



UNIVERSITY  
OF MALAYA



# POSTGRADUATE PROSPECTUS

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2017/2018

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FACULTY OF ECONOMICS AND  
ADMINISTRATION

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**FACULTY OF ECONOMICS AND ADMINISTRATION  
UNIVERSITY OF MALAYA**

# **Postgraduate Prospectus**

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**Academic Session 2017/2018**

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## FACULTY OF ECONOMICS AND ADMINISTRATION ACADEMIC CALENDAR

### SEMESTER I

Introduction Week	1 week	04.09.2017	–	08.09.2017
Lectures	7 weeks	11.09.2017	–	27.10.2017
Mid-Semester I Break	1 week	28.10.2017	–	05.11.2017
Lectures	7 weeks	06.11.2017	–	22.12.2017
Revision Week	1 week	23.12.2017	–	31.12.2017
Examination Semester I	2 weeks	01.01.2018	–	14.01.2018
Semester I Break	3 weeks	15.01.2018	–	04.02.2018
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22 weeks				
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### SEMESTER II

Lectures	7 weeks	05.02.2018	–	23.03.2018
Mid-Semester II Break	1 week	24.03.2018	–	01.04.2018
Lectures	7 weeks	02.04.2018	–	18.05.2018
Revision Week	1 week	19.05.2018	–	27.05.2018
Examination Semester II	3 weeks	28.05.2018	–	14.06.2018
-----				
19 weeks				
=====				

### SESSION BREAK

Session Break	12 weeks	15.06.2018	–	09.09.2018
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### SPECIAL SEMESTER

Lectures	7 weeks	25.06.2018	–	12.08.2018
Examinations	1 week	13.08.2018	–	19.08.2018
Semester Break	4 weeks	20.08.2018	–	09.09.2018
-----				
12 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. Letters of reminder will not be sent regarding this matter.

Implications if candidates do not renew their candidature:

- (1) Registration stickers will not be issued.
- (2) Candidates are not allowed to use the library facilities.
- (3) Visa extension and student pass for International Students cannot be processed.
- (4) Candidates will not be allowed to attend classes and sit for examinations.
- (5) 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

## QUALITY OBJECTIVE

- To increase the student enrolment in various fields with a 1:1 ratio between postgraduate and undergraduate students.
- To ensure 60% of the undergraduate students achieve CGPA of 3.30 and above upon graduation (except students for Bachelor of Medicine and Surgery and Bachelor of Dental Surgery).
- To ensure 15% of the undergraduate students achieve CGPA of 3.7 and above (except students for Bachelor of Medicine and Surgery and Bachelor of Dental Surgery).
- To ensure the following GOT percentages for the stated period:
  - ✓ PhD – 7 semesters (40%)
  - ✓ Master (Research Mode) – 5 semesters (40%)
  - ✓ Master (Mixed Mode) – 5 semesters (40%)
  - ✓ Master (Coursework) – 4 semesters (60%)
  - ✓ Undergraduate: minimum period of study (85%)
- To ensure 30% of the courses adopt blended learning.
- To ensure one successful new collaboration programme with international or industry partners. E.g. Collaboration programme to enhance the teaching and learning process.
- To achieve 82% graduate employment rate within 6 months after graduation, including self-employment (start-up businesses).
- To ensure 50% of all the applications for admission to graduate programmes by research are processed within one month from the date of receipt of complete application.

## **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.

### **QUALITY OBJECTIVE**

- Aiming for 90 % of the undergraduates of each academic session to acquire their degrees within the specified maximum.
- Target of no more than 10% of undergraduates being placed under academic observation based on the results of final examinations in each semester.
- 85 % enrollment qualifications CGPA of 3.00 and above / equivalent or relevant work experience.
- 40 % of students completing a Masters Program in the last 2 years.
- 40 % of students complete the PhD program in 4 years.

## Opening Message



Welcome and congratulations to all new postgraduates!

On behalf of all lecturers and staff, I want to welcome all of you, the future leaders and economists. Admission to the Faculty of Economics and Administration (FEA) means you are just a step from your ambition and aspiration. We are thrilled to have you with us on campus, and we are excited to help nurture your academic strengths, encourage your personal growth, and inspire your creativity.

The faculty's mission is to develop academic excellence in the field of economics and administration. FEA was formed to promote and improve the economic knowledge and other abilities that are important in the highly competitive world of today. FEA has established itself as one of the leading economic faculties in the country and has produced many prominent leaders such as state leaders, economists and academics who are world-class, and responsible corporate citizens.

Program curriculum review is undertaken by the faculty periodically, taking into consideration the views of all important stakeholders to ensure that they remain contemporary and meet the demands of the labor market. An inbound-outbound program has also been introduced to give you the opportunity to experience varsity life in uniquely different but exciting world class universities abroad.

There are countless ways for you to get involved and make connections with each other, such as through research projects, student association, campus organizations, intervarsity sports, volunteer work in our community, and much more. I encourage you to take advantage of all that FEA has to offer during your time here.

The faculty is staffed with arguably some of the best academics in the fields of economics, public administration, development studies and applied statistics. Many of them have secured international research grants, consultancies, and have published in high impact journals. It is the blend of academics of high calibre and diligent students that provided the critical but constructive environment for engaging in scholarly discourse at the faculty.

This handbook serves as a reference for academic information about the postgraduate programs offered by the faculty. It is a useful guide on the courses, rules and regulations as well as on the modes of assessment and grading schemes. Please read it carefully and observe the details of the structure of your chosen programme of study. It is our hope that you will also enjoy the very congenial social environment that the faculty offers.

I wish you all the best in your academic pursuits and hope that you will make the best use of the opportunity to further enhance and enrich your knowledge and skills in making a significant contribution to education provision and industry in the region.

**PROFESSOR DR. NOOR AZINA ISMAIL**

**Dean**



## 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. Noor Azina Ismail PhD(QUT), MStats, BSc(UNSW)
Deputy Dean (Higher Degree)	:	Professor Dr. Goh Kim Leng PhD (Monash), MEc (Mal), BEc (Mal)
Deputy Dean (Undergraduate)	:	Assoc. Prof. Dr. Raja Noriza Raja Ariffin PhD(Nottingham), MCRP(CSUF), BA(USL)
Deputy Dean (Research & Development)	:	Dr. Lim Kian Ping PhD (Monash), MSc (UPM), BBA (UKM)
<b>Head of Department:-</b>		
Department Of Economics	:	Dr. Roza Hazli Zakaria PhD(NUMalaysia), MEc, BEc(Mal)
Department Of Development Studies	:	Assoc. Prof. Dr. VGR Chandran Govindaraju PhD (Mal), M.Env.Econ. (UKM), B.A (UKM)
Department of Administrative Studies and Politics	:	Assoc. Prof. Dr. Yeoh Kok Kheng PhD (Brad), MEc (Mal), BEc(Mal)
Department of Applied Statistics	:	Dr. Ng Sor Tho PhD (PutraUMalaysia), Mec(Mal), BEc(Mal)
<b>Director:-</b>		
Centre for Poverty and Development Studies (CPDS)	:	Dr. Shamsulbahriah Ku Ahmad PhD(Cambridge), MPhil (Sussex), BEc (UKM)
Security Social Research Center (SSRC)	:	Professor Datuk Dr Norma Mansor, PhD(Liv), MPA(Liv), BEc(Mal)

# ACADEMIC STAFF

## DEPARTMENT OF ECONOMICS

**Head:** Roza Hazli Zakaria, PhD(NUMalaysia), MEc, BEc(Mal)

**Professor**

Tan Eu Chye, PhD(Warwick), MEc(Mal), BSocSc(SciUMalaysia)

Fatimah Kari, PhD(MSU), MEc(Leicester), BEc(NUMalaysia)

**Associate Professor**

Yap Su Fei, PhD, MEc, BSc(Mal)

Evelyn Shyamala a/p Paul Devadason, PhD(Mal), MSocSc(NUS), BEc(Mal)

Kwek Kian Teng, PhD (Monash), MEc, BEc(Mal)

**Senior Lecturer**

Lim Kian Ping, PhD (Monash), MSc (UPM), BBA (UKM)

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

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

Roza Hazli Zakaria, PhD(NUMalaysia), MEc, BEc(Mal)

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

Santha a/p Chenayah @ Ramu, PhD(Osaka), MEc(Osaka), BEc(Mal)

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

Yong Chen Chen, PhD (PutraUMalaysia), MEc, BSc (PutraUMalaysia)

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

Zarinah Yusof, PhD (PutraUMalaysia), MEc, BEc(Mal)

**Lecturer**

Chong Chin Sieng, MEc, BEc(Mal)

\*Nor Hasniah Kasim, MEc(NUMalaysia), BEc(Mal)

\*Study Leave

DEPARTMENT OF DEVELOPMENT STUDIES

**Head:** V.G.R Chandran A/L Govindaraju, PhD (Mal), M.Env.Econ. (UKM),  
B.A (UKM)

**Adjunct Professor:**

YBhg. Tan Sri Datuk Dr. Kamal Mat Salih, PhD, MA(Pennsylvania), BA (Monash)

**Professor**

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

**Associate Professor**

V.G.R Chandran A/L Govindaraju, PhD (Mal), M.Env.Econ. (UKM), BA(UKM)  
Baskaran Angathevar, DPhil (Sussex), MSc (Middlesex), MPhil (JNU),  
M.A (Punjab), M.A (Madurai)

**Senior Lecturer**

Azmah Hj. Othman, PhD (Mal), MPhil(Wales), MSc(Wales), BEc(Mal)  
Sharifah Muhaifah Shahabudin, PhD(Mal), MSc(UiTM), BA(Cant.)  
Muhammad Mehedi Masud, PhD (Mal), MSS, BSS (IIUM)

**Lecturer**

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

DEPARTMENT OF ADMINISTRATIVE & POLITICS

**Head:** Yeoh Kok Kheng, PhD (Brad), MEc (Mal), BEc (Mal)

**Professor**

Datuk Norma Mansor, PhD(Liv), MPA(Liv), BEc(Mal)

Edmund Terence Gomez, PhD(Mal), MPhil(Mal), BA(Mal)

**Associate Professor**

Datin Sabitha Marican, PhD(SciUMalaysia), MPA(Pitts), BSc(Pitts)

Beh Loo See, PhD (PutraUMalaysia), MA (NUMalaysia), BA (SciUMalaysia)

Makmor Tumin, PhD (Mal), MPA (Mal), BEc (Mal)

Raja Noriza Raja Ariffin, PhD(Nottingham), MCRP(CSUF), BA(USL)

Yeoh Kok Kheng, PhD (Bradford), MEc(Mal), BEc (Mal)

**Senior Lecturer**

Kuppusamy Singaravelloo, PhD (Putra UMalaysia), MPA (Mal), BSc (Mal)

Muhammad Asri Mohd Ali, PhD (Mal), MPA (Mal), BEc(Mal)

Nawi Abdullah, MPA (Mal), BEc(Mal)

Hanira Hanafi, PhD (Durham), MCL, LLB (IIUM)

Nurhidayah Abdullah, PhD (Sydney), M.C.L, LL.B (IIUM), Advocate & Solicitor of High Court of Malaya (Non-practicing)

**SLAB/SLAI**

Agkillah N Maniam, MPA (Mal), BScForr (UPM)

Maria Mohd Ismail, MPA (Mal), BEc (UiTM)

## DEPARTMENT OF APPLIED STATISTICS

**Head:** Ng Sor Tho, PhD (PutraUMalaysia), MEc, BEc(Mal)

**Professor**

Goh Kim Leng, PhD (Monash), MEc, BEc(Mal)

Noor Azina Ismail, PhD (QUT), MStats, BSc (UNSW)

**Associate Professor**

Rohana Jani, PhD(Macq), MSc(WVirginia), BSc(Ohio)

**Senior Lecturer**

Ng Sor Tho, PhD (PutraUMalaysia), MEc, BEc(Mal)

Lau Wee Yeap, PhD (Osaka), MFE (NUS), MAppStats(Mal), MEc (Osaka), MAcc(CSU),  
BSocSc(Hons)(SciUMalaysia)

Muzalwana Abdul Talib, PhD(Mal), MAppStats (Mal), BA(Hons)(Sheffield Hallam)

Ahmad Farid Osman, PhD(Monash), MSc, BAppSc(SciUMalaysia)

#Tan Pei Pei, PhD(Monash), MAppStats, BEc(Mal)

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

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

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

**Research Fellow**

Tey Nai Peng, PhD(Mal), MSc(Michigan), BEc(Mal)

**SLAB/SLAI**

\* Diana Abdul Wahab, MAppStats (Mal), BDecSc (NorthUMalaysia)

\* Asmida Mustafa, BScStats (UiTM)

\* Hannuun Eadiela Yaacob, MAppStats (Mal), BSc (Matematik Industri) (UTM)

\*Study Leave

# Unpaid leave till August 2019

## EXTERNAL EXAMINER

### **MASTER OF ECONOMICS, MASTER OF APPLIED STATISTICS & MASTER OF DEVELOPMENT STUDIES**

1. PROFESSOR DR. CHARLES HIRSCHMAN  
Sociology Department  
Box 353340  
University of Washington  
Seattle, WA 98195-3340
2. PROFESSOR DR. RAHUL MUKERJEE  
Indian Institute of Management Calcutta  
Joka, Diamond Harbour Road  
Kolkata 700 104, INDIA
3. PROFESSOR FRANCES STEWART  
Development (Queen Elizabeth House)  
University of Oxford  
3 Mansfield Road  
Oxford OX1 3TB
4. PROFESSOR A.N. PETTITT  
Queensland University of Technology (QUT)  
Science and Engineering Faculty,  
2 George Street, Brisbane QLD 4000, Australia

### **MASTER OF PUBLIC ADMINISTRATION**

1. PROFESSOR DR. EVAN M. BERMAN  
National Chengchi University  
College of Social Sciences/ International Affairs Office  
General Building of College, 12th Floor North Wing, 64 Sec. 2, Zhinan Road  
(Wenshan District) Taipei, 11605  
Taiwan
2. PROFESSOR DR. JUERGEN RUELAND  
Professor Chair of  
Political Science and Administration  
Department of Political Science and Administration  
University of Freiburg  
Rempartstr 15  
79085 Freiburg  
GERMANY
3. PROFESSOR DR. WILLIAM CLAYTON ADAMS  
Professor of Public Policy and Public Administration  
George Washington University  
Washington, DC20052  
United States

# 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**



# MASTER OF ECONOMICS

## Programme Goal and Programme Learning Outcomes

### Master of Economics (MEc)

#### **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. (PO1)
- (2) Develop high qualitative, quantitative and ICT skills to assess economic problems. (PO2)
- (3) Relate theory to current social issues and the ecosystem. (PO3)
- (4) Practice ethical and professional values in tasks. (PO4)
- (5) Master communication, teamwork and leadership skills effectively. (PO5)
- (6) Solve economic problems using scientific skills. (PO6)
- (7) Integrate information management with life long learning skills. (PO7)

**COURSES OFFERED FOR THE PROGRAMME OF  
MASTER OF ECONOMICS (BY COURSEWORK)  
FOR ACADEMIC SESSION 2017/2018**

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

**And at least twelfth (12) credit hours 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.



## COURSE PRO FORMA

### EQX 7001 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 Methods	Continuous Assessment : 70% Final Examination : 30%
Main Reference	(1) Ethridge, Don (2004). <i>Research Methodology in Applied Economics</i> . 2d ed. Oxford: Blackwell. (2) Bryman, Alan (2004). <i>Social Research Methods</i> . 2d ed. Oxford: Oxford University Press. (3) Scheaffer, Richard L., Mendenhall, William III, Ott, R. Lyman and Gerow, Kenneth G (2012). <i>Survey Sampling</i> . 7 <sup>th</sup> ed. Cengage Learning. (4) Babbie, Earl (2014). <i>The Basics of Social Research</i> . 6 <sup>th</sup> ed. Belmont, CA: Wadsworth.

### EQA 7002 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 Methods	<b>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. Total mark is 100%.</b>

**EQA 7003 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 Methods	Continuous Assessment : 50% Examination : 50%
Main Reference	(1) Wetzstein, M. (2013). Microeconomic Theory: Concepts and Connections 2 <sup>nd</sup> edition. Routledge. (2) Varian, H.R. (1992). Microeconomics Analysis, 3 <sup>rd</sup> ed., W.W. Norton & Co., New York. (3) Mas-Colell, A., Winston, M.D., Green, J.R., (1995). Microeconomic Theory. Oxford University Press, UK.

**EQA 7004 ADVANCED MACROECONOMICS**

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 Methods	Continuous Assessment : 50% Final Examination : 50%
Main Reference	(1) Romer, D. (2001) Advanced Macroeconomics. Second Edition. New York, McGraw Hill. (2) Blanchard, O. and Fisher, S. (1989) Lectures on Macroeconomics. Cambridge, Mass:MIT (3) Romer, David (2012) Advanced Macroeconomics. New York. MacGraw Hill

**EQA 7005 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 Methods	Continuous Assessment : 100% Final Examination: -
Main Reference	(1) Rasiah, R. (ed.). 2011. Malaysian Economy: Unfolding Growth and Social Change. Kuala Lumpur: Oxford University Press. (2) E.T Gomez et al (eds) 2013 The New Economic Policy in Malaysia, Affirmative Action, Ethnic Inequalities and Social justice, SIRD (3) Jomo K Sundaram & Wee Chong Hui, 2014. Malaysia @ 50 Economic Development, Distribution, Disparities, Strategic Information and Research Development Centre, Petaling jaya, Malaysia (4) World Bank, Dec 2013 Malaysia Economic Monitor High Performing Education, The World Bank (5) World Bank, April 2011 Malaysia Economic Monitor, Brain Drain, The World Bank (6) World Bank June 2013 Malaysia Economic Monitor Harnessing Natural Resources, The World Bank

**EQA 7006 ECONOMIC DEVELOPMENT AND PLANNING**

Learning Outcomes	At the end of this course, students are able to:  (1) Explain the concepts and meaning of economic growth and economic development; (2) Analyse the major theories of economic development; (3) Compare the structure and characteristics of developing countries; and (4) 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 Methods	Continuous Assessment : 50% Final Examination : 50%
Main Reference	<p>(1) Michael .P. Todaro &amp; Stephen C. Smith, <i>Economic Development</i>.9<sup>th</sup> edition Pearson Addison-Wesley,2006.</p> <p>(2) Dwight H, Perkins, Steven Radelet &amp; David L.Lindauer, <i>Economics of Development</i>.6<sup>th</sup> editon, 2006,Norton &amp; Company Inc.</p> <p>(3) Greg Buckman, <i>Global Trade,Past Mistakes,future choices</i>,Fernwood Publishing Ltd.Halifax,Nova Scotia,Zed Books,London &amp;New York, 2005</p> <p>(4) Galbraith, James K. "Inequality and Stability" Oxford University Press, 2012</p> <p>(5) Faaland, Just, Jack Parkinsan and Saniman Rais. "Growth and Ethic Inequality, Kuala Lumpur: Utusan Publication, 2010.</p> <p>(6) Milanovic,Branko. " Global Income Inequality: What it is and why it Matters." In <i>Flat World, Big Gaps: Economic Liberalization, Globalisation, Poverty and Inequality</i>, Jomo K..S.and Jacques Baudot eds. New York: United Nations Publication, 2007.</p>

#### EQA 7007 APPLIED MACROECONOMICS

Learning Outcomes	<p>At the end of the course, students are able to:</p> <p>(1) Comparing macroeconomic thinking and fundamental evolution to policy making;</p> <p>(2) Analysing macro and financial instabilities in times of economic shocks;</p> <p>(3) Examine mainstream policy issues related to modern macroeconomic problems.</p>
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 <i>applied macroeconomics</i> is analytically reviewed and macroeconomic instabilities are explored. Finally, policy issues related to modern macroeconomic problems are discussed.
Assessment Methods	Continuous Assessment : 50% Final Examination : 50%
Main Reference	<p>(1) Olivier Blanchard, <i>Macroeconomics</i>, 6<sup>th</sup> Edition, Addison Wesley Longman.</p> <p>(2) The Financial Crisis Inquiry Report, 2011</p> <p>(3) Sheng, Andrew, 2009. <i>From Asian to Global Financial Crisis</i>, Cambridge University Press.</p> <p>(4) Walter Enders, 2004. <i>Applied Econometrics Time Series</i>, Wiley, 2<sup>nd</sup> Edition.</p> <p>(5) Damodar Gujarati, 2003. <i>Basic Econometrics</i>, McGraw-Hill, International Edition.</p>

**EQA 7008 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 Methods	Continuous Assessment : 50% Final Examination : 50%
Main Reference	(1) McKinnon, R.I., Money and Capital in Economic Development, Brookings Institution, 1973. (2) Beim, D.O. & C.W.Calomiris, Emerging Financial Markets, Irwin/McGraw-Hill, 2000. (3) McKinnon, R.I., The East Asian Exchange Rate Dilemma, Stanford University, August 2001. (4) Romer, D., Advanced Macroeconomics, McGraw-Hill, 1996. (5) Scott, R.H., Money, Financial Markets and the Economy, Prentice-Hall, 1995. (6) Mishkin, F.S. The Economics of Money, Banking and Financial Markets, Pearson, Tenth Edition, 2013.

**EQA 7009 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 Methods	Continuous Assessment : 50% Final Examination : 50%
Main Reference	<p>(1) Hindriks, Jean and Gareth D. Myles (2013), <i>Intermediate Public Economics</i>, Cambridge, Massachusetts: MIT Press.</p> <p>(2) Myles, G.D. 1995. <i>Public Economics</i>. Cambridge: Cambridge University Press.</p> <p>(3) Hassan, B. (ed.) 2000. <i>The Economics of Public Spending: Debts, Deficits and Economic Performance</i>. Cheltenham: Edward Elgar.</p> <p>(4) Musgrave, R.A. 1999. <i>Public Finance in a Democratic Society Vol. III: The Foundations of Taxation and Expenditure</i>. Cheltenham: Edward Elgar.</p> <p>(5) Bird, R. and Vaillancourt, F. (eds) 1999. <i>Fiscal Decentralisation in Developing Countries</i>. Cambridge University Press.</p> <p>(6) Breton, A. 1998. <i>Competitive Governments: An Economic Theory of Politics and Public Finance</i>. Cambridge University Press.</p> <p>(7) Oates, W.E. (ed.) 1998. <i>The Economics of Fiscal Federalism and Local Finance</i>. Cheltenham: Edward Elgar.</p> <p>(8) Wildasin, D.E. (ed.) 1997. <i>Fiscal Aspects of Evolving Federations</i>. Cambridge University Press.</p> <p>(9) Ahmad, E. (ed.) 1997. <i>Financing Decentralized Expenditures: An International Comparison of Grants</i>. Cheltenham: Edward Elgar.</p> <p>(10) Gramlich, E.M. 1997. <i>Financing Federal Systems</i>. Cheltenham: Edward Elgar.</p>

### EQA 7010 INTERNATIONAL TRADE AND ENVIRONMENT

Learning Outcomes	<p>At the end of this course, students are able to:</p> <p>(1) Analyse the relationship between environmental issues /problem and trade.</p> <p>(2) Examine how international agencies developed major trade – environment agreement and its implementation ; and</p> <p>(3) Evaluate critically trade–environmental policies in the wider context of the global economics system.</p>
Synopsis of Course Contents	<p>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.</p>
Assessment Methods	Continuous Assessment : 50% Final Examination : 50%

Main Reference	<p>(1) Najam, A; Halle, M and Ortix, M.R. Trade and Environment: A Resource Book. IISd Publications. 2013</p> <p>(2) Brack,. D., (eds), <i>Trade and Environment: Conflict or Compatibility</i>, Island Press.2010.</p> <p>(3) Copeland, M., and Taylor, S., Trade and the Environment: Theory and Evidence, Princeton University Press, 2013</p> <p>(4) Harris, J, Trade and Environment, GDAE, Tufts Univesity Press, 2008.</p> <p>(5) Kellenber, D. An empirical Investigation of the Pollution Haven Effect With Startegic Environment and Trade Policy, Jouranl of International Economics, Volume 18: 2. 2009. Pp 242-255</p> <p>(6) Kearsley, A and Riddel, M. A further Inquiry into the Pollution Haven Hyphothesis and The Environmental Kuznets Curve, Ecological Economics, Volume 69:4, 2010. Pp 905-919.</p>
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### EQA 7011 ISLAMIC BANKING AND FINANCE

Learning Outcomes	<p>At the end of the course, students are able to:</p> <p>(1) Apply the underlying concepts and principles of Islamic banking and finance;</p> <p>(2) Analyze differences between the Islamic and the conventional financial systems; and</p> <p>(3) Argue issues and policies pertaining to the development of Islamic banking and finance in theory and practice.</p>
Synopsis of Course Contents	<p>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 <i>riba</i>, Islamic contracts of exchange, Islamic banking in theory and practice, Islamic insurance (<i>tearful</i>), Islamic money market, Islamic equity market, Islamic derivatives (sukuk) and regulatory issues.</p>
Assessment Methods	<p>Continuous Assessment : 50%</p> <p>Final Examination : 50%</p>
Main Reference	<p>(1) Abdul Ghaffar Ismail (2010) Money, Islamic Banks and the Real Economy, Cengage Learning: Singapore</p> <p>(2) Kamal Khir, Lakesh Gupta &amp; Bala Shanmugam (2008), <i>Islamic Banking: A Practical Perspective</i>, Pearson Longman Malaysia</p> <p>(3) Mohd Daud Bakar, Engku Rabiah Adawiah Engku Ali (2008) <i>Essential Readings in Islamic Finance</i>, CERT Publications, Kuala Lumpur Malaysia</p> <p>(4) Muhammad Ayub (2007) <i>Understanding Islamic Finance</i>, John Wiley, England</p> <p>(5) Karim, Adiwarman A (2005) Islamic Banking: Fiqh and Financial Analysis, PT Rajagrafindo Persada Jakarta</p>

**EQA 7012 ISSUES IN ECONOMIC ANALYSIS**

Learning Outcomes	At the end of the course, the students are able to: (1) Debate critically contemporary economic issues that are of interest to society; (2) Evaluate issues of related public policy; and (3) Generate the implication of a wide range of economic issues
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, inter-dependency 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 Methods	Continuous Assessment : 50% Examination : 50%
Main Reference	<ol style="list-style-type: none"> <li>(1) Brock, William A and Durlauf, Steven N (2000). Growth Economics and Reality, <i>NBER Working Paper Series</i> 8041, pp. 1-52.</li> <li>(2) Ruttan, Vernon W (1998). The New Growth Theory and Development Economics: A Survey. <i>Journal of Development Studies</i>, 35(2), pp. 1-26.</li> <li>(3) McLean, Ian (2004). Australian Economic Growth in Historical Perspective, School of Economics Working Paper 2004-01, University of Adelaide, pp.1-30.</li> <li>(4) Sala-i-Martin, Xavier (2002). 15 Year of New Growth Economics: What Have We Learnt? <i>Working Papers Central Bank of Chile</i> 172, pp.1-20.</li> <li>(5) Rosin, Odelia (2008). The Economic Causes of Obesity: A Survey, <i>Journal of Economic Surveys</i>, 22(4), pp 617-647.</li> <li>(6) Vulkan, Nir (1999). Economic Implications of Agent Technology and E-Commerce, <i>The Economic Journal</i>, 109 (Feb), F67-90.</li> <li>(7) Birke, Daniel (2009). The Economics of Networks: A Survey of the Empirical Literature, <i>Journal of Economic Surveys</i>, 23(4), pp 762-793.</li> <li>(8) Kose, M Ayhan, Prasad, E, Rogoff, K&amp; Wei Shang-Jin (2006). Financial Globalization – A Reappraisal, <i>NBER Working Paper</i> 12484, pp. 1-91.</li> <li>(9) Prasad, E., Rogoff, K., Wei Shang-Jin&amp;Kose, M Ayhan(2003). Effects of Financial Globalization on Developing Countries, <i>IMF Occasional Paper</i> 220, pp. 1-86.</li> <li>(10) Cooper, Richard N (2006). Living with Global Imbalances: A Contrarian View, <i>Journal of Policy Modeling</i>, 28, pp. 615-627.</li> <li>(11) Chinn, MD(2013). <i>Global Imbalances</i>, Chapter 5 in “The Evidence and Impact of Financial Globalization”, Elsevier, pp 67-79.</li> <li>(12) Galati, Gabriele, &amp; Moessner, Richhild (2013). MacroPrudential Policy – A Literature Review. <i>Journal of</i></li> </ol>

	<p><i>Economic Surveys</i>, 27(5), pp. 846-878.</p> <p>(13) La Porta R, Florence Lopez-de-Silanes, SA, &amp; Vishny, RW (1998) Law &amp; Finance, <i>Journal of Political Economy</i>, 106 (6), pp 1113- 1155.</p> <p>(14) Claessens, Stijn &amp; Fan, Joseph PH (2002). Corporate Governance in Asia: A Survey. <i>International Review of Finance</i>, 3(2), pp. 71-103.</p> <p>(15) Xu, Guangdong (2011). The Role of Law in Economic Growth: A Literature Review, <i>Journal of Economics Surveys</i>, 25(5), pp. 833-871.</p> <p>(16) Hassan AFM, Salim R &amp; Bloch H (2011). Population Age Structure, Saving, Capital Flows and the Real Exchange Rate: A Survey of the Literature. <i>Journal of Economic Surveys</i>, 25(4), pp. 708-736.</p> <p>(17) Thomas, Ashok &amp; Spataro, Luca (2014). The Effects of Pension Funds on Markets Performance: A Review. <i>Journal of Economic Surveys</i>, 00(0), pp. 1-33.</p> <p>(18) Cai, Yong &amp; Cheng, Yuan (2014). Pension Reform in China: Challenges and Opportunities. <i>Journal of Economic Surveys</i>, 28(4), pp. 636-651.</p>
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### EQA 7013 ADVANCED INTERNATIONAL TRADE

Learning Outcomes	<p>At the end of this course, the students are able to:</p> <p>(1) Adapt basic theory to recent advances in international trade.</p> <p>(2) Analyze international trade issues.</p> <p>(3) Debate critically on various policy questions pertaining to international trade.</p>
Synopsis of Course Contents	<p>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.</p>
Assessment Methods	<p>Continuous Assessment : 50%</p> <p>Final Examination : 50%</p>
Main Reference	<p>(1) Krugman, P.R. and Obstfeld, M. (2012). <i>International Economics – Theory and Policy</i> (9<sup>th</sup> ed.), Pearson Addison Wesley.</p> <p>(2) Feenstra, R. C. (2004). <i>Advanced International Trade: Theory and Evidence</i>, Princeton University Press.</p> <p>(3) Yarbrough, B.V. and Yarbrough, B.V. (2006). <i>The World Economy: Trade and Finance</i> (7<sup>th</sup> ed.), Thomson South-Western.</p> <p>(4) Cheng, L.K. and Kierzkowski, H. (eds.) (2001). <i>Global Production and Trade in East Asia</i>, Springer.</p> <p>(5) Copeland, B.R. and Taylor, M.S. (2005). <i>Trade and the Environment: Theory and Evidence</i>, Princeton University Press.</p>

**EQA 7014 URBAN ECONOMICS**

Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) Explain descriptively and theoretically the existence and growth of urban areas.</li> <li>(2) Analyze the spatial structure of cities using locational choice theories.</li> <li>(3) Apply economic theories to explain social issues related to urbanization.</li> <li>(4) Critically evaluate urban public policies.</li> </ol>
Synopsis of Course Contents	<p>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.</p>
Assessment Methods	<p>Continuous Assessment: 50% Final Examination: 50%</p>
Main Reference	<ol style="list-style-type: none"> <li>(1) Glaeser, E.L., 2008. Cities, Agglomeration, and Spatial Equilibrium. Oxford University Press.</li> <li>(2) Mills, E.S., Hamilton, B.W., 1994. Urban Economics 5th edition. Harper Collins College Publisher.</li> <li>(3) Arnott, R.J., McMillen, D.P., 2006. A Companion to Urban Economics. Blackwell Publishing.</li> <li>(4) Brueckner, J.K., 2011. Lectures in Urban Economics. The MIT Press.</li> <li>(5) O'Sullivan, A., 2009. Urban Economics. McGrawHill.</li> </ol>

**EQA 7015 SOCIAL PROTECTION**

Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) Analyse the role of social policy &amp; social protection schemes in addressing risk and economic uncertainties;</li> <li>(2) Examine developments and reforms in the national and international social protection systems;</li> <li>(3) Relate social security to the labour market issues and financial planning; and</li> <li>(4) Evaluate the social protection framework in Malaysia</li> </ol>
Synopsis of Course Contents	<p>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</p>
Assessment Methods	<p>Continuous Assessment : 50% Final Examination : 50%</p>

Main Reference	<p>(1) Michael Cichon, et al (2004), "Financing Social Protection", International Labour Organisation.</p> <p>(2) Gerry Rodgers et al (2009) "<i>The International Labour Organization and the quest for social justice, 1919-2009</i>", International Labour Office.</p> <p>(3) David Blake (2006), "Pension Economics", John Wiley &amp; Sons, England.</p> <p>(4) The World Development Report 2013 : Jobs (2012). The World Bank.</p> <p>(5) Nathalie Morel, Bruno Palier and Joakim Palme (2012), "Towards a Social Investment Welfare State? Ideas Policies and Challenges", Policy Press and Chicago.</p>
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## Grading Scheme for the Programme of Master of Economics For Academic Session 2017/2018

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

### Pass Grade

\*\*The pass grades for all core courses including Research paper are at least Grade B and above.

\*The pass grades for all optional course are at least Grade B and above, or Grade B-, C+ and C if the CGPA is 3.0 or above for the semester in which the course is taken.

**LIST COURSES BASE ON SEMESTER (GRADUATE ON TIME)**  
**MASTER OF ECONOMICS**

COMPONENT	SEMESTER 1		SEMESTER 2		SPECIAL SEMESTER		TOTAL CREDIT HOURS
	Subject	Credit Hours	Subject	Credit Hours	Subject	Credit Hours	
<b>Core Course</b>	EQX 7001 EQA 7003 EQA 7004	4 4 4	EQC7005 EQA7005	4 4	Research Project	10	30
<b>Optional Course</b>	Choose any one (1) elective courses (3 Credit Hours)	3	Choose any three (3) elective courses (9 Credit Hours)	9			12
<b>Total Credit Hours</b>		<b>15</b>		<b>17</b>		<b>10</b>	<b>42</b>

**TOTAL CREDIT HOURS: 42 Credit Hours**



# MASTER OF PUBLIC ADMINISTRATION

## Programme Goal and Learning Outcomes

### Master of Public Administration (MPA)

#### 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. (PO1)
- (2) Integrate theories, management and ICT skill in analysing issues in politics and administration. (PO2)
- (3) Inculcate a sense of social responsibility as an administrator. (PO3)
- (4) Practise ethical and professional values in addressing issues relating to public administration. (PO4)
- (5) Develop communication and leadership skills in managing organizations. (PO5)
- (6) Apply problem-solving skills and techniques of decision-making in organizations. (PO6)
- (7) Utilise information management skills and demonstrate capacity for life long learning. (PO7)

**COURSES OFFERED FOR THE PROGRAMME OF  
MASTER OF PUBLIC ADMINISTRATION (BY COURSEWORK)  
FOR ACADEMIC SESSION 2017/2018**

Code	Course	Credit Hours	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			
EQB7003	Public Administration and Politics	4	2 hours	60	40
EQB7004	Management Theory and Practice	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 hours 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.



## COURSE PRO FORMA

### EQB7001 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 Methods	Continuous Assessment :100%
Main Reference	(1) Sekaran, Uma and Bougie, Roger (2013), Research Methods for Business: A Skill Building Approach, 6th ed., New York: John Wiley & Sons. (2) Babbie, E. (2007), The Practice of Social Research, 11th ed. Belmont: Wadsworth Publishing Co. (3) Saunders et al. (2007), Research Methods for Business Students, 4th ed., Harlow: Prentice Hall. (4) Neuman, W. Lawrence (2014), Social Research Methods: Qualitative and Quantitative Approaches, 7th ed., Harlow: Pearson Education Limited.

### EQB7002 RESEARCH PROJECT

Learning Outcomes	At the end of the course, students are able to:  (1) Determine a suitable topic for problem, objective and background of research; (2) Integrate information from the relevant literature and design a research framework; (3) Apply the right methodology in collecting required data; (4) Analyze the information/ data collected; and (5) Producing written research reports.
Synopsis of Course Contents	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.
Assessment Methods	100% Research Project

**EQB7003 PUBLIC ADMINISTRATION AND POLITICS**

Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) Relate the key theories and concepts in the field of public administration and politics;</li> <li>(2) Analyse contemporary issues in public administration and politics, comparative public administration and good governance; and</li> <li>(3) Propose practice of public administration and evaluation of political systems.</li> </ol>
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 Methods	<p>Continuous Assessment : 60%</p> <p>Final Exam: 40 %</p>
Main Reference	<ol style="list-style-type: none"> <li>(1) Starling, Grover, 2011, <i>Managing The Public Sector</i> (9th ed.), Wadsworth, Boston.</li> <li>(2) Stillman, Richard J., 2010, <i>Public Administration: Concepts and Cases</i> (9th ed.), Wadsworth, Boston.</li> <li>(3) Shafritz Jay M. &amp; Hyde Albert, 1997, <i>Classic of Public Administration</i>, Harcourt Brace College Publisher, Forth Worth.</li> </ol>

**EQB7004 MANAGEMENT THEORY AND PRACTICE**

Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) Interpret the concept of management and integrate the skills associated with management from a historical perspective.</li> <li>(2) Analyse the difficulties faced by managers; and</li> <li>(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.</li> </ol>
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 Methods	<p>Continuous Assessment :60%</p> <p>Final Examination :40%</p>
Main Reference	<ol style="list-style-type: none"> <li>(1) G.A Cole and Phill Kelly (2011), <i>Management Theory and Practice 7<sup>th</sup> edition</i>, Cengage, London.</li> <li>(2) Abdullah Sanusi et.al (2003) <i>The Malaysian</i></li> </ol>

	<p><i>Bureaucracy</i>, K.L Pearson Prentice Hall.</p> <p>(3) Shafritz, J.M and Ott, J.S (2001) <i>Classics of Organization Theory</i>, 5<sup>th</sup>., Florida: Harcourt Brace &amp; Co.</p> <p>(4) Daft, R.L (2001) <i>Essentials of Organization Theory and Design 2<sup>nd</sup> Edition</i>, Ohio US; South Western College Publishing</p> <p>(5) Denhardt, R (2000) <i>Theories of Public Organisation</i>, 3<sup>rd</sup> Ed. Orlando: Harcourt Brace &amp; Co.</p> <p>(6) Gortner, H.F; Mahler, J and Nicholson, J.B (1997) <i>Organization Theory: A Public Perspective</i>, Florida US: Harcourt Brace.</p> <p>(7) Flynn, N. (1990) <i>Public Sector Management</i>, New York: Harvester Wheatsheaf.</p>
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**EQB7005 PUBLIC POLICY ANALYSIS**

Learning Outcomes	<p>At the end of the course, students will be able to:</p> <p>(1) Apply the theories involving the developmental state and neoliberalism;</p> <p>(2) Identify governance and policy planning methods and implementation of key policies in East Asia and Malaysia; and</p> <p>(3) Apply theories different governance forms and developmental policies in East Asia.</p>
Synopsis of Course Contents	<p>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.</p>
Assessment Methods	<p>Continuous Assessment : 55%</p> <p>Final Exam: 45 %</p>
Main Reference	<p>(1) Gomez, E.T. and J. Saravanamuttu (eds). (2013). <i>The New Economic Policy in Malaysia: Affirmative Action, Horizontal Inequalities and Social Justice</i>. Singapore: National University of Singapore Press.</p> <p>(2) Tarling, N. and E.T. Gomez (eds). (2008). <i>The State, Development, and Identity in Multi-Ethnic Societies: Ethnicity, Equity and the Nation</i>, London: Routledge</p> <p>(3) David Harvey. 2005. <i>A Brief History of Neoliberalism</i>. Oxford: Oxford University Press.</p> <p>(4) Woo-Cumings, M. (1999). <i>The Developmental State</i>. Ithaca: Cornell University Press.</p> <p>(5) Artikel-artikel dalam jurnal antarabangsa</p>

**EQB7006 FISCAL ADMINISTRATION**

Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) Examine the contemporary issues in fiscal administration especially in developing countries;</li> <li>(2) Analyze the government budgetary process from the economic and political economy perspectives;</li> <li>(3) Analysis of issues related to fiscal federalism and fiscal administration in a multi-level system of government; and</li> <li>(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.</li> </ol>
Synopsis of Course Contents	<p>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.</p>
Assessment Methods	<p>Continuous Assessment :50% Final Examination :50%</p>
Main Reference	<ol style="list-style-type: none"> <li>(1) Mikesell, John L. (2011), <i>Fiscal Administration: Analysis and Application for the Public Sector</i>, 8 ed., Boston: Wadsworth.</li> <li>(2) Premchand, (1983), <i>Government Budgeting and Expenditure Controls: Theory and Practice</i>, IMF.</li> <li>(3) Weiss, J., (1995), <i>Economy Policy in Developing Countries: The Reform Agenda</i>, Prentice Hall.</li> <li>(4) Waynes, N., (1997), <i>The Economic of Developing Countries</i>, Prentice Hall.</li> </ol>

**EQB7007 ADMINISTRATIVE BEHAVIOUR**

Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) Interpretation of theories, principles and concepts applicable to the study of Administrative Behavior.</li> <li>(2) Evaluate how the study of organisational behaviour can assist us in improving managerial processes and practices;</li> <li>(3) Critically evaluate models and theories explored throughout the module and demonstrate reflexivity and analytical skills which will support their managerial development; and</li> <li>(4) Demonstrate competence in critical reasoning and decision-making.</li> </ol>
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Synopsis of Course Contents	<p>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.</p> <p>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.</p>
Assessment Methods	<p>Continuous Assessment : 60%</p> <p>Final Exam: 40 %</p>
Main Reference	<p>(1) Administrative Behavior, 4th Edition Paperback – March 1, 1997by Herbert A. Simon (Author) ISBN-13: 978-0684835822 ISBN-10: 0684835827 4th Edition.</p> <p>(2) The New Faces of Organizations in the 21st Century: A Management, Volume 2 By Mohammad Ali Sarlak, NAISIT Publishers,2011</p> <p>(3) Handbook of Industrial, Work &amp; Organizational Psychology: Volume 2: Organizational Psychology, Neil Anderson, Deniz S Ones, Handan Kepir Sinangil, Chockalingam Viswesvaran SAGE, Oct 19, 2001</p>

#### **EQB7008 HUMAN RESOURCE MANAGEMENT**

Learning Outcomes	<p>At the end of the course, students are able to:</p> <p>(1) Identify how the organization can gain sustainable competitive advantage through human resource;</p> <p>(2) Examine the changing role and function of human resource manager; and</p> <p>(3) Assess how human resource affects employees, the organization and community and the larger society.</p>
Synopsis of Course Contents	<p>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.</p>
Assessment Methods	<p>Continuous Assessment : 60%</p> <p>Final Exam: 40 %</p>



Main Reference	<p>(1) Paynes E. J. ( 2013). Human resource Management for Public and Non Profit Organization: A strategic Approach. John Wiley &amp; Sons.</p> <p>(2) Mottochio , J.J. ( 2012). Research in Personnel and Human Resource . Emerald Publishing Group.</p> <p>(3) Gomez-Meija, et al, (2007). Managing Human Resource. NewJersey: Pearson Education</p> <p>(4) Randall S.Schuler “Managing Human Resource” Cincinnati, Ohio, 9th ed, 2006.</p> <p>(5) Bohlander, Snell and Sherman,: Managing Human Resource, South –Western College Publishing, 14th ed, 2006.</p> <p>(6) Mondy &amp; Noe (2005). Human Resource Management. New Jersey: Pearson Education Ltd.</p>
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### EQB7009 QUALITY MANAGEMENT

Learning Outcomes	<p>At the end of the course, students are able to:</p> <p>(1) Examine the concepts and philosophy of Quality, Quality Management and Total Quality Management;</p> <p>(2) Appraise models, approaches and techniques of quality management; and</p> <p>(3) Interpret other aspects of quality management and achievements in organizations.</p>
Synopsis of Course Contents	<p>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.</p>
Assessment Methods	<p>Continuous Assessment : 60%</p> <p>Final Exam: 40 %</p>
Main Reference	<p>(1) David L. Goetsch, Stanley Davis (2015). Quality Management for Organizational Excellence: Introduction to Total Quality. Prentice Hall</p> <p>(2) Dale H. Besterfield, et. al. (2011).Total Quality Management. Pearson Education India.</p> <p>(3) Oakland, John S. (1994) Total Quality Management, 2nd ed. Oxford:Butterworth</p> <p>(4) Clement, Richard Barret, (1993). Quality Manager's Complete Guide to ISO 9000. Englewood Clift, New Jersey: Prentice-Hall.</p> <p>(5) Sud and Nima Ingle, (1983), Quality Circles in the Service Industries, Englewood Clift, New Jersey: Prentice-Hall</p> <p>(6) Nemoto, Masao, (1987), Total Quality Control for Management, Englewood Clift, New Jersey: Prentice Hall</p>

**EQB7010 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 Methods	Continuous Assessment : 50% Final Exam: 50 %
Main Reference	(1) Andaya, Barbara and Leonard, 2001, A History of Malaysia, 2nd ed. Hampshire: Palgrave. (2) Crouch, Harold, 1996, Government & Society in Malaysia, St. Leonards, NSW, Australia: Allen & Unwin. (3) Noor, Farish A, 2003, Islam Embedded: The Historical Development of Pan-Malaysian Islamic Party (PAS) 1951-2003, Malaysian Sociological Research Institute MSRI, Kuala Lumpur. (4) Ooi, Kee Beng, 2006, Era of Transition: Malaysia after Mahathir, Singapore: Institute of Southeast Asian Studies. (5) Puthuchear, Mavis and Norani Othman, eds., 2005, Elections and Democracy in Malaysia, Bangi, Malaysia: Penerbit Universiti Kebangsaan Malaysia. (6) Welsh, Bridget and Chin, James U.H, eds., 2013, Awakening: The Abdullah Badawi Years in Malaysia, SIRD: Petaling Jaya. (7) Yusoff, Anis Y. ed., 2011, Shamsul A.B.: His Observations, Analyses and Thoughts, Institute of Ethnic Studies (KITA), Universiti Kebangsaan Malaysia.

**EQB7011 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 Methods	Continuous Assessment : 50% Final Exam: 50 %
Main Reference	<ol style="list-style-type: none"> <li>(1) Sorensen, A. Okata, J. (ed.) (2010). Megacities [electronic resource]: Urban Form, Governance, and Sustainability. Springerlink.</li> <li>(2) Hall, P. (1992). Urban and regional planning (3rd ed.). London: Routledge</li> <li>(3) Mulley, C. (ed.) (2012). Urban form and transport accessibility. Northampton, MA: Edward Elgar.</li> <li>(4) Van Bueren, E. Van Bohemen, H., Itard, L. &amp; Visscher, H. (ed.) (2012). Sustainable Urban Environments [electronic resource]: An Ecosystem Approach. SpringerLink.</li> <li>(5) Contal, M.H. &amp; Revedin, J. (2009). Sustainable design: towards a new ethic in architecture and town planning. Boston, MA: Birkhaeuser.</li> <li>(6) So, Frank S. (2000). The Practice of Local Government Planning, International City/County Management Associate, California</li> </ol>

### EQB7012 SOCIAL POLICY AND DEVELOPMENT

Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol style="list-style-type: none"> <li>(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;</li> <li>(2) Appraise the inter-relationship between theoretical approaches to development of social policies in overcoming social problems ;and</li> <li>(3) Formulate social policy planning and development in relation to different social, economic and political contexts.</li> </ol>
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 Methods	Continuous Assessment : 60% Final Exam: 40 %
Main Reference	<ol style="list-style-type: none"> <li>(1) Jillian, A.J. , Pastzor,E.M., Chambers,R.M. ( 2014) Social Policy and Social Change: Towards creation of social and economic justice. John Wiley &amp; Sons.</li> <li>(2) Cahpin. R. (2014)Social Policy for Effective Practice : A</li> </ol>

	<p>strengths Approach. Pearsons</p> <p>(3) Titmuss, R. M. (2007). Social Policy: An Introduction. London: George Allen &amp; Unwin Ltd</p> <p>(4) Dobelstein, A.W. (2003). Social Welfare: Policy and Analysis. Singapore: Thomson Learning.</p> <p>(5) Spicker, P (1995). Social Policy: Themes and Approaches: Harlow, England: Prentice Hall Limited.</p>
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### EQB7013 PLANNING AND COMMUNITY DEVELOPMENT

Learning Outcomes	<p>At the end of the course, students are able to:</p> <p>(1) Identify issues and strategies in planning and community development;</p> <p>(2) Relate the concept of planning and community development to social, economic, and political forces that shape the environment; and</p> <p>(3) Translate the values and ethics of professional practice in decision making process.</p>
Synopsis of Course Contents	<p>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.</p>
Assessment Methods	<p>Continuous Assessment : 50%</p> <p>Final Exam: 50%</p>
Main Reference	<p>(1) Robinson, J. W and Green, G.P. 2011. Introduction to Community Development: Theory, Practice, and Service-Learning, SAGE Publications, Thousand Oaks</p> <p>(2) Green, Gary P. and Haines, Anna L. 2011. Asset Building &amp; Community Development (3rd Ed.) SAGE Publications, Thousand Oaks.</p> <p>(3) Devas, N., Amis, P, et al. 2006. Urban Governance, Voice, and Poverty in the Developing World, Earthscan, London</p> <p>(4) Hall, P.G. 1988. Cities of tomorrow : an intellectual history of urban planning and design in the twentieth century, Blackwell</p> <p>(5) So, Frank S. 2000. The Practice of Local Government Planning, International City/County Management Associate, California</p> <p>(6) Levy, John M., 2011. Contemporary Urban Planning, Longman.</p>

**EQB7014 POLITICAL COMMUNICATION AND THE MEDIA**

Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) Explain the relationship between media and politics by using different models of media systems;</li> <li>(2) Make a critical analysis of the nature of relationship between media and politics and its impact on the political system and media; and</li> <li>(3) Provide students who are more responsive and responsible in handling any issue related to politics and the media.</li> </ol>
Synopsis of Course Contents	<p>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.</p>
Assessment Methods	<p>Continuous assesment : 60% Final Exam: 40%</p>
Main Reference	<ol style="list-style-type: none"> <li>(1) Bai, Matt. 2007. <i>The Argument: Billionaires, Bloggers, and the Battle to Remake Democratic Politics</i>. Penguin Press.</li> <li>(2) Baum, Matthew A. and Phil Gussin. 2008. "In the Eye of the Beholder:How Information Shortcuts Shape Individual Perceptions of Bias in theMedia." <i>Quarterly Journal of Political Science</i> 3:1: 1-31.</li> <li>(3) Gilboa, Eytan. 2005. "The CNN Effect: The Search for a Communication Theory of International Relations," <i>Political Communication</i>, Vol. 22: 27-44.</li> <li>(4) Gladstone, Brooke and Josh Neufeld. 2011. <i>The Influencing Machine: Brooke Gladstone on the Media</i>. Norton and Company.</li> <li>(5) Graber, Doris A. 2000 (ed.), <i>Media Power in Politics</i>, 4th Edition. Washington D.C.: Congressional Quarterly Press.</li> <li>(6) Jamieson, Kathleen Hall. 1992. <i>Dirty Politics. Deception, Distraction, and Democracy</i>. Oxford University Press.</li> <li>(7) Rozell, J. M. 2003. <i>Media Power, Media Politics</i>. Rowman and Littlefield Publishers, Inc.</li> <li>(8) Norrander, Barbara and Clyde Wilcox. 2002 (ed). <i>Understanding Public Opinion</i>. Washington D.C.: Congressional Quarterly Press.</li> </ol>

**Grading Scheme for the Programme of  
Master of Public Administration  
For Academic Session 2017/2018**

<b>Marks</b>	<b>Grade</b>	<b>Grade Point</b>	<b>Meaning</b>
80-100	A	4.0	Distinction
75-79	A-	3.7	Distinction
70-74	B+	3.3	Pass**
65-69	B	3.0	Pass**
60-64	B-	2.7	Conditional Pass*
55-59	C+	2.3	Conditional Pass*
50-54	C	2.0	Conditional Pass*
45-49	C-	1.7	Fail
40-44	D+	1.5	Fail
35-39	D	1.0	Fail
< 35	F	0	Fail

**Pass Grade**

\*\*The pass grades for all core courses including Research paper are at least Grade B and above.

\*The pass grades for all optional course are at least Grade B and above, or Grade B-, C+ and C if the CGPA is 3.0 or above for the semester in which the course is taken.

**LIST COURSES BASE ON SEMESTER (GRADUATE ON TIME)**  
**MASTER OF PUBLIC ADMINISTRATION**

COMPONENT	SEMESTER 1		SEMESTER 2		SPECIAL SEMESTER		TOTAL CREDIT HOURS
	Subject	Credit Hours	Subject	Credit Hours	Subject	Credit Hours	
<b>Core Course</b>	EQB7001 EQB7003 EQB7004	4 4 4	EQB7005 EQB7006	4 4	Research Project	10	30
<b>Optional Course</b>	Choose any two (2) elective courses (6 Credit Hours)	6	Choose any two (2) elective courses (6 Credit Hours)	6			12
<b>Total Credit Hours</b>		<b>18</b>		<b>14</b>		<b>10</b>	<b>42</b>

**TOTAL CREDIT HOURS: 42 Credit Hours**

# MASTER OF APPLIED STATISTICS



## Programme Goal and Learning Outcomes

### Masters of Applied Statistics (MAppStats)

#### 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 (PO1)
- (2) To integrate the skill sets in data collection, analysis and interpretation (PO2)
- (3) To build, test and validate the models (PO3)
- (4) To practise ethical and professionalism in research and dissemination of information (PO4)
- (5) To practise cooperative learning in applying the statistical methods for data in various discipline and to present the data analysis effectively (PO5)
- (6) To interpret, use and evaluate various quantitative techniques in decision making and problem solving (PO6)
- (7) To synthesize the information from various sources in managing the real world problem and life long learning (PO7)

**COURSES OFFERED FOR THE PROGRAMME OF  
MASTER OF APPLIED STATISTICS (BY COURSEWORK)  
FOR ACADEMIC SESSION 2017/2018**

Code	Course	Credit Hours	Duration of Examination	Distribution of Marks	
				% Continuous Assessment	% Final Examination
<b>CORE COURSES</b>					
EQC 7001	Quantitative Research Methods	4	3 hours	50	50
EQC 7002	Research Project	10			
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.



## COURSE PRO FORMA

### EQC 7001 QUANTITATIVE RESEARCH METHODS

Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) Demonstrate a sound understanding of the research process and research methodology;</li> <li>(2) Collect primary data using appropriate data collection and sampling methods;</li> <li>(3) Analyze primary and secondary data and draw conclusion; and</li> <li>(4) Demonstrate skills in effective writing and communication</li> </ol>
Synopsis of Course Contents	<p>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.</p>
Assessment Methods	<p>Continuous Assessment: 50% Final Examination: 50%</p>
Main Reference	<ol style="list-style-type: none"> <li>(1) Earl Babbie, <i>The Practice of Social Research</i>, 12<sup>th</sup> edition, Wadsworth/Thompson Learning, 2010.</li> <li>(2) W. Lawrence Neuman, <i>Social Research Methods</i>, 4<sup>th</sup> edition, Allyn and Bacon, 2000.</li> <li>(3) Zikmund, W.G., <i>Business Research Methods</i>, 6<sup>th</sup> edition, The Dryden Press, 2004.</li> <li>(4) Scheaffer, R.L., Mendenhall, W. and Ott, L., <i>Elementary Survey Sampling</i>, 5<sup>th</sup> edition, Duxbury Press, 2007.</li> <li>(5) Tryfos, P., <i>Sampling Methods for Applied Research</i>, John Wiley &amp; Sons Inc., 1996.</li> <li>(6) US Bureau of the Census. 2006. Training Manual on Sample Design for Surveys (uploaded in Spectrum).</li> <li>(7) United Nations, Household Sample Surveys in Developing and Transition Countries, Series F, No. 96, Department of Economics and Social Affairs, Statistics Division, UN, New York, 2005</li> </ol>

### EQC 7002 RESEARCH PROJECT

Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) Identify a research question;</li> <li>(2) Integrate information from the relevant literature;</li> <li>(3) Design a research framework;</li> <li>(4) Analyze the information/data collected using statistical techniques and appropriate software;</li> <li>(5) Determine the significance and implications of research findings;</li> <li>(6) Adopt ethical practices in the conduct of research; and</li> <li>(7) Write a research report.</li> </ol>
Synopsis of Course Contents	<p>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</p>

	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 Methods	100% Research Project

**EQC 7003 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 Methods	Continuous Assessment: 50% Final Examination: 50%
Main Reference	(1) D.D. Wackerly, W. Mendenhall, R.L. Scheaffer. 'Mathematical statistics with Applications', 7th ed. Duxbury, 2008. (2) J.L. Devore, K.N. Berk, 'Mathematical Statistics with Applications', 2nd ed. Springer, 2012. (3) W.L. Carlson and B Thorne. 'Applied Statistical Methods for Business, Economics and the Social Sciences, Prentice Hall, 1997.

**EQC 7004 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 Methods	Continuous Assessment : 50% Final Examination : 50%

Main Reference	<p>(1) Hair, J.F, Anderson, R.E., Tatham, R.L. &amp; Black, W.C. (1995): <i>Multivariate data Analysis with Readings</i>, 4<sup>th</sup> Edt., Prentice Hall</p> <p>(2) Hair, Black, Babin, Anderson, Tatham (2009): <i>Multivariate data Analysis</i>, 7<sup>th</sup> Edt., Prentice Hall</p> <p>(3) Klienbaum, D.G., Kupper, L.L. and Muller, K.E. (1988): <i>Applied Regression Analysis and Other Multivariate Methods</i>. Boston: PWS-Kent.</p> <p>(4) Berenson, M.L, Levine, D.M and Szabat K.A.: (2014): International Edition <i>Basic Business Statistics, Concepts &amp; Applications</i>, 13<sup>th</sup> Edt., Prentice Hall</p>
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### EQC 7005 APPLIED ECONOMETRICS

Learning Outcomes	<p>At the end of the course, students are able to:</p> <p>(1) Apply regression analysis for quantifying economic relationships;</p> <p>(2) Construct models in a manner suitable for econometric testing;</p> <p>(3) Appraise the adequacy of regression models estimated using econometric software;</p> <p>(4) Draw valid conclusions from the results of estimation and hypothesis-testing;</p> <p>(5) Present the output of econometric analysis effectively.</p>
Synopsis of Course Contents	<p>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.</p>
Assessment Methods	<p>Continuous Assessment: 50%</p> <p>Final Examination: 50%</p>
Main Reference	<p>(1) D. Gujarati and D.C. Porter, <i>Basic Econometrics</i>, 5<sup>th</sup> ed., McGraw-Hill, 2009.</p> <p>(2) J. Wooldridge, <i>Introductory Econometrics</i>, 5<sup>th</sup> ed., Thomson. 2013.</p> <p>(3) D. Gujarati, <i>Essential of Econometrics</i>, 4<sup>th</sup> ed., McGraw-Hill, 2009.</p> <p>(4) D. Asteriou and S.G. Hall, <i>Applied Econometrics</i>, 2<sup>nd</sup> ed., Palgrave, 2011</p> <p>(5) W.H. Greene, <i>Econometric Analysis</i>, 7<sup>th</sup> ed., Prentice Hall, 2011.</p>

**EQC 7006 TIME SERIES ANALYSIS**

Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) Describe graphically and quantitatively the patterns in time series data;</li> <li>(2) Develop forecasting models that incorporate correlated error structures;</li> <li>(3) Compare the forecasting performance of the different models developed for a given set of data; and</li> <li>(4) Explain the results arising from the application of time series analysis in various fields.</li> </ol>
Synopsis of Course Contents	<p>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.</p>
Assessment Methods	<p>Continuous Assessment: 50% Final Examination: 50%</p>
Main Reference	<ol style="list-style-type: none"> <li>(1) Deibold F.X., Elements of Forecasting, 4<sup>th</sup> Edition, South-Western, Thomson Learning, 2007.</li> <li>(2) Shumway, Robert H, David S. Stoffer. Time Series Analysis and Its Applications. With R Examples. Third Edition. New York: Springer, 2011.</li> <li>(3) Hyndman, R. J. &amp; Athanasopoulos, G. Forecasting: principles and practice. OTexts.org, 2013. <a href="https://www.otexts.org/fpp">https://www.otexts.org/fpp</a></li> <li>(4) Makridakis, S., S.C. Wheelwright and Hyndman. Methods &amp; Applications, New York: Wiley, 1998.</li> </ol>

**EQC 7007 COMPUTER INFORMATION SYSTEMS**

Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) Describe developmental issues in computer hardware, software, and data resource management technologies;</li> <li>(2) Identify business problems and opportunities that can benefit from the application of information technology;</li> <li>(3) Demonstrate the use of programming language in solving business-related problems;</li> <li>(4) Analyse case studies using computer applications.</li> </ol>
Synopsis of Course Contents	<p>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.</p>
Assessment Methods	<p>Continuous Assessment: 50% Final Examination: 50%</p>

Main Reference	<p>(1) Kenneth C. Laudon and Jane P. Laudon (2012), Management Information Systems: Managing the Digital Firm, Person Education Limited.</p> <p>(2) Alain F. Zuur et al. (2009), A Beginner's Guide to R, Springer.</p> <p>(3) Michael J. Crawley (2007), The R Book, Wiley.</p>
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**EQC 7008 EXPERIMENTAL DESIGN**

Learning Outcomes	<p>At the end of the course, students are able to:</p> <p>(1) Apply the basic principles in designing experiments;</p> <p>(2) Implement an appropriate experimental design;</p> <p>(3) Conduct the experiment with ethical consideration; and</p> <p>(4) Perform the results of experiments for decision making.</p>
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	<p>Continuous Assessment: 50%</p> <p>Final Examination: 50%</p>
Main Reference	<p>(1) Montgomery, Douglas C. Design and Analysis of Experiments. 8<sup>th</sup> Edition, John Wiley &amp; Sons, Inc., 2012.</p> <p>(2) Berger, P.D. and Maurer, R.E. Experimental Design with Applications in Management, Engineering, and the Sciences. Duxbury Press, 2002.</p>

**EQC 7009 BIOSTATISTICS**

Learning Outcomes	<p>At the end of this course, students are able to:</p> <p>(1) Apply techniques that are appropriate for analyzing categorical data;</p> <p>(2) Apply techniques that are appropriate for analyzing the time to the occurrence of an event;</p> <p>(3) Explain the results arising from the application of these techniques in medicine and social science.</p>
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	<p>Continuous Assessment: 50%</p> <p>Final Examination: 50%</p>
Main Reference	<p>(1) McNeil D, Epidemiological Research Methods. Wiley, 1996.</p> <p>(2) Hosmer D. W. and Lemeshow S, <i>Applied Logistic Regression</i>. Wiley, 3<sup>rd</sup> Edition, 2013.</p> <p>(3) Hosmer D. W. And Lemeshow S, <i>Applied Survival Analysis: Regression Modeling of Time to Event Data</i>. 2<sup>nd</sup> Edt. Wiley, 2008.</p> <p>(4) Cox DR, <i>Analysis of Binary Data</i>. Chapman and Hall, 1994.</p> <p>(5) Johnson RE and Johnson NL, <i>Survival Models and Data Analysis</i>. Wiley, 1999.</p> <p>(6) Rosner B, Fundamentals of Biostatistics. Duxbury, 5<sup>th</sup></p>

	<p>Edition, 2000.</p> <p>(7) Pagano M and Gauvreau K., <i>Principles of Statistics</i>. Duxbury, 2<sup>nd</sup> Edition, 2000.</p> <p>(8) Venables W. N. and Ripley B. D., <i>Modern Applied Statistics with S</i>. Springer-Verlag New York, 4<sup>th</sup> Edition, 2002.</p>
<b>EQC 7010 ACTUARIAL STATISTICS</b>	
Learning Outcomes	<p>At the end of this course, the students are able to:</p> <ol style="list-style-type: none"> <li>(1) Identify the fundamental of actuarial statistics with its standard notation;</li> <li>(2) Apply actuarial statistical techniques in solving relevance problems;</li> <li>(3) Evaluate findings in suggesting the best option for specific actuarial problems.</li> </ol>
Synopsis of Course Contents	<p>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.</p>
Assessment	<p>Continuous Assessment : 50%</p> <p>Final Examination : 50%</p>
Main Reference	<ol style="list-style-type: none"> <li>(1) Bowers, N.L., Gerber, H.U., Hickman, J.C., Jones, D.A., and Nesbitt, C.J. (1997). <i>Actuarial Mathematics</i>. (2<sup>nd</sup> ed.). Society of Actuaries.</li> <li>(2) Kellison, S.G. (2008). <i>Theory of Interest</i>. (3<sup>rd</sup> ed.). McGraw- Hill / Irwin.</li> <li>(3) Stuart A. Klugman (Author), Harry H. Panjer (Author), Gordon E. Willmot. (2013). <i>Loss Models: From Data to Decisions</i>. (4th ed.)Wiley.</li> </ol>
<b>EQC 7011 APPLICATIONS OF DEMOGRAPHIC TECHNIQUES</b>	
Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) Explain the importance and basic concepts of demography;</li> <li>(2) Analyse demographic and population-related socioeconomic indicators;</li> <li>(3) Apply demographic techniques in different fields;</li> <li>(4) Explain the inter-relationships between population dynamics and socioeconomic and business development; and</li> </ol>
Synopsis of Course Contents	<p>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.</p> <p>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.</p>



Assessment	Continuous Assessment: 50% Final Examination: 50%
Main Reference	(1) United Nations, Household Sample Surveys in Developing and Transition Countries, Series F, No. 96, Department of Economics and Social Affairs, Statistics Division, UN, New York, 2005. (2) Earl Babbie, <i>The Practice of Social Research</i> , 12 <sup>th</sup> edition, Wadsworth/Thompson Learning, 2010. (3) W. Lawrence Neuman, <i>Social Research Methods</i> , 4 <sup>th</sup> edition, Allyn and Bacon, 2000. (4) Zikmund, W.G., <i>Business Research Methods</i> , 6 <sup>th</sup> edition, The Dryden Press, 2004. (5) Scheaffer, R.L., Mendenhall, W. and Ott, L., <i>Elementary Survey Sampling</i> , 5 <sup>th</sup> edition, Duxbury Press, 2007. (6) Tryfos, P., <i>Sampling Methods for Applied Research</i> , John Wiley & Sons Inc., 1996. (7) US Bureau of the Census. 2006. Training Manual on Sample Design for Surveys (uploaded in Spectrum) (8) United Nations. 2005. Designing Household Survey Samples: Practical Guidelines (uploaded in Spectrum)

### EQC 7012 MARKETING RESEARCH TECHNIQUES

Learning Outcomes	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	Continuous Assessment: 60% Final Examination: 40%
Main References :	(1) Malhotra, N. 2010, Marketing Research: An Applied Orientation, 6 <sup>th</sup> Edition, Prentice Hall. (2) Zikmund, W.G. & Babin, B.J. 2010, Exploring Marketing Research, South-Western College Publication. (3) Churchill, G.A. & Iacobucci, D. 2010, Marketing Research Methodological Foundations (with Infotrac), 10th Edition, South-Western College Publication.

**EQC7013 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	Continuous Assessment : 50% Final Examination : 50%
Main Reference	(1) Andersen, D.R., Sweeney, D.J., Williams, T.A. and Martin, K. (2011). <i>An Introduction to Management Science: Quantitative Approaches to Decision Making</i> . 13 <sup>th</sup> ed., South-Western. (2) Hillier, F. S., and Hillier, M.S. (2010). <i>Introduction to Management Science: A Modelling and Case Study Approach with Spreadsheets</i> , 4 <sup>nd</sup> . ed., McGraw-Hill.

**EQC 7014 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	Continuous Assessment: 50% Final Examination: 50%

Main Reference	<ol style="list-style-type: none"> <li>(1) Brooks, C. 2014. Introductory Econometrics for Finance, 3<sup>rd</sup> edition. Cambridge University Press.</li> <li>(2) Canova, F. 2007. Methods for Applied Macroeconomic Research, Princeton University Press.</li> <li>(3) Kok, K.L. and Goh K.L. 1995. Malaysian Securities Market: Indicator, Risk, Return, Efficiency and Inter-market Dependence, Pelanduk Publications.</li> <li>(4) Enders, W. 2009. Applied Econometric Time Series, 3<sup>rd</sup> ed. John Wiley</li> <li>(5) Campbell, J., Lo, A.W. and MacKinlay, A.C. 1997. The Econometrics of Financial Markets, Princeton University Press.</li> <li>(6) J.D. Hamilton, Time Series Analysis, Princeton University Press, 1994.</li> <li>(7) Tan, H.B. and Hooi, C.W. 2005. Understanding the Behaviour of the Malaysian Stock Market, UPM Press.</li> </ol>
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### EQC 7015 READINGS IN APPLIED STATISTICS

Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) Discuss the strong theoretical underpinnings in studying a statistical problem of interest;</li> <li>(2) Study the application of different statistical methods in solving a statistical problem of interest;</li> <li>(3) Synthesize the information from the relevant literature for examining a statistical problem of interest; and</li> <li>(4) Prepare the project paper in a timely manner.</li> </ol>
Synopsis of Course Contents	<p>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.</p>
Assessment	Continuous Assessment : 100%
Main Reference	<ol style="list-style-type: none"> <li>(1) Cooper, Harris. <i>Synthesizing Research: A Guide for Literature Reviews</i>, 3<sup>rd</sup> ed. (<i>Applied Social Research Methods Series</i>, v. 2) Thousand Oaks, Calif: Sage Publications, 1998.</li> <li>(2) Galvan, Jose L. <i>Writing Literature Reviews: A Guide for Students of the Social and Behavioral Sciences</i>. 6<sup>th</sup> ed, Los Angeles, CA: Pyrczak, 2014.</li> </ol>

### EQC 7016 STATISTICAL METHODS FOR QUALITY MANAGEMENT

Learning Outcomes	<p>At the end of this course, the students are able to:</p> <ol style="list-style-type: none"> <li>(1) Explain role of statistical methodology in quality management in field of social science;</li> <li>(2) Apply various statistical tools and techniques in</li> </ol>
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	<p>describing quality characteristics;</p> <p>(3) Evaluate statistical results in solving quality related problem; and</p> <p>(4) Communicate findings effectively</p>
Synopsis of Course Contents	<p>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.</p>
Assessment	<p>Continuous Assessment: 60%</p> <p>Final Examination: 40%</p>
Main Reference	<p>(1)Montgomery, D.C. (2012), <i>Introduction to Statistical Quality Control</i>. John Wiley &amp; Sons Inc. 7<sup>th</sup> Edition.</p> <p>(2)Evans, J. R., &amp; Lindsay, W. M. (2010). <i>The Management and Control of Quality</i>. South-Western Cengage Learning. 8<sup>th</sup> Ed.</p> <p>(3)Ryan, T. P. (2011). <i>Statistical Methods for Quality Improvement</i> John Wiley &amp; Sons Inc. 3<sup>th</sup> Edition.</p> <p>(4)Yang, K., &amp; Trewen, J. (2004). <i>Multivariate Statistical Methods in Quality Management</i>. New York: McGraw Hill.</p>

## Grading Scheme for the Programme of Master of Applied Statistics For Admission Session 2017/2018

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

### Pass Grade

\*\*The pass grades for all core courses including Research paper are at least Grade B and above.

\*The pass grades for all optional course are at least Grade B and above, or Grade B-, C+ and C if the CGPA is 3.0 or above for the semester in which the course is taken.

**LIST COURSES BASE ON SEMESTER (GRADUATE ON TIME)  
MASTER OF APPLIED STATISTICS**

COMPONENT	SEMESTER 1		SEMESTER 2		SPECIAL SEMESTER		TOTAL CREDIT HOURS
	SUBJECT	CREDIT HOURS	SUBJECT	CREDIT HOURS	SUBJECT	CREDIT HOURS	
<b>Core Course</b>	EQC7001 EQC7003	4 4	EQC7004 EQC7005	4 4	Research Project	10	26
<b>Optional Course</b>	Choose two (2) courses (6 credit hours)	6	Choose three (3) courses (10 credit hours)	10			16
<b>Total Credit Hours</b>		<b>14</b>		<b>18</b>		<b>10</b>	<b>42</b>

**TOTAL CREDIT HOURS: 42 credit hours**

# MASTER OF DEVELOPMENT STUDIES

## Programme Goal and Programme Learning Outcomes

### Master of Development Studies (MDS)

#### **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.



**COURSES OFFERED FOR THE PROGRAMME OF  
MASTER OF DEVELOPMENT STUDIES  
(BY COURSEWORK)  
FOR ACADEMIC SESSION 2017/2018**

Code	Course	Credit Hours	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	-	-	-
EQD7003	Development Theory and Practice	4	2 hours	60	40
EQD7004	Globalization and Development	4	2 hours	60	40
<b>ELECTIVE COURSES (A+B)</b>					
<b>(A) At least nine (9) credit hours of the following optional courses:</b>					
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
<b>(B) Not more than nine (9) credit hours of the following optional courses:</b>					
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.

**COURSE PRO FORMA****EQD 7002 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	The Research Paper is examined by the Supervisor(s) and an appointed Examiner. The marks given by the Supervisor(s) and Examiner carry equal weight. Total mark is 100%.
Main Reference	(1) Judith Bell and Stephen Waters (2014) <i>Doing Your Research Project: A Guide for First-Time Researchers</i> , Open University Press; 6 edition. (2) John W. Creswell, (2002) <i>Research Design: Qualitative, Quantitative, and Mixed Methods Approaches</i> SAGE Publications, Inc (3) Mark N.K. Saunders, Philip Lewis, Adrian Thornhill (2012) <i>Research Methods for Business Students</i> , Pearson, 6th Edition

**EQD 7003 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	Continuous Assessment : 60% Final Examination : 40%
Main Reference	(1) Todaro and Smith (2010). <i>Economic Development</i> (12 <sup>th</sup> ed.), Essex: Pearson, Addison Wesley. (2) Jomo KS and Ben Fine (2006). <i>The New Development Economics After the Washington Consensus</i> , London: Zed Books. (3) Dowling and Valenzuela (2004). <i>Economic Development in Asia</i> , Singapore: Thomson Learning.

**EQD 7004 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 inter-disciplinary 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	Continuous Assessment : 60% Final Examination : 40%
Main Reference	(1) UNCTAD (2016) <i>Development and Globalization: Facts and Figures</i> , Geneva: United Nations Conference for Trade and Development (UNCTAD). (2) Reinert, E. (2008) <i>How the Rich Countries Got Rich ... and Why Poor Countries Stay Poor</i> , London: Anthem Press. (3) Oyeyinka O.B and Rasiah, R. (2010) <i>Uneven paths to Development</i> , Cheltenham: Edward Elgar. (4) Page, J. and Tarp, F. (eds) (2017) <i>The Practice of Industrial Policy</i> , Oxford: Oxford University Press. (5) Rasiah, R. and Smidt J.D. (eds) (2009) <i>The New Political Economy of Southeast Asia</i> , Cheltenham: Edward Elgar. (6) Krugman, Paul (2009) <i>The Return of Depression Economics and the Crisis of 2008</i> , New York: W.W. Norton and Company. (7) Mathews, John (2014) <i>Greening of Capitalism: How Asia is Driving the New Great Transformation</i> , Stanford: Stanford University Press.

**EQD 7005 POVERTY AND INEQUALITY**

Learning Outcomes	<p>At the end of this course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) identify concepts of poverty and inequality</li> <li>(2) analyse problems and issues related to poverty and inequality, particularly for developing countries</li> <li>(3) propose policies for alleviating poverty, reducing inequality and fostering more inclusive development.</li> </ol>
Synopsis of Course Contents	<p>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.</p>
Assessment	<p>Continuous Assessment : 70% Final Examination : 30%</p>
Main Reference	<ol style="list-style-type: none"> <li>(1) Banerjee, Abhijit and Esther Duflo (2007) "The economic lives of the poor" <i>Journal of Economic Perspectives</i> 21(1): 141-168.</li> <li>(2) UN Department of Economic and Social Affairs (2010) <i>Rethinking Poverty: Report on the World Social Situation</i>. New York: UN.</li> <li>(3) Hulme, David and Andrew Shepherd (2003) "Conceptualizing chronic poverty" <i>World Development</i> 31(3): 403–423.</li> <li>(4) UNCTAD (United Nations Conference on Trade and Development) (2012) <i>Trade and Development Report 2012: Policies for Inclusive and Balanced Growth</i>. Geneva: UNCTAD.</li> <li>(5) Sutcliffe, Bob (2004) "World inequality and globalization" <i>Oxford Review of Economic Policy</i> 20(1): 15-37.</li> <li>(6) Asian Development Bank (ADB) (2012) <i>Asian Development Outlook 2012: Confronting Rising Inequality in Asia</i>. Manila: ADB.</li> <li>(7) Bräutigam, Deborah (2004) "The People's Budget? Politics, Participation and Pro-poor Policy" <i>Development Policy Review</i> 22 (6): 653-668.</li> </ol>

**EQD 7006 SUSTAINABLE DEVELOPMENT AND ENVIRONMENTAL MANAGEMENT**

Learning Outcomes	<p>At the end of this course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) Explain the relationship between sustainable development and the environment.</li> <li>(2) Assess how sustainable development and environmental management is affected by economic, social and political Institutions.</li> <li>(3) Compare the cost benefit impact of environment in the environment policy assessment.</li> <li>(4) Suggest solution to environmental management policies and programmes.</li> </ol>
Synopsis of Course Contents	<p>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.</p>
Assessment	<p>Continuous Assessment : 70%</p> <p>Final Examination : 30%</p>
Main Reference	<ol style="list-style-type: none"> <li>(1) Tietenberg, T (2014), Environmental, and Natural Resources Economics, 10<sup>th</sup> ed, Prentice Hall, New Jersey.</li> <li>(2) Peter P. Rogers, Kazi F. Jalal, John A. Boyd (2012) An Introduction to Sustainable Development, Routledge.</li> <li>(3) Barry C. Field and Martha K. Field (2013) Environmental Economics: An Introduction, McGraw-Hill; 6th Revised edition.</li> <li>(4) Lesser, Jonathan A., D.E Dodds and R.O Zerbe, Jr. (1997), Environmental Economics and Policy, Addison-Wesley Educational Publishers Inc. USA.</li> <li>(5) Baumol, Williams and Wallace Oates (1988), The Theory of Environmental Policy, 2<sup>nd</sup> ed, Cambridge, University Press, New York.</li> <li>(6) Pearce, D.W. and R. K. Turner (1990), Economics of Natural Resources and The Environment, Harvest</li> </ol>

	Wheatsheath Publisher, Hertfordshire, U.K. (7) Hossay, Patrick (2006), <i>Unsustainable: A Primer for Global Environmental and Social Justice</i> , Zed Books, London.
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### EQD 7007 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	Continuous Assessment : 70% Final Examination : 30%
Main Reference	(1) Naudé, Wim (Editor) (2011), <i>Entrepreneurship and Economic Development</i> , Palgrave Macmillan. (2) Parker, Simon C. (2009), <i>The Economics of Entrepreneurship</i> , Cambridge University Press. (3) Szirmai, Adam, Naude, Wim, Goedhuys, Micheline (2011), <i>Entrepreneurship, Innovation, and Economic Development</i> , Oxford University Press. (4) Dana, Leo-Paul (2014), <i>Asian Models of Entrepreneurship - From the Indian Union and the Kingdom of Nepal to the Japanese Archipelago: Context, Policy and Practice</i> (Second Edition) (Asia-Pacific Business, Volume 9), World Scientific Publishing Company. (5) Keohane, Georgia Levenson (2013), <i>Social Entrepreneurship for the 21st Century: Innovation Across the Nonprofit, Private, and Public Sectors</i> , McGraw-Hill. (6) Guillén, Mauro F. (Editor) (2013), <i>Women Entrepreneurs: Inspiring Stories from Emerging Economies and Developing Countries</i> , Routledge. (7) Williams, Sara, (2015), <i>The Financial Times Guide to Business Start Up 2015</i> , FT Publishing, Pearson. (8) Blackwell, Edward, (2011), <i>How to Prepare a Business</i>

	<p><i>Plan</i>, Kogan Page, The Sunday Times.</p> <p>(9) Stutely, Richard, (2007), <i>The Definitive Business Plan: The fast track to intelligent business planning for executives and entrepreneurs</i>, Prentice Hall, FT.</p>
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### EQD 7008 INSTITUTIONS, INDUSTRIAL DEVELOPMENT AND ECONOMIC GROWTH

Learning Outcomes	<p>At the end of this course, students are able to:</p> <p>(1) Explain the concept of institutions, industrial development and the growth theories</p> <p>(2) Identify how institutions explain industrial development and growth</p> <p>(3) Compare the issues of institutional, industrial development and growth in different countries</p> <p>(4) Interpret relevant case studies in understanding the complex relationship between institution, industrial development and economic growth</p>
Synopsis of Course Contents	<p>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.</p>
Assessment	<p>Continuous Assessment : 60%</p> <p>Final Examination : 40%</p>
Main Reference	<p>(1) Acemoglu D. &amp; Robinson J. (2012) <i>The Origins of Power, Prosperity and Poverty: Why Nations Fail</i>, Crown Publisher, New York.</p> <p>(2) Rasiah, R., Thiruchelvam K., Lee K. (2012) <i>Innovation and Learning: Experience of the Rapidly Developing East Asia</i>, Routledge, New York.</p> <p>(3) Shirley M.M. (2010) <i>Institutions and Development</i> (Advances in New Institutional Analysis series) Edward Elgar Publishing.</p> <p>(4) Rodrik, Dani (2007) <i>Institutions for High-Quality Growth in One Economics Many Recipes: Globalization, Institutions and Economic Growth</i>, Princeton: Princeton University Press</p> <p>(5) North, Douglass C. (1990) <i>Institutions, Institutional Change and Economic Performance</i>, Cambridge: Cambridge University Press.</p> <p>(6) Nelson R.R. (2005) <i>Technology, Institutions, and Economic Growth</i>, Harvard University Press</p> <p>(7) Jomo K.S. (2001) <i>Southeast Asia's Industrialization: Industrial Policy, Capabilities and Sustainability</i>, Palgrave Macmillan</p>

**EQD 7009 ECONOMICS OF EDUCATION**

Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) Review major theories of education as human and social capital;</li> <li>(2) Compare developing world experiences in economics educational development</li> <li>(3) Formulate policies and strategies to solve economics of education-related problems.</li> </ol>
Synopsis of Course Contents	<p>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.</p>
Assessment	<p>Continuous Assessment: 60% Final Examination: 40%</p>
Main Reference	<ol style="list-style-type: none"> <li>(1) Claudia Goldin and Lawrence F. Katz The Race between Education and Technology</li> <li>(2) Geraint Johnes The Economics of Education</li> <li>(3) Geraint Johnes and Jil Johnes International Handbook on the Economics of Education</li> <li>(4) Hanushek and Woessmann The Knowledge Capital of Nations</li> <li>(5) John Dewey Democracy and Education: An Introduction to the Philosophy of Education</li> <li>(6) Lant Pritchett The Re-birth of Education</li> <li>(7) How People Learn: Brain, Mind, Experience and School. National Academy Press, 2000</li> <li>(8) Banerjee, A. and Duflo, Poor Economics</li> <li>(9) Easterly, William, The Elusive Quest for Growth</li> <li>(10) Todaro and Smith (2011). Economic Development (12th ed.), Essex: Pearson, Addison Wesley.</li> <li>(11) Debraj Ray, 'Development Economics'.</li> <li>(12) Weil, D., (2005), Economic Growth, Addison-Wesley.</li> <li>(13) Thirlwall A.P., (2006), Growth &amp; Development, eighth</li> </ol>



	ed., Palgrave (14) Dreze and Sen, A. K., <i>An Uncertain Glory: India and its contradictions</i> Sen, A. K., <i>Development as Freedom</i>
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**EQD 7010 GENDER AND DEVELOPMENT ISSUES**

Learning Outcomes	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	Continuous Assessment: 60% Final Examination: 40%
Main Reference	(1) Lourdes Beneria, Gunseli Berik and Maria S. Floro, 2 <sup>nd</sup> Ed. (2016). <i>Gender, Development and Globalization: Economics as if All People Mattered</i> . New York: Taylor & Francis. (2) Nalini Visvanathan, Lynn Duggan, Laurie Nisonoff and Nan Wiegiersma. Ed. (2011). <i>The Women, Gender and Development Reader</i> . Halifax: Fernwood Publication. (3) Janet Momsen. (2010). <i>Gender and Development</i> . New York: Routledge. (4) Sarkar, Aanchal (2006). <i>Gender and development</i> . Pragun Publications. (5) Parpart, J.L, Connelly, P. M., & Barriteau, V.E. (2000). <i>Theoretical perspectives on gender and development</i> . IDRC Books. (6) Harrison, Elizabeth, Harrison, Elizabeth, Whitehead, Ann. (2009). <i>Gender Myths and Feminist Fables : The Struggle for Interpretive Power in Gender and Development</i> . Wiley-Blackwell. (7) Ester Boserup. (2007). <i>Women's role in economic development</i> . New York: Taylor & Francis.

**Grading Scheme for the Programme of  
Master of Development Studies  
For Academic Session 2017/2018**

<b>Marks</b>	<b>Grade</b>	<b>Grade Point</b>	<b>Meaning</b>
80-100	A	4.0	Distinction
75-79	A-	3.7	Distinction
70-74	B+	3.3	Pass**
65-69	B	3.0	Pass**
60-64	B-	2.7	Conditional Pass*
55-59	C+	2.3	Conditional Pass*
50-54	C	2.0	Conditional Pass*
45-49	C-	1.7	Fail
40-44	D+	1.5	Fail
35-39	D	1.0	Fail
< 35	F	0	Fail

**Pass Grade**

\*\*The pass grades for all core courses including Research paper are at least Grade B and above.

\*The pass grades for all optional course are at least Grade B and above, or Grade B-, C+ and C if the CGPA is 3.0 or above for the semester in which the course is taken.

**LIST COURSES BASE ON SEMESTER (GRADUATE ON TIME)**  
**MASTER OF DEVELOPMENT STUDIES**

COMPONENT	SEMESTER 1		SEMESTER 2		SPECIAL SEMESTER		TOTAL CREDIT HOURS
	Subject	Credit Hours	Subject	Credit Hours	Subject	Credit Hours	
<b>Core Course</b>	EQX7001 EQD7003	4 4	EQD7004 Research Project	4 6	Research Project	6	24
<b>Optional Course</b>	Choose three (3) courses (9 credit hours)	9	Choose three (3) courses (9 credit hours)	9			18
<b>Total Credit Hours</b>		<b>17</b>		<b>19</b>		<b>6</b>	<b>42</b>

**TOTAL CREDIT HOURS: 42 Credit Hours**


## PROCEDURES FOR RESEARCH PAPER (EQA7002/EQB7002/EQC7002/EQD7002)

### CONDITION

A Candidate is allowed to register for the Research Paper after completion of a minimum of fifteen (15) credit hours of courses

### Step 1

- **Submit 1 Month before Semester Start**
- (1) Application for Approval of Field of Research
- (2) Application for Appointment of Supervisor (at Postgraduate Office)

Fill-in Forms (Pink Form)   
FEP(IT)211/2017(BI)  
UM-PT01-PK02-BR002-S01  
UM-PT01-PK02-BR002-S00

### Step 2

Upon Approval, the Postgraduate Office will update in the UMISIS

### Step 3

Confirmation of Registration for the Research Paper Course

Register 10/12 credit hours

1 month in advance for Notice Submission

Submit Research Paper

3 months in advance for Notice Submission

Register 5/6 ch (1 semester)


Register 5/6 ch (2 semester)

Repeats Steps/ Processes

### Step 4

Give notice of submission for the Research Paper:

- 1 month in advance for registered 9 credit hours
- 3 month in advance for registered 4/5 Credit hours in second semester
- (2) Application for approval of Research Title (at Postgraduate Office, FEA)

Fill-in Forms (Blue Form)   
Notice of Submission  
Research Report

### FAIL TO SUBMIT

Faculty reserves the right to give Failed (F) if candidate fails to submit. No Extension will be given


### STEP 5

Pay Examination Fees. (at Bursary)

SUBMIT

### STEP 6

- Submit latest by revision week.
- Submission of three (3) copies of Research paper

Fill-in Forms (Yellow Form)   
Submission of Research  
Report for Examination

Pass with correction  
(1-3 Months)


EXAMINATION

Pass

Refer for further work  
Candidate must register and resubmit Research Paper for examination within 4-6 month

### Step 7

Submission of final copies of Research Paper after examination (at Postgraduate Office, FEA)

Fill-in Forms (Green Form)   
Final Submission for Research Paper

**DOCTOR  
OF  
PHILOSOPHY**

## **Programme Goal, Programme Educational Objectives and Learning Outcomes for the Programme of Doctor of Philosophy (PhD)**

### **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 EXPERTISE**

Economics, Development Studies, Public Administration, Politic and Applied Statistics.

## **RESEARCH AREAS IN 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.

## **RESEARCH AREAS IN APPLIED STATISTICS**

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

## **RESEARCH AREAS IN 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



## COURSE PRO FORMA

### EVX 8001 RESEARCH METHODOLOGY

Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol 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> </ol>
Synopsis of Course Contents	<p>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.</p>
Assessment	<p>Continuous Assessment: 100% Final Examination: -</p>
<p>Main References :</p> <ol style="list-style-type: none"> <li>(1) Creswell (2013). <i>Research Design</i>. 4<sup>th</sup> ed. Sage.</li> <li>(2) Denzin and Lincoln (2005). <i>The SAGE Handbook of Qualitative Research</i>. 3<sup>rd</sup> ed.: Sage</li> <li>(3) Ethridge (2004). <i>Research Methodology in Applied Economics</i>. 2<sup>nd</sup> ed. Blackwell</li> <li>(4) Neuman (2013). <i>Social Research Methods</i>. 7<sup>th</sup> ed. Pearson.</li> <li>(5) Website: <a href="http://www.socialresearchmethods.net/kb/qualapp.php">http://www.socialresearchmethods.net/kb/qualapp.php</a></li> <li>(6) Mette Baran (2016). <i>Mixed Methods Research for Improved Scientific Study</i>. IGI Global.</li> <li>(7) Linda Bloomberg &amp; Marie Volpe (2016). <i>Qualitative Dissertation: A Road Map from Beginning to End</i>, Third Edition. Sage Publication</li> </ol>	



**EVX 8002 READING COURSE**

Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) Define the scope of the reading topic;</li> <li>(2) Identify the research issues and relevant literature, including theoretical and empirical studies;</li> <li>(3) Evaluate past studies critically;</li> <li>(4) Synthesize the information in the literature; and</li> <li>(5) Relate the research issues to the literature.</li> </ol>
Synopsis of Course Contents	<p>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.</p> <p>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.</p>
Assessment	<p>Continuous Assessment: 100%</p> <p>Final Examination:</p>
<p>Main References :</p> <ol style="list-style-type: none"> <li>(1) Oiver, Paul. <i>Succeeding with Your Literature Review: A Handbook for Students</i>. Open University Press, McGraw-Hill Education, 2012.</li> <li>(2) Chong, Phillip. <i>How to Read Journal Articles in the Social Sciences: A Very Practical Guide for Students</i>, 2<sup>nd</sup> ed. Sage Publishing, 2015.</li> <li>(3) Cooper, Harris. <i>Synthesizing Research: A Guide for Literature Reviews</i>, 3rd ed. (<i>Applied Social Research Methods Series</i>, v. 2) Thousand Oaks, Calif: Sage Publications, 1998.</li> <li>(4) Galvan, Jose L. <i>Writing Literature Reviews: A Guide for Students of the Social and Behavioral Sciences</i>. Los Angeles, CA: Pyczak, 1999.</li> <li>(5) Gail Craswell &amp; Megan Poore (2012). <i>Writing for Academic Success</i>, Second Edition. Sage Publication.</li> <li>(6) Linda Bloomberg &amp; Marie Volpe (2016). <i>Qualitative Dissertation: A Road Map from Beginning to End</i>, Third Edition. Sage Publication.</li> </ol>	

**EVX 8003 PHD WORKSHOP SERIES**

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	Continuous Assessment: 100% Final Examination: -
Main References : (1) Galvan, Jose L. Writing Literature Reviews: A Guide for Students of the Social and Behavioral Sciences. Los Angeles, CA: Pyrczak, 1999. (2) Moore, Nick. How to do Research: A Practical Guide to Designing and Managing Research Projects, 3rd ed., Facet Publishing, 2006. (3) Locke, Lawrence F. Proposals That Work : A Guide for Planning Dissertations and Grant Proposals, Sage Publications, 2007. (4) Finn, John A. Getting a PhD: An Action Plan to Help Manage Your Research, Your Supervisor and Your Project, Routledge Falmer, 2005. (5) Lathrop, Ann. Guiding Students from Cheating and Plagiarism to Honesty and Integrity: Strategies for Change, Libraries Unlimited, 2005. (6) Marian Petre, The Unwritten Rules of Phd Research, Open University Press, 2010 (7) James Hayton, PhD: An uncommon guide to research, writing & PhD life, 2015. (8) Susan Smith (2015). <i>PhD by Published Work: A Practical Guide for Success</i> . Palgrave MacMillan	

**EVX 8004 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.
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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	Continuous Assessment: 100% Final Examination: -
Main References : (1) McCloskey, Donald, 1985. "Economical Writing," <i>Economic Inquiry</i> , vol. 23(2), pages 187-222, April. (2) Harris, S.R. 2014. <i>How to Critique Journal Articles in the Social Sciences</i> . SAGE Publications (3) David Dieterle (Ed.) (2017). <i>Economics: The Definitive Encyclopedia from Theory to Practice</i> , Greenwood. (4) Damien Cahill & Martijn Konings (2017). <i>Neoliberalism (Key Concepts)</i> , Polity. (5) Philip Mirowski & Edward Nik-Khah (2017). <i>The Knowledge We Have Lost in Information: The History of Information in Modern Economics</i> , Oxford University Press	

### EVX 8005 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	Continuous Assessment: 100% Final Examination: -
Main References : (1) Hunt, D. <i>Economic Theories of Development: An Analysis of Competing Paradigms</i> . Exeter: BPCC Wheatons Ltd., 1989. (2) Todaro, M. P. and Smith, S. C. <i>Economic Development</i> . Essex: Pearson Education Ltd,	

2006

- (3) Richard Peet, Elaine Hartwick, *Theories of Development: Contentions, Arguments, Alternatives*, Guilford Press, 2009
- (4) Gilbert Rist, *The History of Development: From Western Origins to Global Faith*, 4th edition Zed Books, 2014
- (5) Alain de Janvry & Elisabeth Sadoulet (2016). *Development Economics: Theory and Practice*, Routledge.
- (6) Alain de Janvry & Elisabeth Sadoulet (2016). *Development Economics: Theory and Practice*, Routledge.
- (7) Michael Todaro & Stephen Smith (2015). *Economic Development*, 10<sup>th</sup> Edition, Pearson Education.

**EVX8006 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	Continuous Assessment: 100% Final Examination: -

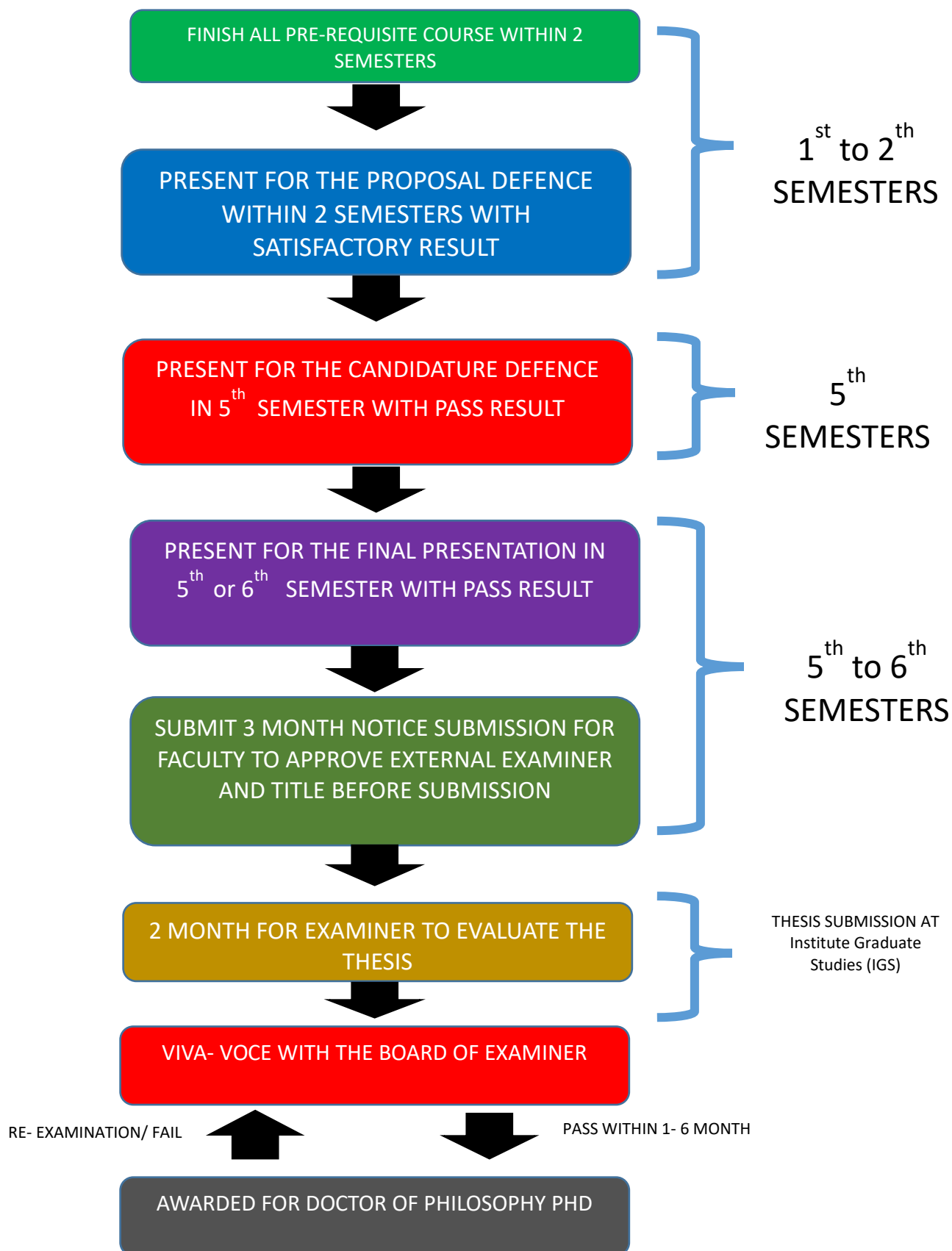
**Main References :**

- (1) Shafritz, J.M; Ott. J.S; and Yong S.K (2005). *Classics of Organization Theory*. Thomson Wadsworth.
- (2) Shafritz, J.M; Hyde, A.C and Parkes, S.J (2004). *Classics of Public Administration*. Thomson Wadsworth.
- (3) Stillman, R. J. (2000). *Public Administration: Concepts and Cases*. Boston: Houghton Mifflin Company.
- (4) Shively, Phillips (2002). *The Craft of Political Research*. Upper Saddle River, N.J.: Prentice Hall.
- (5) Almond, Gabriel A. (1989). *A Discipline Divided: Schools and Sects in Political Science*. CA: Sage Publications, Inc.
- (6) Thiele, Leslie Paul (2002). *Thinking Politics: Perspectives in Ancient, Modern and Post Modern Political Theory*. 2nd Edition. New York: Chatham House Publishers.
- (7) Lester, J.M and Stewart Jr, J.(2000). *Public policy: An Evolutionary Approach*. Wadsworth Thomson Learning.
- (8) William Johnson (2014). *Public Administration: Partnerships in Public Service*, Fifth Edition, Waveland Press.
- (9) William Dunn (2016). *Public Policy Analysis*, Fifth Edition, Routledge.
- (10) Stephen Van Evera (2015). *Guide to Methods for Students of Political Science*, E-book Edition, Cornell University Press.

**EXV8007 SPECIAL TOPICS IN STATISTICS**

Learning Outcomes	<p>At the end of the course, students are able to:</p> <ol style="list-style-type: none"> <li>(1) Interpret the statistical problem of interest that achieves a specific objective in the analysis of data;</li> <li>(2) Determine statistical methodologies that address the statistical problem of interest;</li> <li>(3) Evaluate the developments in the theoretical and empirical literature regarding the selected methodologies;</li> <li>(4) Investigate empirically the application of these methodologies; and</li> <li>(5) Evaluate critically the findings in the light of the specific objective to be achieved.</li> </ol>
Synopsis of Course Contents	<p>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.</p>
Assessment	<p>Continuous Assessment: 100%</p> <p>Final Examination: -</p>
<p>Main References :</p> <ol style="list-style-type: none"> <li>(1) Greene, W. (2012) <i>Econometric Analysis</i>, New York: Pearson Education, Inc. 7th Edition.</li> <li>(2) Johnson, R.A. and D. W. Wichern (2014) <i>Applied Multivariate Statistical Analysis</i>. London: Pearson Education Limited. 6th Edition.</li> <li>(3) Felix Abramovich &amp; Ya'acov Ritov (2013). <i>Statistical Theory: A Concise Introduction</i>, CRC Press.</li> </ol>	

## FLOW CHART PHD RESEARCH



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(as at 07 September 2017)

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8.	Dr. Kuppusamy Singaravelloo	B20	3678	kuppusamy_s@um.edu.my	PhD(Putra UMalaysia), 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>• Occupational Safety and Health</li> </ul>
9.	Mr. Nawi Abdullah	E11	3604	a.nawi@um.edu.my	MPA(Mal), BEc(Mal)	<ul style="list-style-type: none"> <li>• Management</li> <li>• Public Finance</li> <li>• Public Administration</li> </ul>
10.	Dr. Muhammad Asri Mohd Ali	B32	3722	muhasri@um.edu.my	PhD(Mal), MPA(Mal), BEc(Mal)	<ul style="list-style-type: none"> <li>• Voting Behavior</li> <li>• Political Party</li> <li>• Politics Culture</li> <li>• State-Society Relations</li> </ul>



No	Name/Position	Room No	Tel. Ext.	Email	Qualifications	Expertise
11.	Dr. Hanira Hanafi	B27	3652	hanira_hanafi@um.edu.my	PhD (Durham) MCL, LLB(IIUM),	<ul style="list-style-type: none"> <li>• Malaysian Legal System</li> <li>• Islamic Banking and finance</li> </ul>
12.	Dr. Nurhidayah Abdullah	B21	3727	abd_hidayah@um.edu.my	PhD (Sydney), MCL, LLB (IIUM), Advocate & Solicitor of High Court of Malaya (Non-practicing)	<ul style="list-style-type: none"> <li>• Contract Law</li> <li>• Business Law</li> </ul>

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## DIRECTORY OF ACADEMIC STAFF (Qualifications and Expertise)

DEPARTMENT OF APPLIED STATISTICS						
No	Name/Position	Room No	Tel. Ext.	Email	Qualifications	Expertise
1.	Dr. Ng Sor Tho ( <i>Head of Department</i> )	B24	3684/ 3747	ngst@um.edu.my	PhD(Putra UMalaysia), MEc, BEc(Mal)	<ul style="list-style-type: none"> <li>• Quantitative Analysis</li> <li>• Population Studies</li> <li>• Applied Statistics</li> <li>• Social Gerontology</li> </ul>
2.	Prof. Dr. Goh Kim Leng <i>Deputy Dean (Postgraduate)</i>	C34	3608/ 3749	klgoh@um.edu.my	PhD(Monash), MEc, BEc(Mal)	<ul style="list-style-type: none"> <li>• Econometrics</li> <li>• Financial Time Series Analysis</li> </ul>
3.	Prof. Dr. Noor Azina Ismail ( <i>Dean</i> )	C33	3638/ 3600	nazina@um.edu.my	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>
4.	Assoc. Prof. Dr. Hjh Rohana Jani	2-37	3660	rohanaj@um.edu.my/ rohanajani@gmail.com	PhD(Macq), MSc(WVirginia), BSc(Ohio)	<ul style="list-style-type: none"> <li>• Statistical Data Analysis</li> <li>• Applied Statistics</li> <li>• Multivariate Techniques</li> <li>• Market Research</li> <li>• SPSS use</li> </ul>
5.	Dr. Lau Wee Yeap	D7	3627	wylau@um.edu.my	PhD(Osaka), MFE(NUS), MAppStats(Mal), MEc(Osaka), MAcc(CSU), BSocSc(Hons)(SciUMalaysia)	<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>
6.	Dr. Muzalwana Abdul Talib	B23	3730	wana_am@um.edu.my	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>
7.	Dr. Tan Pei Pei (unpaid leave till August 2019)	-	-	peipei@um.edu.my	PhD(Monas), MAppStats, BEc (Mal)	<ul style="list-style-type: none"> <li>• Econometrics</li> <li>• Computational Statistics</li> </ul>
8.	Dr. Ahmad Farid Osman	E7	3665	faridosman@um.edu.my	PhD(Monash), MSc, BAppSc (SciUMalaysia)	<ul style="list-style-type: none"> <li>• Statistics</li> <li>• Econometrics</li> <li>• Time Series Analysis</li> </ul>
9.	Dr. Tey Nai Peng	B28	3667	teynp@um.edu.my	MSc(Michigan), 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>
10.	Dr. Lai Siow Li	E15	3755	laisl@um.edu.my	PhD, MAppStats, 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>

No	Name/Position	Room No	Tel. Ext.	Email	Qualifications	Expertise
11.	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>
12.	Dr. Ng Yin Mei	E18	3726	yinmei.ng	PhD (Queensland), MAppStats, 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>
13.	* Mdm. Diana Abdul Wahab	-	-	diana.abdwahab@um.edu.my	MAppStats(Mal), BDecSc(NorthUMalaysia)	<ul style="list-style-type: none"> <li>• Decision Science</li> <li>• Applied Statistics</li> <li>• Data Mining</li> </ul>

\*Study Leave

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## ACADEMIC STAFF

### RESEARCH FELLOW

Bil	Name/ Designation	Room No.	Tel. Ext	Email
1.	Dr. Halimah Awang	SSRC	3742	halima@um.edu.my
2.	Dr. Mario Arturo Ruiz Estrada	SSRC	3759	marioruiz@um.edu.my
3.	Evangelos Koutronas	SSRC	2913	evangel_gr@um.edu.my

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## 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 . ...”

# FACILITIES

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

Facilities	Numbers	Location/Block
Computer Lab	5	<ul style="list-style-type: none"> <li>• Ground Floor, Postgraduate Building (H12)</li> <li>• Ground Floor, New Additional Building (H08)</li> <li>• Level 1, Additional Building (H08)</li> </ul>
Hall	1	Additional Building (H09)
Lecture Hall	5	DK1 - DK5 (H11)
Meeting Room	4	<ul style="list-style-type: none"> <li>• Ground Level, Administration Building (H10)</li> <li>• Level 1, Administration Building (H10)</li> <li>• Ground Level, New Additional Building (H09)</li> </ul>
Conference Room	2	<ul style="list-style-type: none"> <li>• Level 3, Postgraduate Building (H12)</li> </ul>
Seminar Room	25	<ul style="list-style-type: none"> <li>• Level 3, Postgraduate Building (H12)</li> <li>• New Additional Building (H09)</li> <li>• New Additional Building (H08)</li> </ul>
Cafeteria	1	<ul style="list-style-type: none"> <li>• Ground Level, Postgraduate Building (H12)</li> </ul>
Prayer Room	6	<p>Men:</p> <ul style="list-style-type: none"> <li>• Level 3, Administration Building (H10)</li> <li>• Ground Level, Additional Building (H08)</li> <li>• Ground Level, Postgraduate Building (H12)</li> </ul> <p>Ladies:</p> <ul style="list-style-type: none"> <li>• Level 3, Administration Building (H10)</li> <li>• Ground Level, Additional Building (H08)</li> <li>• Ground Level, Postgraduate Building (H12)</li> </ul>

## 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

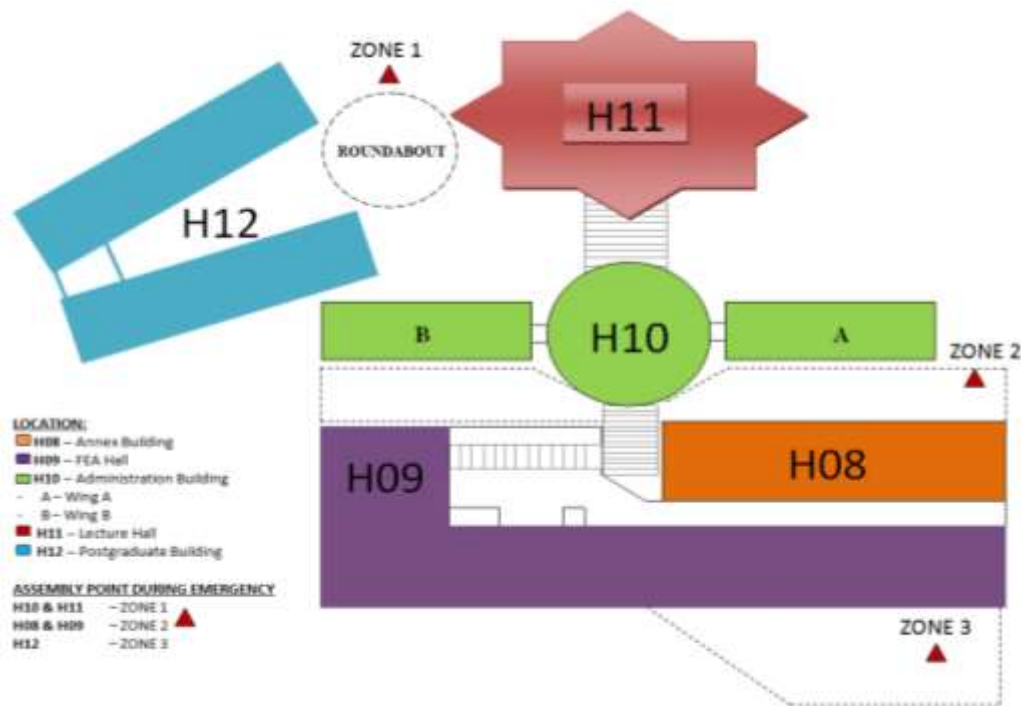
#### Additional Hours during Semester:

<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 diskettes 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 and 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



## H08 – Annex Building

**Ground Floor**  
Computer Lab, Men's Prayer Room

**First Floor**  
Computer Lab (G2 & G3) & Women's Prayer Room

**Second Floor**  
Seminar Rooms (H1 - H8)

## H09 – FEA Hall

**Ground Floor**  
Seminar Rooms & FEA Hall

**First Floor**  
PhD Room, Visiting Professor's Rooms, Malaysian Economic Association (PEM)

## H10 – Administration Building

**Basement**  
Store Room

**Ground Floor**  
FEA Foyer, B16 (Student Services Center) & Printing Room

**First Floor**  
Dean's Office, Deputy Dean's (Research) Office, Department Office, Senior Assistant Registrar's Room (Administrative & Development)

**Second Floor**  
Lecturer's Rooms (D6 - D10), Center for Poverty and Development Studies, PhD Room, Staff Room, Women's Prayer Room

**Third Floor**  
Lecturer's Rooms (E1-E20), PhD Rooms (E23 - E30), Men's Prayer Room

## A – WING A

**Ground Floor**  
General Office/Undergraduate Office

**First Floor**  
Lecturer's Rooms (C31 – C 38) & TIAC Room/Monetary & Financial Economics Unit (MoFEU)

## B – WING B

**Ground Floor**  
Lecturer's Rooms (B19 – B34)

**First Floor**  
Lecturer's Rooms (C5 – C17) & Dean's Meeting Room

## H11 – Lecture Hall

Lecture Hall 1 to 5

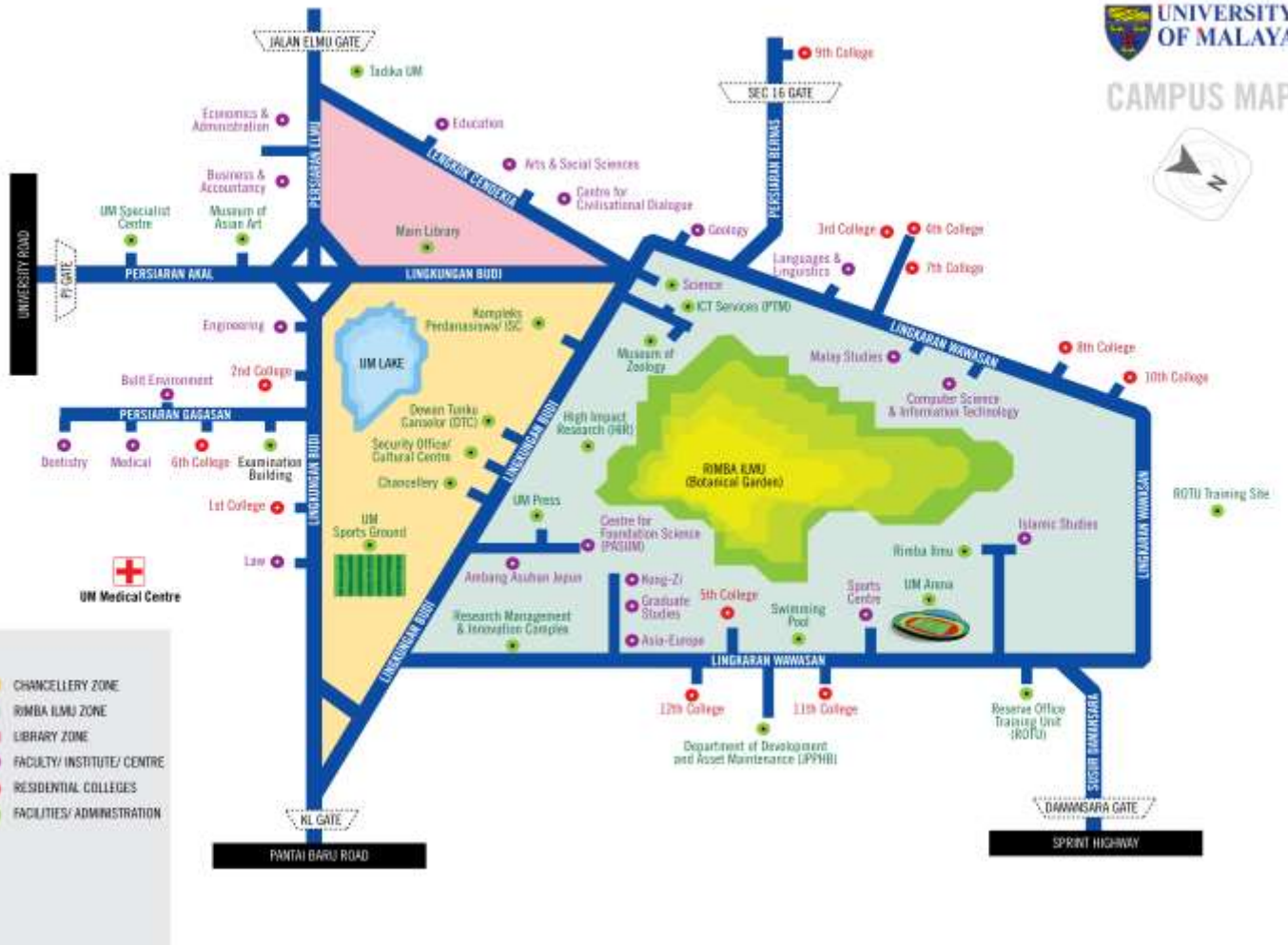
## H12 – Postgraduate Building

**Ground Floor**  
Technician's Room, Staff Room, Cafe, Prayer Rooms & Seminar Rooms (BSP 0-1 to BSP 0-4)

**First Floor**  
Postgraduate Office, VIP Room & Seminar Rooms (BSP 1-0 to BSP 1-7)

**Second Floor**  
Lecturer's Rooms (2-01 to 2-42) & PhD Room

**Third Floor**  
Postgraduate Conference Room & Seminar Rooms (BSP 3-1 to BSP 3-3)



# NOTES

