

Programme Structure

Year 1

Course Code	Course
FMD 1173	Principles of Mathematics
FMD 1133	Elementary Statistics
IAD 1153	Computer Fundamental
PMD 1313	Principles of Management
ZEU 1113	Proficiency English I
HKU 1111	Kepimpinan dan Kemahiran
FMD 1333	Applied Mathematics
FMD 1223	Probability and Statistics
IAD 1133	Programming Methodology
PAD 1113	Financial Accounting I
ZEU 1223	Proficiency English II
HKU 12*1	Co-curriculum
JMD 1263	Communication Skills
MPW 1113	Bahasa Kebangsaan A

Year 2

Course Code	Course
FMD 1213	Financial Mathematics
FMD 2213	Discrete Mathematics
FMD 2123	Applied Statistics I
IAD 1323	Information Systems
PMD 2143	Principle of Marketing
FMD 3113	Linear Algebra
FMD 2223	Applied Statistics II
IAD 2143	Database System
PSD 3233	Entrepreneurship
FSD 2213	Introduction to Research Methods
MPW 2133	Malaysian Studies
MPW 1143	Islamic Studies
MPW 1153	Moral Studies

Year 3

Course Code	Course
FMD 3143	Operational Research
FMD 3133	Statistical Methods
IAD 2213	Operating System
FSD 3113	Quantitative Project
FSD 3214	Industrial Training

Core Course Description

Course Code	Course	Synopsis
FMD 1333	Applied Mathematics	The course enables students to understand how to use mathematical operation, apply knowledge and mathematical skills to understand and solve various types of mathematical problem in industry, and have preparation and motivation to develop interest in mathematics continuous learning or to pursue higher education in mathematics.
FMD 1213	Financial Mathematics	The course equips students with basic concepts of mathematics and the algebraic operations.
FMD 3113	Linear Algebra	The course enables students to understand main concepts in linear algebra and to demonstrate further applications of matrices.
FMD 1223	Probability and Statistics	The course enables students to develop decision making skill by basing decision upon the outcome of statistical tests, interpret the results, and analyze and determine the appropriate type of analytical problem solving techniques to utilize.
FMD 2123	Applied Statistics I	The course enables students to understand the concepts of applied statistics such as hypothesis testing, chi-square, one-way ANOVA and two-way ANOVA to solve statistical problems.
FMD 2223	Applied Statistics II	The course develops skills necessary in identifying an appropriate technique, estimate models, and interpret results for independent research and to critically evaluate contemporary research.
FMD 3133	Statistical Methods	The course enables students to understand the basic of statistical methods in analysing data for decision making, and demonstrate knowledge of statistical methods.
IAD 2143	Database system	This course examines the fundamental principles and concepts of database systems that store and structure an organization's information, and drive its business functions. Students will learn to analyse data and perform data modelling and normalization to design an effective database, using relevant theories and concepts of relational database systems.
IAD 2213	Operating System	This course introduces students on administrative techniques, how to manage accounts, resources and printers; to monitor servers; to manage disks and data storage; and to recover systems from disaster.
FMD 3143	Operation Research	The course enables students to practice and develop decision making skill, interpret results, and analyse and determine the appropriate type of analytical problem solving techniques to utilize.
PTD 3113	Introduction to Research Methods	This course equips students with the knowledge and skills required to apply the research technique in the real world settings.

Course Code	Course	Synopsis
FSD 3253	Project	The course enables students to understand the various types of preparing a project paper, gain competence in applying relevant knowledge in research when undergo their project, analyse and aware on the current issues, and gain and acquire skill in dealing with people.
FSD 2276	Industrial Training	The course provides exposure to students about the knowledge, experience and work environment which cannot be acquired during lectures, strengthen the relationship between the industries and the university in areas such as research, teaching, training and consultancy, and provide opportunity to the industries to be involved in the development of human resource through the sharing of their knowledge and expertise with students.