/6 credit Research Project (P2) at and make the **CONFIRMATION** of the courses in the add and drop week

1

Submission of Blue Form (Approval for Title and Appointment of Internal Examiner)

- Get the approval form the Supervisor
- Submit to the Postgraduate Unit, FEA before the dateline

2

Submission of Yellow Form (Submission Research Project for Examination)

- Get the approval from the Supervisor before submission. Your supervisor must sign the form
- Submit the Research Project to the Postgraduate Unit, FEA before the dateline

3

Examination Procces

4

Submission of Green Form (Correction and Final Submission for Research Project)

- Get the approval from the Supervisor
- Submission of final Research Project to the Postgraduate Unit, FEA before the dateline

5

Board of Examiner - Actual Grade

**IMPORTANT DATES FOR RESEARCH PROJECT  
(EQA7002/EQB7002/EQC7002/EQD7002)  
INTAKE SEMESTER I, 2020/2021 SESSION**

<b>Semester II, 2020/2021</b>		
<b>NO.</b>	<b>DETAILS</b>	<b>DATELINE</b>
1.	Registered 5/6 credit Research Project (P1) at maya.um.edu.my and make the <b><u>CONFIRMATION</u></b> of the courses in the add and drop week	<b>Week 1</b>
2.	Submission for Approval of Field of Research and Appointment of Supervisor (Pink Form) (P1)	<b>Week 1</b>

**AND**

<b>Semester III, 2020/2021 (OPTIONAL)</b>		
<b>NO.</b>	<b>DETAILS</b>	<b>DATELINE</b>
1.	Registered 5/6 credit Research Project (P2) at maya.um.edu.my and make the <b><u>CONFIRMATION</u></b> of the courses in the add and drop week	<b>Week 1</b>
2.	*Submission for Approval of Title (Blue Form) (P2)	<b>Week 1</b>
3.	*Final Submission of Research Project for Examination (P2)	<b>Week 7</b>

*Note: Candidate can choose to register P2 in Semester III, 2020/2021 or Semester I, 2021/2022*

**OR**

<b>Semester I, 2021/2022</b>		
<b>NO.</b>	<b>DETAILS</b>	<b>DATELINE</b>
1.	Registered 5/6 credit Research Project (P2) at maya.um.edu.my and make the <b><u>CONFIRMATION</u></b> of the courses in the add and drop week	<b>Week 1</b>
2.	*Submission for Approval of Title (Blue Form) (P2)	<b>Week 1</b>
3.	*Final Submission of Research Project for Examination (P2)	<b>Week 13</b>

\*Only students who have registered/completed 10/12 credit of Research Project are allowed to submit the report in the current semester.

## MASTER OF RESEARCH IN ECONOMICS

The programme is by research and the students are required to submit a dissertation of not exceeding 60,000 words.

Students are also required to take courses prescribed by the Faculty as follows:

EQX7001 – Philosophy and Methodology of Research

EQA7003 – Advanced Microeconomics

EQA7004 – Advanced Macroeconomics

EQC7005 – Applied Econometrics

And any other course (if necessary)

Kindly refer to page 16 and 18 for the time table and course information.

## MASTER OF RESEARCH IN PUBLIC ADMINISTRATION

The programme is by research and the students are required to submit a dissertation of not exceeding 60,000 words.

Students are also required to take courses prescribed by the Faculty as follows:

EQB7001 – Research Methodology in Public Administration

EQB7003 – Public Administration and Politics

EQB7005 – Public Policy Analysis

And any other course (if necessary)

Kindly refer to page 42 and 44 for the time table and course information.

**DOCTOR  
OF  
PHILOSOPHY**



## PROGRAMME GOAL, PROGRAMME EDUCATIONAL OBJECTIVES AND PROGRAMME LEARNING OUTCOMES

### **Programme Goal**

To produce scholars who can lead the development and dissemination of knowledge as a leader in research, teaching and services for the society.

### **Programme Educational Objectives**

- (1) Advancing innovation in research and work practice.
- (2) Lead research as a specialist and/or practicing practitioners at the national and/or international levels.
- (3) Spread the research outcome and give expert advice ethically and professionally.

### **Programme Learning Outcomes**

- (1) Synthesis and contribute knowledge in the field of research respectively.
- (2) Adapting practical skills and appropriate research methods towards innovative research.
- (3) Disseminate benefits and implications of research in national and international contexts.
- (4) Conduct research independently and adhere to legal, ethical and professional practice conduct.
- (5) Demonstrate quality leadership through effective communication and collaboration among researchers and stakeholders.
- (6) Overcome the research issues using critical thinking skills, problem solving and/or appropriate scientific skills.
- (7) Integrate information for lifelong learning.

## RESEARCH AREA

### 1. ECONOMICS

Comparative Economic Systems, Development Economics, Economic Modeling, Economics of Network Industries, Economics Policy Analysis, Environmental Economics, Financial Economics, Financial Markets and Institutions, Fiscal Federalism and Intergovernmental Relations, Industrial Organization, International Finance, International Trade, International Economics, Labour Economics Macroeconomics, Microeconomics, Monetary Economics, Money and Banking, Public Economics and Trade and Growth.

### 2. DEVELOPMENT STUDIES

Industrial Development, Innovation and Development, Institutions and Development, Economic Development, Education Economics, Gender and Development, Social Enterprise, Globalization and Development, Cooperatives Social Development, Financial System and Development, Development Issues, Health and Development, International Development, Science & Technology Policy and Development, Politics and Development, Sustainable Development, Entrepreneurship and Development, Environmental Management.

### 3. PUBLIC ADMINISTRATION AND POLITICS

Ethnic Relations, Financial Administration in Developing Countries, Human Resource Management, International Relations, Local Government, Malaysian Politics, Policy Analysis and Programme Evaluation, Politics, Development and Governance, Privatization, Public Administration, Public Policies, Quality Management, Social Policy and Management and Urban Management

### 4. APPLIED STATISTICS

Actuarial Statistics, Biostatistics, Demography, Econometrics, Experimental Design, Financial Econometrics, Operation Research, Statistical Data Analysis, Survey and Sampling and Time Series Analysis.

## DOCTOR OF PHILOSOPHY TIME TABLE

### SEMESTER I, 2020/2021 SESSION

DAY	TIME	COURSE CODE	COURSE NAME	LECTURER	VENUE
Wednesday	6.00 – 9.00 pm	EVX8001	<i>Research Methodology</i>	Distinguished Prof. Dato' Dr. Rajah Rasiah	BSP 1-2
-	-	EVX8002	<i>Reading Course</i>	Appointed Supervisor	-
-	-	EVX8004	<i>Selected Topics in Economics</i>	Appointed Supervisor	-
-	-	EVX8005	<i>Theories and Issues of Development</i>	Appointed Supervisor	-
-	-	EVX8007	<i>Special Topics in Statistics</i>	Appointed Supervisor	-

### SEMESTER II, 2020/2021 SESSION (TENTATIVE)

DAY	TIME	COURSE CODE	COURSE NAME	LECTURER	VENUE
Wednesday	6.00 – 9.00 pm	EVX8001	<i>Research Methodology</i>	Distinguished Prof. Dato' Dr. Rajah Rasiah	BSP 1-2
-	-	EVX8002	<i>Reading Course</i>	Appointed Supervisor	-
Thursday	6.00 – 9.00 pm	EVX8003	<i>PhD Workshop Series</i>	Assoc. Prof. Dr. Lau Wee Yeap	Utility Computer Lab
-	-	EVX8004	<i>Selected Topics in Economics</i>	Appointed Supervisor	-
-	-	EVX8005	<i>Theories and Issues of Development</i>	Appointed Supervisor	-
Tuesday	6.00 – 9.00 pm	EVX8006	<i>Public Administration and Politics</i>	Coordinator: Prof. Dr. Edmund Terence Gomez	BSP 1-5
-	-	EVX8007	<i>Special Topics in Statistics</i>	Appointed Supervisor	-

**COURSE INFORMATION**

<b>EVX8001</b> 3 Credits	<b>RESEARCH METHODOLOGY</b>
Learning Outcomes	At the end of the course, students are able to: <ul style="list-style-type: none"> <li>(1) Identify the nature and process of academic research.</li> <li>(2) Compare the advantages of the major research paradigms;</li> <li>(3) Determine the paradigm appropriate to research;</li> <li>(4) Evaluate the benefits of the research paradigm they use while taking steps to minimize its limitations;</li> <li>(5) Defend various methods used in each stage of the entire research process.</li> </ul>
Synopsis of Course Contents	Beginning with a review of the nature of academic research, the course details the major research paradigms (quantitative, qualitative, mixed) and provides an overview of the entire research process. Research design as well as each stage of research process is then discussed together with the paradigm applicable. The merits and drawbacks of each paradigm are made explicit. Concrete examples illustrate the discussions. The course concludes with academic writing for theses and research papers.
Assessment Weightage	Continuous Assessment : 100%
Medium of Instruction	English

**EVX8002**

3 Credits

**READING COURSE**

**Learning Outcomes**

At the end of the course, students are able to:

- (1) Define the scope of the reading topic;
- (2) Identify the research issues and relevant literature, including theoretical and empirical studies;
- (3) Evaluate past studies critically;
- (4) Synthesize the information in the literature; and
- (5) Relate the research issues to the literature.

**Synopsis of Course Contents**

This course aims at developing the familiarity of the student with the field of research for the thesis. The student is guided by his/her thesis supervisor throughout the course through regular meetings between the supervisor and the student. The reading topic should be related to the area of research of the thesis. The student is required to produce a long essay (assignment of 5,000 to 8,000 words) at the end of the course.

The student is guided to define the scope of the reading topic, and to conduct efficient literature search, covering empirical research, and theoretical as well as conceptual work. Research issues are identified, and the student learns to evaluate critically the literature that embodies these issues. In the evaluation, the student is expected to define the scope and objectives of a literature review, discuss the strengths and weaknesses of the reading materials, identify the relations, contradictions and research gaps in the literature, as well as describe the new developments at the frontiers of research. The student is also guided in synthesizing and summarizing ideas and debates in the literature, managing the information and structuring the review appropriately to avoid plagiarism.

**Assessment Weightage**

Continuous Assessment : 100%

**Medium of Instruction**

English

<b>EVX8003</b> 3 credits	<b>PHD WORKSHOP SERIES</b>
Learning Outcomes	At the end of this course, the students are able to:  (1) Adhere to research conduct without plagiarism; (2) Apply techniques of conducting a literature review; (3) Manage information for research; and (4) Write a research proposal.
Synopsis of Course Contents	This course aims at developing the skills of the students in designing their research for the thesis. The students are guided through a series of workshops that emphasize hands-on applications. The workshops provide a forum for students to learn about expectations of a PhD thesis, using resources for research, applying for research funding, format for thesis writing, structuring a research design, and managing their research and supervisors. The students would also acquire skills on how to avoid plagiarism, techniques to write a literature review critically, and preparing an effective research proposal.
Assessment Weightage	Continuous Assessment : 100%
Medium of Instruction	English

**EVX8004**

3 Credits

**SELECTED TOPICS IN ECONOMICS**

Learning Outcomes

At the end of the course, students are able to:

- (1) Identify theories and analytical models pertinent to their interest;
- (2) Appraise the development and evolution of theories in the topic of interest;
- (3) Analyse critically major theories and analytical models specific to their research;
- (4) Debate critically the different methodological strategies used in solving their research issues;
- (5) Propose a solid theoretical framework specific to their research.

Synopsis of Course Contents

This course examines key readings in the related literature and provides students with an overview of key concepts, major theories and analytic models that are important to the area of their research. The aim of the course is to equip students with in depth understanding of available models and theories in their specific field of research and the ability to interpret and critically analyze those models. With those knowledge, students are expected to be able to formulate a solid theoretical framework specifically for their own research. The study is required to produce a long essay (assignment of 5,000 to 8,000 words) at the end of the course.

Assessment Weightage

Continuous Assessment : 100%

Medium of Instruction

English

**EVX8005**

3 Credits

**THEORIES AND ISSUES OF DEVELOPMENT**

## Learning Outcomes

At the end of the course, students are able to:

- (1) Apply development theories to inform research framework;
- (2) Critically analyse development policy and issues;
- (3) Evaluate the role and functions of development institutions;
- (4) Assess the impact of international development on local economies.

Synopsis of Course  
Contents

This course aims to develop familiarity among students on theories related to development. It focusses on a wide variety of issues, opportunities, threats and challenges which are pertinent to understanding the real situation of development in a particular country and relating the relevant theories of development or their thesis writing. These theories will guide the framing of their research framework. It includes relating development theories and issues, institutions and development, sustainable development, and international developments and local economies. The student is required to produce a long essay (assignment of 5,000 to 8,000 words) at the end of the course.

## Assessment Weightage

Continuous Assessment : 100%

## Medium of Instruction

English



**EVX8006**  
3 Credits

**PUBLIC ADMINISTRATION AND POLITICS**

Learning Outcomes

At the end of the course, students are able to:

- (1) Discuss on issues and theories related to administration and politics;
- (2) Analyze the various perspectives of the relevant theories studied in the course; and
- (3) Apply the relevant theories in research.

Synopsis of Course Contents

This course will provide exposure to administrative and political theories. It also incorporates concepts and ideas that are useful in research works in the areas of administration and politics. Topics that are covered include issues in public administration and government, comparative political and government systems, planning and development theories, state and local government, and public policy.

Assessment Weightage

Continuous Assessment : 100%

Medium of Instruction

English

**EXV8007**

3 Credits

**SPECIAL TOPICS IN STATISTICS**

## Learning Outcomes

At the end of the course, students are able to:

- (1) Interpret the statistical problem of interest that achieves a specific objective in the analysis of data;
- (2) Determine statistical methodologies that address the statistical problem of interest;
- (3) Evaluate the developments in the theoretical and empirical literature regarding the selected methodologies;
- (4) Investigate empirically the application of these methodologies; and
- (5) Evaluate critically the findings in the light of the specific objective to be achieved.

## Synopsis of Course Contents

This course covers special topics in statistics required by the student in his/her research. Typically these topics will be from Industrial Statistics, Econometrics, Biostatistics or Social Statistics. The main objective of the course is to develop expertise in the statistical methodologies required to address a specific objective in the analysis of data. The student learns to define the related statistical problem of interest, identify and assess various methodologies in the literature that address this problem and then select the one best suited for his or her research needs. For this method (or these methods), the student investigates the theoretical and empirical developments as well as its (their) application to a data set with given characteristics. Finally, through the critical evaluation of findings, the student is able to determine the appropriate statistical methodology to address a specific objective in the analysis of data. The student is required to do a presentation and submit an essay (5,000 to 8,000 words) at the end of the course.

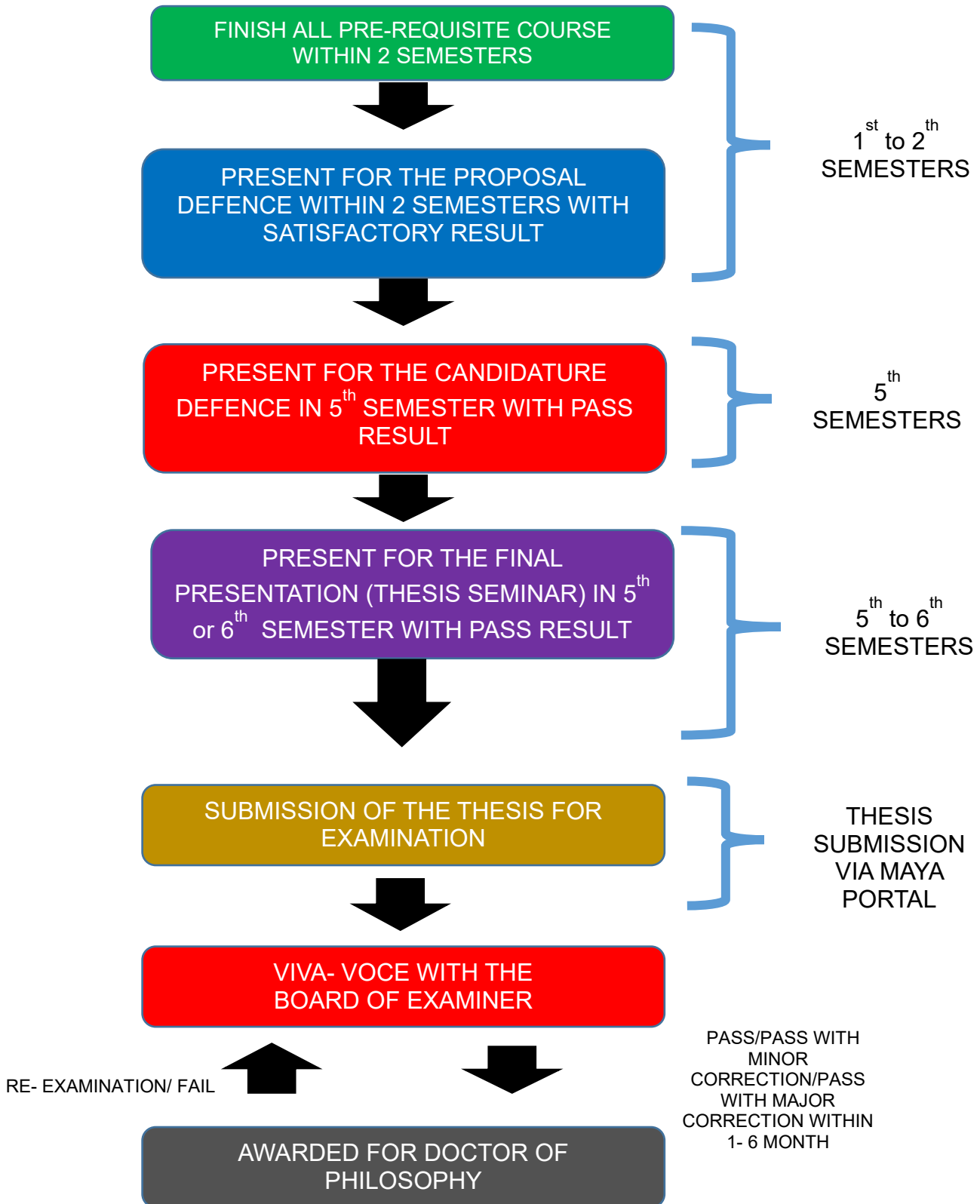
## Assessment Weightage

Continuous Assessment : 100%

## Medium of Instruction

English

## FLOW CHART PHD RESEARCH



## PUBLICATION GUIDELINES

### GUIDELINES FOR PUBLICATION IN FULFILMENT OF GRADUATION REQUIREMENTS FOR POSTGRADUATE CANDIDATES By RESEARCH (SENATE APPROVAL ON 29.10.2015)

Publication(s) produced by postgraduate research candidates in fulfilment of graduation requirements must comply with the following criteria:

CRITERIA	REMARKS
<b>(1) Type of Publications</b>	<p>Publications accepted must be:</p> <ul style="list-style-type: none"> <li>• full length articles in journals with impact factor, which are listed in:               <ul style="list-style-type: none"> <li>(a) Thomson Reuters Web of Science (WoS) databases (Science Citation Index Expanded™, Social Sciences Citation Index® and Arts &amp; Humanities Citation Index®); or</li> <li>(b) Category A* or Category B* recognized by the faculty; or</li> </ul> </li> <li>• books* or book chapters* published by publishers listed in the ISI Web of Science (WoS) Master Book List, Thomson Reuters or by University of Malaya Press or <i>Dewan Bahasa dan Pustaka</i> or any publishers recognized by the Faculty. One (1) book is equivalent to 2 (two) publications whereas two (2) book chapters in different books are equivalent to 1 (one) publication.</li> </ul> <p><b>*Note:</b> Publications in Category A or Category B refereed journals or books or book chapters are only applicable to candidates pursuing programmes in the field of Social Sciences.</p>
<b>(2) Authorship</b>	<p>Publications accepted must be published with the supervisor(s). The supervisor shall act as the corresponding author. In the event that the candidate has more than one supervisor, one of them shall be the corresponding author.</p> <p>The candidate must be the first author, or either the second or subsequent author after the supervisor(s), or the first student author. In the event, two or more candidates co-authored in an article, only one candidate is allowed to use this article to fulfil his/her graduation requirement.</p>
<b>(3) Timing</b>	Publications accepted must be within the candidature of the candidate.
<b>(4) Topic of publications</b>	Publications accepted must be related and conform to the candidate's research in his/her thesis/dissertation.
<b>(5) Affiliation</b>	Publications accepted must carry the affiliation of the department and/or faculty where the candidate is registered.
<b>(6) Blacklisted journals</b>	<p>Publications in the following journals are <b>NOT</b> accepted:</p> <ul style="list-style-type: none"> <li>• Publications in journals blacklisted by the Malaysian Ministry of Education (MoE)</li> <li>• Publications in Probable Predatory Journals (<a href="http://scholarlyoa.com/individual-journals/">http://scholarlyoa.com/individual-journals/</a>) and Publishers (<a href="http://scholarlyoa.com/publishers/">http://scholarlyoa.com/publishers/</a>) and hijacked journals (<a href="http://scholarlyoa.com/other-pages/hijacked-journals/">http://scholarlyoa.com/other-pages/hijacked-journals/</a>) according to Beall's List.</li> </ul>

**NOTE:** Candidate must provide a copy of authorship document that was submitted to the respective publishers (e.g. Authorship Agreement/Form or Statement of Authorship or cover letter of article submission), confirming all the named authors has agreed to publication.

## CANDIDATURE REQUIREMENTS

Candidates are required to complete their candidature by fulfilling the following requirements:

### For Doctoral Degree (by Research) – Doctor of Philosophy

Requirements	
<b>Candidates are required to fulfil the following candidature requirements before submission of the thesis for examination:</b>	
1.	Fulfil the minimum candidature duration of 4 semesters.
2.	Fulfil the University language requirement (Bahasa Malaysia and English)
3.	Fulfil the residential requirement of 12 months. <i>Candidates are considered to have fulfilled the residential requirement if they have completed requirements 4, 5, 6*, 7 and 8, including the following:</i> (a) <i>Face-to-face consultation with supervisor(s) as imposed by the faculty; and/or</i> (b) <i>Participation in any faculty activity as required by the faculty</i>
4.	Attend at least 3 credits of a <b>Research Methodology Course</b> not later than the second (2 <sup>nd</sup> ) semester of candidature.
5.	Present research proposal at a <b>Proposal Defence</b> not later than the second (2 <sup>nd</sup> ) semester of candidature.
6.	<i>For candidates with direct admission into the Doctor of Philosophy programme (<b>Fast Track</b>),</i> Present research progress at a <b>PhD Confirmation Defence</b> not later than the third (3 <sup>rd</sup> ) semester of candidature.
7.	Present research progress in a <b>Candidature Defence</b> session not later than the fifth (5 <sup>th</sup> ) semester of candidature.
8.	Present research progress in a <b>Thesis Seminar</b> before the submission of thesis for examination.
<b>Candidates must fulfil the following publication requirement prior to graduation:</b>	
<b>Publication Requirement</b>	
<p>Doctoral candidates pursuing programmes in the field of <b>Social Sciences</b> must show proof of acceptance for publication per the following (according to the criteria set in the publication guidelines), prior to graduation:</p> <p>(a) at least one (1) article in journals indexed by Thomson Reuters Web of Science (WoS); or            (b) at least one (1) book published by publishers listed in the Thomson Reuters Web of Science (WoS) Master Book List or by University of Malaya Press or Dewan Bahasa dan Pustaka or any publishers recognised by the Faculty; or            (c) at least two (2) publications in Category A or B refereed journals, or book chapters as follows:</p> <ul style="list-style-type: none"> <li>• <b>Articles in Category A journals:</b> Journals indexed in the Scopus citation database; or the ERA Journal List (Australian Research Council).</li> <li>• <b>Articles in Category B journals:</b> Journals published by University or scholarly publishers or listed in MyJurnal (Malaysian Journal Management System). (List of Category B journals must be recognised by the Faculty)/</li> <li>• <b>Book chapters in different books:</b> Book chapters published by publishers listed in the Thomson Reuters Web of Science (WoS) Master Book List, or by University of Malaya Press or Dewan Bahasa dan Pustaka or any publishers recognised by the Faculty. Two (2) book chapters in different books are equivalent to one (1) publication.</li> </ul>	
<b>NOTE:</b> Candidates are also required to fulfil any additional requirements imposed by the Faculty.	

**For Master's Degree (by Research)**

<b>Requirements</b>	
<b>Candidates are required to fulfil the following candidature requirements before submission of the dissertation for examination:</b>	
1.	Fulfil the minimum candidature duration of 2 semesters.
2.	Fulfil the University language requirement (Bahasa Malaysia and English)
3.	Fulfil the residential requirement of 6 months. <i>Candidates are considered to have fulfilled the residential requirement if they have completed requirements 4, 5, and 6, including the following:</i> <i>(a) Face-to-face consultation with supervisor(s) as imposed by the faculty; and/or</i> <i>(b) Participation in any faculty activity as required by the faculty</i>
4.	Attend at least 3 credits of a <b>Research Methodology Course</b> not later than the second (2 <sup>nd</sup> ) semester of candidature.
5.	Present research proposal at a <b>Proposal Defence</b> not later than the second (2 <sup>nd</sup> ) semester of candidature.
6.	Present research progress in a <b>Candidature Defence</b> session not later than the third (3 <sup>rd</sup> ) semester of candidature.
<b>Candidates must fulfil the following publication requirement prior to graduation:</b>	
<b>Publication Requirement</b>	
Master's candidates pursuing programmes in the field of <b>Social Sciences</b> must show proof of acceptance for publication per the following (according to the criteria set in the publication guidelines), prior to graduation:	
<p>(a) at least one (1) article in journals indexed by Thomson Reuters Web of Science (WoS); or</p> <p>(b) at least one (1) book published by publishers listed in the Thomson Reuters Web of Science (WoS) Master Book List or by University of Malaya Press or Dewan Bahasa dan Pustaka or any publishers recognised by the Faculty; or</p> <p>(c) at least one (1) publication in Category A or B refereed journals, or book chapters as follows:</p> <ul style="list-style-type: none"> <li>• <b>Articles in Category A journals:</b> Journals indexed in the Scopus citation database; or the ERA Journal List (Australian Research Council).</li> <li>• <b>Articles in Category B journals:</b> Journals published by University or scholarly publishers or listed in MyJurnal (Malaysian Journal Management System). (List of Category B journals must be recognised by the Faculty)/</li> <li>• <b>Book chapters in different books:</b> Book chapters published by publishers listed in the Thomson Reuters Web of Science (WoS) Master Book List, or by University of Malaya Press or Dewan Bahasa dan Pustaka or any publishers recognised by the Faculty. Two (2) book chapters in different books are equivalent to one (1) publication.</li> </ul>	
<b>NOTE:</b> Candidates are also required to fulfil any additional requirements imposed by the Faculty.	

**For Master's Degree (by Mixed Mode)**

Requirements	
1.	Fulfil the minimum candidature duration of 2 or 3 semesters.
2.	Fulfil the University language requirement (Bahasa Malaysia and English)
3.	Fulfil the residential requirement of 6 months.
4.	Presentation <ul style="list-style-type: none"><li>• Present research proposal at the beginning of the research component registration.</li><li>• Present research progress in a <b>Candidature Defence</b> session as required by the Faculty.</li></ul>
<b>NOTE:</b> <ul style="list-style-type: none"><li>• Candidates are also required to fulfil any additional requirements imposed by the Faculty.</li><li>• Candidates are required to complete their courses with a minimum CGPA of 3.00 prior to registering for the research component.</li></ul>	

## GRADUATE ON TIME (GOT) SCHEDULE

### Doctor of Philosophy Candidates

Semester	Activities	Output/Milestone
1	<ul style="list-style-type: none"> <li>Attend Research Methodology Course</li> <li>Attend Bahasa Melayu course*</li> <li>Attend English language course**</li> <li>Familiarization with and use of EndNote, Turnitin, editing software, data analysis and research tools</li> <li>Conduct Literature Review</li> <li>Proposal Defence</li> </ul>	<ul style="list-style-type: none"> <li>Completed Research Methodology course</li> <li>Fulfilment of language requirements</li> <li>Presented research proposal</li> </ul>
2	<ul style="list-style-type: none"> <li>Extend Introduction section in proposal as Chapter 1 draft</li> <li>Complete Literature Review</li> <li>Conduct pilot study / start data collection</li> <li>Attend at least 3 courses in Upskill Program (including GOT seminar)</li> <li>Prepare for Candidature Defence</li> </ul>	<ul style="list-style-type: none"> <li>Literature Review</li> <li>Thesis Plan / Outline of Thesis</li> <li>Submission of Publication 1 (review paper / concept paper)</li> </ul> <p>(Candidates are strongly advised to use reference management software Eg: Mendeley, Bibtex, EndNote)</p>
3	<ul style="list-style-type: none"> <li>Data analysis</li> <li>Candidature Defence report writing</li> <li>Attend at least 2 courses in Upskill Program</li> <li>Candidature Defence</li> </ul>	<ul style="list-style-type: none"> <li>Completed Candidature Defence (Candidature Defence report should include data collection, findings, thesis outline)</li> </ul>
4	<ul style="list-style-type: none"> <li>Data analysis</li> <li>Thesis write-up (Chapter 1, 2 &amp; 3)</li> <li>Preparation of manuscripts for submission of publication</li> <li>Attend at least 2 courses in Upskill Program</li> </ul>	<ul style="list-style-type: none"> <li>Submission of Publication 2</li> <li>Completed drafts of three chapters</li> </ul>
5	<ul style="list-style-type: none"> <li>Thesis write-up (complete remaining chapters)</li> <li>Presentation of Thesis Seminar</li> <li>Attend at least 2 courses in Upskill Program</li> <li>Submit 3 Months' Notice for thesis submission</li> <li>Attend Thesis Bootcamp</li> </ul>	<ul style="list-style-type: none"> <li>Completed thesis draft</li> <li>Presented Thesis Seminar</li> </ul>
6	<ul style="list-style-type: none"> <li>Finalize and submit thesis</li> <li>Prepare for viva voce</li> </ul>	<ul style="list-style-type: none"> <li>Submission of thesis</li> <li>Viva voce</li> </ul>



**Masters by Research Candidates**

<b>Semester</b>	<b>Activities</b>	<b>Output/Milestone</b>
<b>1</b>	<ul style="list-style-type: none"> <li>• Attend Research Methodology Course</li> <li>• Attend Bahasa Melayu course*</li> <li>• Attend English language course**</li> <li>• Familiarization with and use of EndNote, Turnitin, editing software, data analysis and research tools</li> <li>• Conduct Literature Review</li> <li>• Proposal Defence</li> </ul>	<ul style="list-style-type: none"> <li>• Completed Research Methodology course</li> <li>• Fulfilment of language requirements</li> <li>• Presented research proposal</li> </ul>
<b>2</b>	<ul style="list-style-type: none"> <li>• Extend research proposal to drafts of chapter 1, 2 &amp; 3</li> <li>• Conduct pilot study / planning &amp; setting up of experiment / start data collection</li> <li>• Begin data analysis</li> <li>• Attend at least 2 courses in Upskill Program</li> <li>• Prepare and present Candidature Defence</li> <li>• Prepare for Publication 1</li> </ul>	<ul style="list-style-type: none"> <li>• Complete outline of dissertation</li> <li>• Submission of Publication 1</li> <li>• Completed Candidature Defence</li> </ul>
<b>3</b>	<ul style="list-style-type: none"> <li>• Finalise chapters 1, 2 &amp; 3</li> <li>• Finalise data analysis</li> <li>• Begin chapters 4 &amp; 5</li> <li>• Attend at least 1 course in Upskill Program</li> <li>• Submit 3 Months' Notice</li> </ul>	<ul style="list-style-type: none"> <li>• Completed chapters 1, 2 &amp; 3</li> <li>• Draft of chapters 4 &amp; 5</li> </ul>
<b>4</b>	<ul style="list-style-type: none"> <li>• Attend Thesis Bootcamp</li> <li>• Finalise &amp; submit dissertation</li> <li>• Committee of Examiners meeting</li> </ul>	<ul style="list-style-type: none"> <li>• Submission of dissertation</li> <li>• Outcome of Committee of Examiners meeting</li> </ul>

## GRADING SCHEME

Marks	Grade	Grade Point	Meaning
90 -100	A+	4.0	High Distinction
80 – 89	A	4.0	Distinction
75-79	A-	3.7	
70-74	B+	3.3	Pass
65-69	B	3.0	
60-64	B-	2.7	Fail
55-59	C+	2.3	
50-54	C	2.0	
45-49	C-	1.7	
40-44	D+	1.5	
35-39	D	1.0	
0-34	F	0.0	

**ENQUIRIES ON POSTGRADUATE PROGRAMME**

**For enquiries on the postgraduate programmes,  
please contact the following staff:**

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*For enquiries on admission, registration and fees please contact:*

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Website: <http://aasc.um.edu.my>*

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<b>POSTGRADUATE UNIT</b>		
<b>ASSISTANT REGISTRAR</b>		
(Vacant)	3632	-
Mdm. Azura Hj. Aziz Mdm. Damia Huda Maamor Mdm. Siti Nurfarhana Muhammad Yunus Mr. Suhaidi Kamarudin	3636	azura02@um.edu.my damiahuda@um.edu.my - ady_suhaidi@um.edu.my

Name	Tel. Ext	Email
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<b>ASSISTANT REGISTRAR</b>		
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Mr. Nuur Ikhwan Nizal Maamor	3645	ikhwannizal@um.edu.my
<b>ADMINISTRATIVE &amp; DEVELOPMENT OFFICE</b>		
<b>PRINCIPAL ASSISTANT REGISTRAR</b>		
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Mr. Awang Bhukhari Matsat	3704	awangbhukhari@um.edu.my
Mdm. Norazani Ahmad		
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Mr. Shahrul Ibrahim	3740	shamir@um.edu.my
Mr. Ahmad Jamal Roslan	3700	shahrul6728@um.edu.my
	3700	ajamal@um.edu.my
<b>COMPUTER LAB/LECTURE ROOM/ICT</b>		
Mr. Mohd Ridhwan Mohd Ezad		
Mr. Rejandran Supramaniam	3635	ridhwan08@um.edu.my
Mr. Idris Ibrahim	3635	rejansup@um.edu.my
	3635	idris83@um.edu.my
<b>LECTURE HALL/SEMINAR ROOM</b>		
Mr. Muhammad Firdaus Hilmi Rosmadi		
Mr. Muhammad Azri Zikri Zahari	3718	mfirdaushilmi@um.edu.my
	3718	m.a.zikri@um.edu.my

Main telephone line: 603-7967 xxxx to be followed by the last 4 digits.



## DIRECTORY OF ACADEMIC STAFF (Qualifications and Expertise)

No.	Name/Position	Room No.	Tel. Ext.	Email @um.edu.my	Qualifications	Expertise
<b>DEPARTMENT OF ECONOMICS</b>						
1.	Assoc. Prof. Dr. Santha Chenayah @ Ramu <b>(Head of Department)</b>	2-37	3761/ 3746	santha	PhD, MEc (Osaka), BEc (Mal)	<ul style="list-style-type: none"> <li>• Environmental Economics</li> </ul>
2.	Prof. Dr. M Niaz Asadullah	2-40	3697	m.niaznasadullah	PhD, MSc (Oxon), MA (Dhaka), BA (Aligarh)	<ul style="list-style-type: none"> <li>• Microeconometrics and Impact Evaluation</li> </ul>
3.	Prof. Dr. Evelyn Shyamala Paul Devadason	2-05	3721	evelyns	PhD (Mal), MSocSc (NUS), BEc (Mal)	<ul style="list-style-type: none"> <li>• International Trade</li> </ul>
4.	Assoc. Prof. Dr. Kwek Kian Teng <b>(Coordinator TIAC)</b>	D10	3655	ktkwek	PhD (Monash), MEc, BEc (Mal)	<ul style="list-style-type: none"> <li>• Financial Economics</li> </ul>
5.	Assoc. Prof. Dr. Lim Kian Ping <b>Deputy Dean (Research)</b>	E17	3666	kianpinglim	PhD (Monash), MSc (UPM), BBA (UKM)	<ul style="list-style-type: none"> <li>• Financial Economics</li> </ul>
6.	Assoc. Prof. Dr. Yong Chen Chen	B26	3687	ccyong	PhD (UPM), MEc, BSc (UPM)	<ul style="list-style-type: none"> <li>• Human Capital</li> </ul>
7.	Dr. Roza Hazli Zakaria <b>(Deputy Dean Undergraduate)</b>	B34	3653/ 3621	roza	PhD (UKM), MEc, BEc (Mal)	<ul style="list-style-type: none"> <li>• Household Economics</li> </ul>
8.	Dr. Mohamed Aslam Gulam Hassan	B24	3684	maslam	PhD (Hiroshima CU), PhD, MEc (Mal), BSocSc (USM), ASP (Kiel)	<ul style="list-style-type: none"> <li>• International Macroeconomics</li> </ul>
9.	Dr. Zarinah Yusof	B29	3716	zarinahy	PhD (UPM), MEc, BEc (Mal)	<ul style="list-style-type: none"> <li>• Macroeconomics</li> </ul>
10.	Mr. Saad Mohd Said	2-02	3640	saadms	MSc (Lond), BEc (Mal)	<ul style="list-style-type: none"> <li>• Macroeconomics</li> <li>• Industrial Economics</li> <li>• Financial Markets</li> </ul>
11.	Dr. NurulHuda Mohd Satar	B33	3656	nurulhuda	PhD (UWM), MEc, BEc (Mal)	<ul style="list-style-type: none"> <li>• Household Economics</li> </ul>
12.	Dr. Yong Sook Lu	2-13	3717	yongsl	PhD (Lancaster), MEc, BEc (Mal)	<ul style="list-style-type: none"> <li>• Industrial Economics</li> </ul>
13.	Dr. Tang Tuck Cheong	E14	3628	tangtuckcheong	PhD (Monash), MSc, BEc (UUM)	<ul style="list-style-type: none"> <li>• Open-economy Macroeconomics</li> </ul>
14.	Dr. Ong Sheue Li	E02	3699	ongsl	PhD (YNU), MSc (UMS), BSc (UMT)	<ul style="list-style-type: none"> <li>• International Economics</li> </ul>
15.	Dr. Elya Nabila Abdul Bahri	E20	3607	elyanabila	PhD (UKM), MEc, BEc (Mal)	<ul style="list-style-type: none"> <li>• Macroeconomics</li> <li>• Macroeconometrics</li> </ul>

No.	Name/Position	Room No.	Tel. Ext.	Email @um.edu.my	Qualifications	Expertise
16.	Dr. Goh Lim Thye	E08	3670	ltgoh	PhD, M.Sc (International Economics), BEc, (UPM)	<ul style="list-style-type: none"> <li>• Development Economics</li> </ul>
17.	Mr. Chong Chin Sieng	E1	3672	cschong	MEc, BEc (Mal)	<ul style="list-style-type: none"> <li>• Financial Economics</li> </ul>
18.	Mdm. Nor Hasniah Kasim	B22	3639	norhasniah	MEc (UKM), BEc (Mal)	<ul style="list-style-type: none"> <li>• Household Economics</li> </ul>
<b>DEPARTMENT OF DEVELOPMENT STUDIES</b>						
1.	Assoc. Prof. Dr. V.G.R Chandran Govindaraju <i>(Head of Department)</i>	2-38	3660	vgrchandran	PhD (Mal), M.Sc.(Env.Managem ent) (UKM), BA (UKM)	<ul style="list-style-type: none"> <li>• Industrial Development</li> <li>• Innovation Economics</li> </ul>
2.	Assoc. Prof. Dr. Baskaran Angathevar	2-11	3661	baskaran	DPhil (Sussex), MSc (Middlesex), MPhil (JNU), MA (Punjab), MA (Madurai)	<ul style="list-style-type: none"> <li>• Innovation Economy</li> <li>• National Innovation System</li> <li>• Science, Technology and Development</li> <li>• FDI &amp; OFD</li> <li>• Entrepreneurship and Financial Small Business Management</li> </ul>
3.	Dr. Sharifah Muhairah Shahabudin	E05	3683	muhairah	PhD (Mal), MSc (UiTM), BA (UC, NZ)	<ul style="list-style-type: none"> <li>• Economic Social Status &amp; Education</li> <li>• Development Psychology</li> <li>• Development Sociology</li> </ul>
4.	Dr. Azmah Othman	B25	3675	g3azmah	PhD (Mal), MPhil, MSc (Wales), BEc (Mal)	<ul style="list-style-type: none"> <li>• Agricultural Economics</li> <li>• Development Economics</li> <li>• Cooperative Development</li> </ul>
5.	Dr. Muhammad Mehedi Masud	2-03	3630	mehedi	PhD (Mal), MSS, BSS (IIUM)	<ul style="list-style-type: none"> <li>• Environment &amp; Development Economics</li> <li>• General Management</li> <li>• Organizational Communication</li> </ul>
6.	Dr. Sonia Kumari Selvarajan	E16	3727	soniakumari	PhD (UNIMAS), MEc, BEc (UKM)	<ul style="list-style-type: none"> <li>• Research Methodology</li> <li>• Agriculture Development</li> <li>• Financial Development and Inc</li> </ul>
7.	Mdm. Nur Annizah Ishak	B31	3723	annizah	MA (UMKC), MEc, BEc (UKM)	<ul style="list-style-type: none"> <li>• Development Economics</li> <li>• Crime Economics</li> <li>• Sociology</li> <li>• Tourism Economics</li> </ul>
<b>DEPARTMENT OF ADMINISTRATIVE STUDIES &amp; POLITICS</b>						
1.	Professor Dr. Beh Loo See <i>(Head of Department)</i>	2-12	3677	lucybeh	PhD (UPM), MA (UKM), BA (USM)	<ul style="list-style-type: none"> <li>• Human Resource Management</li> <li>• Public Administration</li> </ul>

No.	Name/Position	Room No.	Tel. Ext.	Email @um.edu.my	Qualifications	Expertise
2.	Professor Dr. Edmund Terence Gomez <i>(Dean)</i>	2-39	3725	etgomez	PhD (Mal), MPhil (Mal), BA (Mal)	<ul style="list-style-type: none"> <li>Malaysian Politics</li> <li>Political Economy</li> <li>Ethnic Business</li> </ul>
3.	Professor Dr. Khadijah Md Khalid	2-01	3637	dijut	PhD (Lond), MA (Calif. Santa Barbara), BA (Sonoma State)	<ul style="list-style-type: none"> <li>Malaysian Politics</li> <li>Comparative Politics</li> <li>International Politics</li> <li>Political Economy</li> <li>Political Development, Third World Politics</li> <li>Malaysian Foreign</li> </ul>
4.	Assoc. Prof. Dr. Kuppusamy Singaravelloo	B20	3678	kuppusamy_s	PhD (UPM), MPA (Mal), BSc (Mal)	<ul style="list-style-type: none"> <li>Local Government Management and Administration</li> <li>Public Enterprises</li> <li>Privatisation</li> <li>Human Resources</li> </ul>
5.	Assoc. Prof. Dr. Makmor Tumin	2-04	3658	makmor	PhD (Mal), MPA (Mal), BEc (Mal)	<ul style="list-style-type: none"> <li>Civil Society</li> <li>Theory and Political Thought</li> </ul>
6.	Assoc. Prof. Dr. Raja Noriza Raja Ariffin	C14	3620	rnoriza	PhD (Nottingham), MCRP (CSUF), BA (USL)	<ul style="list-style-type: none"> <li>Urban Planning</li> <li>Local Government</li> <li>Transportation</li> </ul>
7.	Dr. Hanira Hanafi	B27	3652	hanira_hanafi	PhD (Durham), MCL (UIAM), LLB	<ul style="list-style-type: none"> <li>Malaysian Legal System</li> <li>Islamic Banking and Finance</li> </ul>
8.	Dr. Muhammad Asri Mohd Ali	B32	3722	muhasri	PhD (Mal), MPA (Mal), BEc (Mal)	<ul style="list-style-type: none"> <li>Voting Behaviour</li> <li>Political Party</li> <li>Politics Culture</li> <li>State-Society Relations</li> </ul>
9.	Mr. Nawi Abdullah	E11	3604	a.nawi	MPA (Mal), BEc (Mal)	<ul style="list-style-type: none"> <li>Management</li> <li>Public Finance</li> <li>Public of Administration</li> </ul>
10.	Dr. Mohammad Tawfik Yaakub	E10	3668	tawfik	PhD (UM), MA (UKM), BA (Political Science) (UKM)	<ul style="list-style-type: none"> <li>Malaysia Politics</li> <li>Malays Politics</li> <li>Indonesia Politics</li> <li>Political History</li> </ul>
11.	Dr. Nurhidayah Abdullah	B21	3715	abd_hidayah	PhD (Sydney), MCL (UIAM), LLB	<ul style="list-style-type: none"> <li>Contract Law</li> <li>Business Law</li> </ul>
12.	Dr. Nur Hairani binti Abd Rahman	E19	3733	nurhairani	PhD (USM), MPA (Mal), BSocSc (Political Science) (UKM)	<ul style="list-style-type: none"> <li>Public Policy and Administration</li> <li>Policy Studies</li> </ul>
13.	Dr. Nurul Liyana binti Mohd Kamil	E21	3728	nurulliyana	PhD (USM), MBA (UiTM), BBA (HRM) (Uniten)	<ul style="list-style-type: none"> <li>Human Resource Management</li> <li>Organizational Behavior</li> <li>Public Administration</li> <li>Corporate Governance</li> </ul>
14.	Dr. Kevin Fernandez	E09	3732	kevin	PhD (USM), International Masters (UM), BBA (Queensland, Australia)	<ul style="list-style-type: none"> <li>Political Science</li> <li>Social Movements and New Media</li> <li>Preventing/Countering Violent Extremism</li> </ul>

No.	Name/Position	Room No.	Tel. Ext.	Email @um.edu.my	Qualifications	Expertise
<b>DEPARTMENT OF APPLIED STATISTICS</b>						
1.	Professor Dr. Goh Kim Leng <i>(Head of Department)</i>	B28	3667	klgoh	PhD (Monash), MEc, BEc (Mal)	<ul style="list-style-type: none"> <li>• Econometrics</li> <li>• Financial Time Series Analysis</li> </ul>
2.	Professor Dr. Noor Azina Ismail	B30	3681	nazina	PhD (QUT), MStats, BSc (UNSW)	<ul style="list-style-type: none"> <li>• Multivariate Techniques</li> <li>• Medical Statistics</li> <li>• Health Information System</li> <li>• Mathematics of Education</li> <li>• Applied Statistics</li> <li>• Structural Equation Modeling</li> <li>• Mixture Model</li> </ul>
3.	Assoc. Prof. Dr. Lau Wee Yeap <i>(Deputy Dean Postgraduate)</i>	D7	3627	wylau	PhD (Osaka), MFE (NUS), MAppStats (Mal), MEc (Osaka), MAcc (CSU), BSocSc (Hons) (USM)	<ul style="list-style-type: none"> <li>• Financial Econometrics</li> <li>• Applied Econometrics</li> <li>• Applied Statistics</li> <li>• Finance</li> <li>• Portfolio Management</li> </ul>
4.	Dr. Muzalwana Abdul Talib	B23	3730	wana_am	PhD (Mal), MAppStats (Mal), BA (Hons) (Sheffield Hallam)	<ul style="list-style-type: none"> <li>• Applied Statistics</li> <li>• Statistical Quality Control</li> <li>• Multivariate Technique</li> <li>• Service Quality</li> </ul>
5.	Dr. Ahmad Farid Osman	E7	3665	faridosman	PhD (Monash), MSc, BAppSc (USM)	<ul style="list-style-type: none"> <li>• Statistics</li> <li>• Econometrics</li> <li>• Time Series Analysis</li> </ul>
6.	Dr. Lai Siow Li	E15	3725	laisiowli	PhD (Mal), MAppStats (Mal), BEc (Mal)	<ul style="list-style-type: none"> <li>• Demography/ Population Studies</li> <li>• Applied Statistics</li> <li>• Survey Sampling</li> <li>• SPSS Use</li> </ul>
7.	Dr. Ng Yin Mei	E18	3726	yinmei.ng	PhD (UQ), (MAppStats (Mal), BEc (Mal)	<ul style="list-style-type: none"> <li>• Social Gerontology</li> <li>• Population Studies</li> <li>• Life Course Studies</li> <li>• Quantitative and Qualitative Analysis</li> <li>• Applied Statistics</li> </ul>
8.	Dr. Adilah Abdul Ghapor	E3	3764	adilahghapor	PhD (Mal), BSc (Purdue University, USA)	<ul style="list-style-type: none"> <li>• Outlier Detection</li> <li>• Missing Values Estimation</li> </ul>
9.	Dr. Diana Abdul Wahab	E4	3674	diana.abdwahab	PhD (Leeds), MAppStats (Mal), BDecSc (UUM)	<ul style="list-style-type: none"> <li>• Decision Science</li> <li>• Applied Statistics</li> <li>• Data Mining</li> </ul>
10.	Dr. Soon Siew Voon	E22	3651	svsoon	PhD (UPM), MEc (UPM), BEc (UPM)	<ul style="list-style-type: none"> <li>• Applied Econometrics</li> <li>• International Finance</li> <li>• Time Series Analysis</li> </ul>
11.	Dr. Hannuun Eadiela Yaacob	E06	-	hannuun_yy	PhD (Sheffield), MAppStats (Mal), BSc (UTM)	<ul style="list-style-type: none"> <li>• Bayesian Analysis</li> <li>• Statistical Genetics</li> <li>• Biostatistics</li> </ul>

Main telephone line: 603-7967 xxxx to be followed by the last 4 digits.

## PROHIBITION AGAINST PLAGIARISM

(In accordance with Section 6 of Prohibition Against Plagiarism, Part II, General Discipline, Universities and University College Act, 1971 University of Malaya (Discipline of Students) Rules 1999)

“... 1. A student shall not plagiarize any idea, writing, data or invention belonging to another person.

2. For the purposes of this rule, plagiarism includes:

- (a) the act of taking an idea, writing, data or invention of another person and claiming that the idea, writing, data or invention is the result of one's own findings or creation; or
- (b) an attempt to make out or the act of making out, in such a way, that one is the original source or the creator of an idea, writing, data or invention which has actually been taken from some other source.

3. Without prejudice to the generality of subrule (2) a student plagiarizes when he:

- (a) Publishes, with himself as the author, an abstract, article, scientific or academic paper, or book which is wholly or partly written by some other persons;
- (b) incorporates himself and allows himself to be incorporated as a co-author of an abstract, article, scientific or academic paper, or book, when he has not at all made any written contribution to the abstract, article, scientific or academic paper, or book;
- (c) forces another person to include his name in the list of co-researchers for a particular research project or in the list of co-authors for a publication when he has not made any contribution which may qualify him as a co-researcher or co-author;
- (d) extracts academic data which are the results of research undertaken by some other person, such as laboratory findings or field work findings or data obtained through library research, whether published or unpublished, and incorporate those data as part of his academic research without giving due acknowledgement to the actual source;
- (e) uses research data obtained through collaborative work with some other person, whether or not that other person is a staff member of a student of the University, as part of another distinct personal academic research of his, or for a publication in his own name as sole author, without obtaining the consent of his co-researchers prior to embarking on his personal research or prior to publishing the data;

- (f) transcribes the ideas or creations of others kept in whatever form, whether written, printed or available in electronic form, or in slide form, or in whatever form of teaching or research apparatus, or in any other form, and claims whether directly or indirectly that he is the creator of that idea or creation;
- (g) translates the writing or creation of another person from one language to another whether or not wholly or partly, and subsequently presents the translation in whatever form or manner as his own writing or creation; or
- (h) extracts ideas from another person's writing or creation and makes certain modifications without due reference to the original source and rearranges them in such a way that it appears as if he is the creator of those ideas . . .”

## MOKHZANI MEMORIAL MEDAL

The Mokhzani Memorial Medal (MMM) was established in memory of the late Dato' Dr. Mokhzani bin Abdul Rahim who passed away on June 15, 2003 by Yayasan MEA. The Medal was launched on July 22, 2003 during the 15th Malaysian Economic Association Convention, held in Kuala Lumpur. The Senate of the University of Malaya officially approved the MMM and the regulations pertaining to the Medal on April 22, 2004. The Medal is to be awarded to the student with the best result and graduates with a Distinction from the Master of Economics programme by Coursework.

The MMM is a tribute to the late Dato' Dr. Mokhzani's extraordinary contributions to the Malaysian Economic Association, and to the development of the Faculty of Economics and Administration, University of Malaya during his long and distinguished career with the University.

The MMM was established with a donation of RM40,000 to the University of Malaya. The donors are:

1. The late Dato' Siew Nim Chee
2. Tan Sri Dato' Dr. Lin See Yan
3. Dato' Dr. R. Thillainathan
4. Mrs. Khoo Siew Mun
5. Tan Sri Dato' Mohd. Sheriff Mohd. Kassim
6. Mr. Cheam Tat Peng
7. Dr. V. Selvaratnam
8. Mr. and Mrs. Gaylord Obern
9. Yayasan MEA

The recipients of MMM:

2004: Ms. Ramna Veni a/p Petchimuthu  
2005: Ms. Nurulhuda bt. Mohd. Satar  
2006: Ms. Chuah Kue Peng  
2007: Mr. Chew Chu Keng  
2008: Ms. Ng Sheau Lan  
2009: Mr. Puvaneswaran a/l Sanjivee  
2010: Ms. Liew Lee Min  
2011: Ms. Yogitha a/p Balakrishnan  
2013: Ms. Joanne Kek Yen Ei  
2014: -  
2015: Mr. Ong Chu Sun  
2016: Ms. Vidhya a/p Sathyamoorthy  
2017: Ms. Anneliz Reina George  
2018: Mr. Ahmad Shazwan bin Mohd Kharip Shah  
2019: Ms. Syaza Adila binti Md Rafai  
2020: Mr. Lee Chang Boong

# FACILITIES

The basic facilities that are available at the FEA include the following:

Facilities	Location/Block
Computer Lab	<ul style="list-style-type: none"> <li>• Ground Floor, Postgraduate Building Block H12</li> <li>• Ground Floor, Block H08               <ul style="list-style-type: none"> <li>➢ (Utility Lab)</li> </ul> </li> <li>• Level 1, Block H08               <ul style="list-style-type: none"> <li>➢ (G2/G3 Lab)</li> </ul> </li> </ul>
FEA Auditorium	Block H11
FEA Hall	Block H09
Lecture Hall	DK1, DK2, DK4 & DK5 Block H11
Meeting Room	<ul style="list-style-type: none"> <li>• Level 1, Block H10               <ul style="list-style-type: none"> <li>➢ Dean Meeting Room</li> </ul> </li> <li>• Ground Level, Block H09               <ul style="list-style-type: none"> <li>➢ Econo-Cube Room</li> <li>➢ SWRC/PEM Meeting Room</li> </ul> </li> <li>• Level 1, Postgraduate Building Block H12               <ul style="list-style-type: none"> <li>• Viva Room</li> </ul> </li> </ul>
Consultation Room	Ground Level, Block H10
Conference Room	Level 3, Postgraduate Building Block H12
Seminar Room	Ground Level, Level 1, Level 2 & Level 3 Postgraduate Building Block H12
Cafeteria	Ground Level, Postgraduate Building Block H12
Prayer Room	Men: <ul style="list-style-type: none"> <li>• Level 3, Block H10</li> <li>• Ground Level, Block H08</li> <li>• Ground Level, Postgraduate Building Block H12</li> </ul> Ladies: <ul style="list-style-type: none"> <li>• Level 2, Block H10</li> <li>• Level 1, Block H08</li> <li>• Ground Level, Postgraduate Building Block H12</li> </ul>
Student Resources Room	Level 1, Postgraduate Building Block H12
Study Room	Level 2, Postgraduate Building Block H12
PhD Room	Level 2, Block H08



## COMPUTER LAB RULES

1. Opening hours:

Regular working hours:

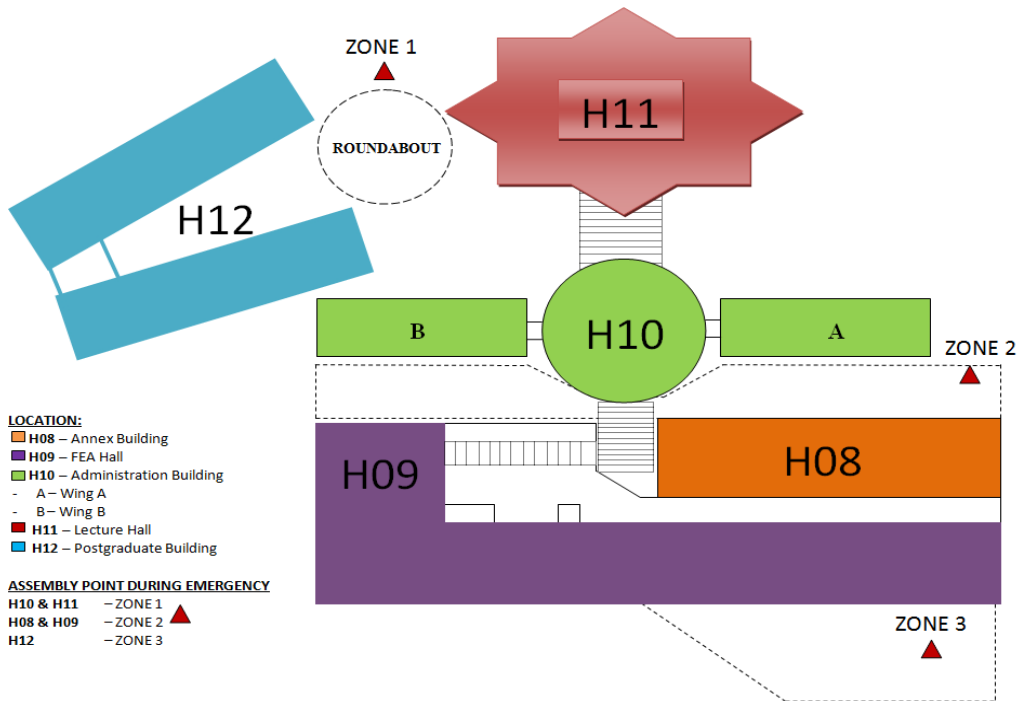
<b>Monday - Thursday</b>	8.30 am	-	1.00 pm
	2.00 pm	-	5.30 pm
Lunch Break	1.00 pm	-	2.00 pm
<b>Friday</b>	8.30 am	-	12.15 pm
	2.45 pm	-	5.30 pm
Lunch Break	12.15pm	-	2.45 pm

Additional hours during semester:

<b>Monday - Friday</b>	5.30 pm	-	9.30 pm
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2. Only the students from the Faculty of Economics and Administration are allowed to use the computer lab. Students are required to display their matric card while in the computer lab.
3. Students are required to ensure that pendrives and data are virus free.
4. Students must always ensure the cleanliness and the safety of the hardware in the computer lab including table, chair and other equipment.
5. Students must report any damages of the hardware and the furniture to the lab attendant.
6. Students must always dress neatly while in the lab. Students are prohibited from wearing slippers, shorts or revealing dresses.
7. **STUDENTS ARE PROHIBITED FROM:**
  - (1) Copying or installing any software from/to the hard disc in the computer lab.
  - (2) Bringing bags or friends and students from other faculties or other universities into the computer lab.
  - (3) Using hand phones, making noise or disturbing other users in the lab.
  - (4) Smoking and bringing food/drinks into the computer lab.
8. The Faculty will not be responsible for any accident resulting from irresponsible behaviour and for the loss of valuables being left outside the lab.

# MAP OF FACULTY OF ECONOMICS & ADMINISTRATION



<p><b>H08 – FEA Annex Building</b></p> <p><b>Ground Floor</b> Student Computer Lab, Male Surau</p> <p><b>Level 1</b> Learning Computer Lab (G2 &amp; G3) &amp; Female Surau</p> <p><b>Level 2</b> PhD Room</p> <p><b>H09 – FEA Hall</b></p> <p><b>Ground Floor</b> Seminar Room, Social Wellbeing Research Centre (SWRC), SWRC/PEM Meeting Room, Econocube &amp; FEA Hall</p> <p><b>Level 1</b> Researcher Room, Visiting Professor Room, Malaysian Economic Association (PEM)</p>	<p><b>H10 – Administration Building</b></p> <p><b>Lower Ground</b> Store Room</p> <p><b>Ground</b> FEA Concourse, Academic Office (Undergraduate &amp; Postgraduate), Lecturer Room &amp; Consultation Room</p> <p><b>Level 1</b> Dean’s Office, Deputy Dean’s Office (Research &amp; Development), Head of Departments Office, Principal Assistant Registrar Room &amp; Administration Office</p> <p><b>Level 2</b> Lecturer Room (D6 – D10), Centre for Poverty &amp; Development Studies (CPDS) Office, <i>K/TA</i> Room &amp; Female Surau</p> <p><b>Level 3</b> Lecturer Room (E1-E20), PhD Room (E23 – E30), Male Surau</p> <p><b>A – Wing A</b></p> <p><b>Ground Floor</b> Undergraduate &amp; Postgraduate Unit, Academic Office</p> <p><b>Level 1</b> Lecturer Room (C5 – C17) &amp; TIAC/Monetary &amp; Financial Economics Unit (MOFEU) Office</p> <p><b>B – Wing B</b></p> <p><b>Ground Floor</b> Lecturer Room (B19 – B34)</p> <p><b>Level 1</b> Lecturer Room (C31-C38) &amp; Dean’s Meeting Room (C41)</p>	<p><b>H11 – Lecture Hall</b></p> <p>Lecture Hall 1 – Lecture Hall 5 Store Room</p> <p><b>H12 – Postgraduate Building</b></p> <p><b>Ground Floor</b> Technician Room, Staff Room, Café, Surau, Fotocopy Shop &amp; Seminar Room (BSP 0-2 – BSP 0-4)</p> <p><b>Level 1</b> VIP Room &amp; Seminar Room (BSP 1-0 - BSP 1-7), Student Resource Room &amp; Secretariat Room</p> <p><b>Level 2</b> Lecturer Room (2-01 - 2-42), Research Assistant Room (BSP 2-3) &amp; Student’s Studies Room (BSP 2-4)</p> <p><b>Level 3</b> Postgraduate Conference Room &amp; Seminar Room (BSP 3-1 - BSP 3-3)</p>
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# UNIVERSITY OF MALAYA CAMPUS MAP



- CHANCELLERY ZONE
- RIMBA ILMU ZONE
- LIBRARY ZONE
- FACULTY/ INSTITUTE/ CENTRE
- RESIDENTIAL COLLEGES
- FACILITIES/ ADMINISTRATION

## NOTES

# CONTACT

**POSTGRADUATE UNIT  
ACADEMIC OFFICE  
FACULTY OF ECONOMICS AND ADMINISTRATION  
UNIVERSITY OF MALAYA**

