TAYLOR'S UNIVERSITY MODULE GUIDE 2017

TAYLOR'S BUSINESS SCHOOL

PROGRAMME: BACHELOR OF BUSINESS (INTERNATIONAL BUSINESS)

YEAR 1 ***SEMESTER 1***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Business Communication	COM60104	None	Core	4
2	Introduction to Accounting	ACC60104	None	Core	4
3	Introduction to Management	MGT60104	None	Core	4
4	Microeconomics	ECN60104	None	Core	4
5	Quantitative Methods for Business	STA60104	None	Core	4

YEAR 1 ***SEMESTER 2***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Introduction to Finance	FIN60104	None	Core	4
2	Macroeconomics	ECN60204	None	Core	4
3	Organisational Behaviour	OBM60104	None	Core	4
4	Principles of Marketing	MKT60104	None	Core	4

YEAR 2 ***SEMESTER 3***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Business Law	LAW60104	None	Core	4
2	Elective Year 2	-	None	Core	4
3	Human Resource Management	HRM60104	None	Core	4
4	Introduction to International Business	BUS60104	None	Core	4

YEAR 2 ***SEMESTER 4***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Elective Year 2	-	None	Elective	4
2	Export Practices and Management	MGT60304	BUS60104	Specialization	4
3	International Finance	FIN61104	None	Specialization	4
4	International Finance	RES60104	None	Specialization	5
5	Supply Chain Management	MGT60404	None	Specialization	4

YEAR 3 ***SEMESTER 5***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Business Ethics and Values	BUS60204	None	Core	4
2	Elective Year 3	-	None	Elective	4
3	Elective Year 3	-	None	Elective	4
4	Transnational Management	MGT60604	BUS60104	Specialization	4

YEAR 3 ***SEMESTER 6***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Elective Year 3	-	None	Elective	4
2	Elective Year 3	-	None	Elective	4
3	International Business Issues and Policies	BUS60404	BUS60104	Specialization	4
4	Strategic Management	MGT60504	MGT60104	Core	5

ELECTIVE MODULES

No	Module title	Code	Prerequisites	Status	Credit hours
1	Entrepreneurship and Small Business	BUS60304	None	Elective	4
2	Intercultural Communication for Business	COM60204	None	Elective	4
3	International Human Resource Management	HRM60804	None	Elective	4
4	International Marketing	MKT60704	MKT60104	Elective	4
5	International Trade and Multinational Business	ECN60404	None	Elective	4
6	Management Accounting	ACC60404	ACC60104	Elective	4
7	Organizational Studies	OBM60204	OBM60104	Elective	4
8	Production and Operation Management	MGT60204	None	Elective	4

MODULE SYNOPSIS

YEAR 1 ***SEMESTER 1***

Module title	Code	Synopsis
Business Communication	COM60104	Business Communication equips students with the necessary written and spoken skills for effective business communication. Students are exposed to various business correspondences and taught practical strategies to write convincing messages. Students are also taught to strategize, and to use appropriate and ethical approaches in writing not only routine messages, but also persuasive and negative messages. Listening and speaking skills are also focused on to ensure effective interpersonal communication This module also emphasis the need for business communication to be seen in a global context where various considerations such as technological advances and ethical considerations play a vital role in ensuring that all business messages achieve their aims in a positive manner.
Introduction to Accounting	ACC60104	This module is an introduction to the technical aspects of financial accounting, as well as to the financial community. As a member of the financial community you will be expected to be updated on current business and financial events. Now is a good time to start a regular habit of reading the accounting and financial press.
Introduction to Management	MGT60104	This module is designed to provide the candidate with the basic concepts and principles of management in organizations. It focuses on the context of managerial activity and covers the four major functions of management i.e. planning, organizing, leading and controlling and places them in a historical, political and economic context.
Microeconomics	ECN60104	In a continuously ever changing globalized business environment, businesses need to make quick, well informed and correct decisions in order to survive. This module is concerned about the principles of microeconomics as they apply to the business environment. The module outlines the various microeconomic tools of analysis and analytical frameworks that are essential for business students to learn and understand to enable them to comprehend the economic environment of business in a structured way. It complements other Year One business modules and provides a basis for Year Two and Three modules in both business and economics.
Quantitative Methods for Business	STA60104	This module is designed to provide students with an appreciation of the application of analytical tools to business decision contexts. It also develops students' abilities to access and critically interpret statistics and business information. The module places strong emphasis on developing a clear

		theoretical understanding of various analytical tools. This is particularly true in business where learning to deal with randomness, variation and uncertainty is a vital skill for anyone intending to apply their knowledge in any employment. Students will also gain an introduction to many of the quantitative techniques which will be used throughout their further studies in their chosen discipline.

YEAR 1 ***SEMESTER 2***

Module title	Code	Synopsis
Introduction to Finance	FIN60104	This module introduces main concepts and methods associated with financial decision-making for individuals and enterprises: the concept of cash flow valuation, evaluation of financial performance, valuation of securities, risk and returns, capital budgeting, and an overview of international finance.
Macroeconomics	ECN60204	In an increasingly globalized world, countries and their governments need to be able to make quick, well informed and correct decisions in order to achieve their macroeconomic objectives. This module looks into the workings of a domestic economy and the policies that governments may implement to improve the business environment. The module outlines the various macroeconomic tools of analysis and analytical frameworks that are essential for business students to learn and understand to enable them to comprehend the national and global economy in a structured way. It complements other Year One business modules and provides a basis for Year Two and Three modules in both business and economics.
Organizational Behavior	OBM60104	This module is designed to provide the candidate with an introduction to psychological and behavioral approaches to the study of work and organizations. The module introduces some of the basic analytical tools and concepts from the fields of organizational behavior and work psychology that encourage an understanding of the behavior of individuals and groups in the workplace.
Principles of Marketing	KT60104	This module introduces students to the key marketing concepts and strategies employed by marketers in facing the challenges in a dynamic business environment. It develops an understanding of the overall process of planning, implementation and control in the contemporary business environment. This module provides students with the needed conceptual skills to identify, analyze and solve marketing problems. This module also provides a foundation for those who intend to further study in the marketing field or other business related modules

YEAR 2 ***SEMESTER 3***

Module title	Code	Synopsis
Business Law	LAW 60104	This module provides the foundation for all law modules in the Bachelor of Business. It provides students with an overview of the Malaysian legal system and a basic coverage of the underlying legal principles governing business. The substantive laws covered in this module includes the Law of Contract, the Law of Torts, Sales of goods, the Law of agency, insurance, employment law and business organizations. Students will have the opportunity to develop skills in critically analyzing legal problems and issues affecting business and applying the legal principles in solving these issues.
Human Resource Management	HRM60104	This module helps students develop an understanding of the fundamentals of human resource management. It explores the central, strategic role that human resource plays in making organizations more competitive. Students will be exposed to the human resource concepts, functions and practices including recruitment and selection, training and development, compensation and benefits, performance management, employee rights, health and safety, industrial relations and trade unions.
Introduction to International Business	BUS60104	The module is designed to provide students with an insight into International Business. It covers a practical framework for understanding the key issues, current relevant principles and concepts to be considered in doing business abroad. The goal of the module is to help students to understand the basic principles of international business and their impact on the world's economy. International Business introduces students to various issues and challenges associated with the formulation and implementation of strategies in business organizations whose operations stretch across national borders. Throughout the module, students will be systematically introduced to the complexities and challenges of leading and managing a “global” company. Further, the module will provide students with an opportunity to integrate business decisions with the ethical and social responsibility considerations inherent to playing on a global field.

YEAR 3 ***SEMESTER 4***

Module title	Code	Synopsis
Export Practices and Management	EVT60203	There are new opportunities & challenges arising in global marketing and exporting. In order for any organization to take advantage of the opportunities present as well as to rise above the challenges faced, it has to be adaptable to changes. Opportunities are expanding as international trade continues to grow rapidly. The role of ecommerce is to enable even the smallest business to find potential customers and means of distribution across the globe. The challenges of it would be increased competition, disruptions of trade flows (military), natural disasters etc.
International Finance	FIN61104	This module introduces main concepts and methods associated with international financial decision-making for multinational business: the concept of multinational financial management, FOREX, risk analysis and tools, financing foreign trade, international portfolio investment and corporate strategy.
Research Methods	RES60104	This module examines research designs commonly used in business decision making. Topics include research design, implementation and finally interpretation of research as these are related to problems in an organizational setting. This module will also cover issues on access and research ethics. This module provides a guide to the research process and the needed knowledge and skills to undertake research as well as highlights some common research pitfalls. At the end of this module, students will learn a range of research approaches, strategies and methods in handling their research projects. Skill development in statistical applications software is also one of the objectives of this module. Students are required to submit a research proposal as part of the module requirements.
Supply Chain Management	MGT60404	Supply Chain (SC) is a network of business entities consisting of suppliers' suppliers, suppliers, customers and customers' customers. Supply chain management deals with the management of material flows, information flows and financial flows that cut across multiple business entities (companies). The co-ordination and integration of these flows both within and across companies are critical to compete successfully in today's market place. Companies have always acknowledged the fact that the integration and co-ordination among multiple functional areas will create competitive advantages. Having said that one might ask “What is so new about SCM?. The answer lies in the dimension, viz., extended enterprise integration (coordination). As companies become

		more global and the competitive pressures are more intense, companies must think beyond functional integration and need to think for integration and co-ordination at extended enterprise level. An increasing number of Fortune 500 companies such as Chrysler, Hewlett Packard, IBM, P&G, Unilever, and Xerox have been stressing importance of SCM and are leveraging advances in IT and opportunities to form strategic alliances to tightly integrate their supply chain. Considering these developments in business environment, this module aims to introduce you to the field of SCM.

YEAR 3 ***SEMESTER 5***

Module title	Code	Synopsis
Business Ethics and Values	BUS60204	This module provides an understanding of the ethical issues and dilemmas affecting managers in organizations and developing an appreciation for, professional responsibility and integrity. It aims to raise awareness of the practical issues facing people in business, introduce a framework or guidelines for analysis and decision making, and enhance students' ability in reasoning towards resolving the dilemmas based on ethical principles. The discussions of ethical issues are used as an avenue for further improvement in analytical and communication skills.
Transnational Management	MGT60604	This module focuses on management's challenge associated with developing strategies, designing organizations and managing operations of companies whose activities stretch across national boundaries. Operating in an international arena will provide various opportunities for the company. This is because having worldwide operations not only gives a company access to new markets and specialized resources but it also opens up new sources of information as well as knowledge and broadens the options of strategic moves the company might make in competing with its domestic and international rivals. Like any other opportunities provided by cross-border management, companies will still have to face the challenges of managing strategy, organization and operations that are innately complex diverse and uncertain. In this module a conceptual baseline would provide for a more detailed discussion of the various issues faced in the cases presented. Some typical attitudes and mentalities would normally shape the actions of managers in MNCs (Multi-National Companies) and suggest how these attitudes and mentalities evolve as their off-shore operations progress from the state of initial investments to a fully integrated worldwide network of affiliates.

YEAR 3 ***SEMESTER 6***

Module title	Code	Synopsis
International Business Issues and Policies	BUS60404	The international business issues and policy is the capstone module for the International Business major. In this module, we will examine both the principles associated with the formation and implementation of business strategy, as well as the latest research about business strategy, which challenges traditional ways of thinking. We will apply those ideas via case studies and simulations. Globalization means that almost every company is affected by competition from foreign enterprises. Many firms are seeking opportunities to enter new foreign markets and expand in ones they already have penetrated. Managing in a globalizing environment requires knowledge of the regulatory and policy systems of international trade. This module provides this essential knowledge explaining both the theoretical and practical dimensions. The broad aim is to provide insight into current issues that play a dramatic role in the business landscape and to understand the current challenges facing businesses as constituents in the broader societal context. In addition students will be familiar with the strategic and management issues currently faced by various organizations through a consideration of the structure and challenges of the industry at the global, national and provincial levels.
Strategic Management	MGT60504	This module is designed to provide the candidate with a comprehensive understanding on how organizations are managed strategically with the emphasis of putting theory into practice. The major areas in strategic management that includes strategy formulation, implementation and evaluation are taught together with appropriate case analysis.

ELECTIVES FOR THE PROGRAMME

Module title	Code	Synopsis
Entrepreneurship and Small Business	BUS60304	This course is for students who wish to learn the principles and processes of small business and entrepreneurship. It is designed for individuals interested in starting a new business venture, acquiring an existing business, or working in industries that serve entrepreneurs. The course provides an overview of the many principles and processes of entrepreneurship and small business management.
Intercultural Communication for Business	COM60204	This module introduces students to the role of cultural patterns, and cultural profiles of nations in different parts of the world. At the end of the module, students will be able to increase their understanding of the relationship between culture and communication from various cultural backgrounds. They will be able to identify and analyze the role of cultural patterns and obstacles to competent intercultural collaboration in the development of intercultural group working relationships, thus making business deals easier and avoiding costly misunderstandings.
International Human Resource Management	HRM60804	Human resource management issues play a significant role in strategy and decision making- whether a company is considering its international presence, transitioning to a global entity or acquiring new business lines. Students will examine the critical role that HRM plays in the competitive and collaborative world of international business. The module topics include strategic HRM in multinational companies, international staffing, managing expatriate, international compensation, careers and repatriation, issues in the management of industrial relations in international firms, contemporary and emerging issues in international human resource management.
International Marketing	MKT60704	This module is designed to introduce students to advanced marketing concepts and practices in a global business environment. A comprehensive overview of the dynamics and trends in international marketing include market analysis, strategic planning, market selection and entry strategies, product positioning, integrated marketing communications, distribution, and pricing. Special emphasis will be placed on the development and delivery of international marketing plan where students have the opportunity working with a Malaysian firm. The module addresses the skills necessary for evaluating, developing, and delivering marketing programmes for a global and multicultural audience.

International Trade and Multinational Business	ECN60404	In an ever progressing and changing business environment; trade, finance and investment play a crucial and significant role in the world economy. This module concentrates on the introduction of the key theories explaining international trade, finance and investment. Framework of this module will give importance to expose learners with to the fundamental concepts of international trade, finance and investment and tools that are essential for them to understand and analyze the operation of international currency markets and the different types of exchange rate regimes. It complements other Level Two Economics/Finance modules and provides a basis for Level Three Economics/Finance modules.
Management Accounting	ACC60404	This module is an introduction to the basic techniques of management accounting and its role in the manufacturing and service business environments. Management accounting techniques are applied in all organizations. Students learn that with the current competitive business environment, good application of costing system would help organizations to compete.
Organizational Studies	OBM60204	This module is designed to provide the candidate with the capacity to analyze an organization from a multiple perspective framework that involves 'reading' the organizations and interpreting organizational situations from these different perspectives so as to understand better how the organization functions.
Production and Operation Management	MGT60204	This subject details the management perspective on the production and operations function in a business. It provides a strong review of the important concepts which underpins the POM task, and sets the relevant issues and techniques within the broader context of the management and control of the whole business. Contemporary topics on global competition, quality management, customer service and JIT, their influences are discussed.

SCHOOL OF COMMUNICATION

PROGRAMME: BACHELOR OF MASS COMMUNICATION (BROADCASTING)

YEAR 1 ***SEMESTER 1***

No	Module title	Code	Credit hours
1	Critical And Creative Thinking	COM60404	4
2	Critical And Creative Thinking	COM60304	4
3	Introduction to Mass Communication	COM60504	4
4	Visual Communication	COM61004	4

YEAR 1 ***SEMESTER 2***

No	Module title	Code	Credit hours
1	Communication Research Fundamentals	RES60304	4
2	Innovative Media	COM60904	4
3	Intercultural Communication	COM60604	4
4	Media Writing	COM60704	4

YEAR 2 ***SEMESTER 3***

No	Module title	Code	Credit hours
1	Audience Studies	BCA60304	4
2	Broadcasting Principles	BCA60104	4
3	Writing For Broadcast	BCA60204	4

YEAR 2 ***SEMESTER 4***

No	Module title	Code	Credit hours
1	Interactive Media	COM61104	4
2	Radio and TV Production	BCA60404	4

MODULE SYNOPSIS

YEAR 1 ***SEMESTER 1***

Module title	Code	Synopsis
Communication Theory	COM60404	This course outlines the concepts, roles, goals and changes in mass communication theories. It introduces the connections between communication theories and research. It also introduces the basic theories of mass media effects and media issues.
Critical and Creative Thinking	COM60304	This course outlines a comprehensive introduction to the cognitive process and helps students develop their higher-order thinking abilities needed for academic study and career success as critical and creative thinking skills are the cornerstones of higher education. It integrates various perspectives on the thinking process by fostering sophisticated intellectual and language abilities. It also shows that learning to think is a synthesizing process, knitting critical thinking and creative thinking abilities together with academic content and the fabric of students' experiences.
Introduction To Mass Communication	COM60504	This course outlines a basic understanding of the various types and roles of different traditional and new media industries as well as the related institutions of journalism, advertising and public relations and their respective structure, support and influence. Particular attention will be paid to mass communication issues relating to the rise of digital media such as trends, convergence, globalization and challenges. Mass media and communication in the Malaysian context will also be explored.
Visual Communication	COM61004	This course outlines the basic understanding of visual literacy and communication within the current media industries through the comprehension of design elements and principles. It also focuses on the practical application and ethical considerations of the visual aspect in screen and print based visual communication design.

YEAR 1 ***SEMESTER 2***

Module title	Code	Synopsis
Communication Research Fundamentals	RES60304	This course outlines the basic approach to research in the field of communication and mass media. It will provide students with a fundamental understanding of the various types of research approaches, namely quantitative and qualitative, and their respective methodologies that are appropriate to communication research. An introduction to a variety of descriptive and inferential statistical techniques that are normally used in communication research will also be provided. Students will also be thought how to read and review research journals as well as produce a research report.
Innovative Media	COM60904	This course is an introductory of new media studies and skill-based digital media course which enable students to explore, develop and apply in the areas of Mass Communication. It also ventures into creativity of digital media application by creating and manipulating various multimedia elements.
Intercultural Communication	COM60604	This course outlines the personal and theoretical understanding of the cultural origin of people's values, ideologies, habits and how they affect communication across cultural, racial and ethnic lines. It also seeks to develop awareness and increased understanding among peoples of different cultures, an appreciation of this rich diversity, and to offer tools for a lifeline of continued growth in intercultural competence.
Media Writing	COM60704	This course prepares students to be able to write for the various media, each of which requires distinct styles and approaches. It takes the student through a survey of the different styles, understanding the nuances, and appreciating the underpinning theories that influence the crafting of written media.

YEAR 2 ***SEMESTER 3***

Module title	Code	Synopsis
Audience Studies	BCA60304	This course outlines the history, development, scope, structure and nature of audience studies strategies in various media industries as well as the trend and convergence in media studies. It also introduces the basic theories of audience studies.
Broadcasting Principles	BCA60104	To provide students with the basic understanding of the history, nature, operations, practice and scope of radio, television and web broadcasting. It is designed to help students comprehend the trend and convergence in broadcasting and the electronic media industry and what effects operations and development might have on individuals and the collective society.
Writing for Broadcast	BCA60204	To provide students with the basic understanding of the history, nature, operations, practice and scope of radio, television and web broadcasting. It is designed to help students comprehend the trend and convergence in broadcasting and the electronic media industry and what effects operations and development might have on individuals and the collective society.

YEAR 2 ***SEMESTER 4***

Module title	Code	Synopsis
Interactive Media	COM61104	This course outlines the types of authoring platforms, interactive design principles, interactive scripting in authoring in the current industry practices. It also focuses on practical application of the current industry used application for both CD-ROM and online interactive applications.
Radio and TV Production	BCA60404	This course outlines the nature of the radio and TV industries and audio visual production work. Students will learn to handle the whole process of producing radio and TV programmes which will range from news, entertainment, drama, sports and documentaries.

PROGRAMME: BACHELOR OF MASS COMMUNICATION (PUBLIC RELATIONS)

YEAR 1 ***SEMESTER 1***

No	Module title	Code	Credit hours
1	Communication Theory	COM60404	4
2	Critical And Creative Thinking	COM60304	4
3	Introduction to Mass Communication	COM60504	4
4	Visual Communication	COM61004	4

YEAR 1 ***SEMESTER 2***

No	Module title	Code	Credit hours
1	Communication Research Fundamentals	RES60304	4
2	Innovative Media	COM60904	4
3	Intercultural Communication	COM60604	4
4	Media Writing	COM60704	4

YEAR 2 ***SEMESTER 3***

No	Module title	Code	Credit hours
1	Promotional Writing	PRL60204	4
2	Public Relations Principles	PRL60104	4
3	Publicity And Media Relations	PRL60304	4

YEAR 2 ***SEMESTER 4***

No	Module title	Code	Credit hours
1	Crisis Management	PRL60404	4
2	Interactive Media	COM61104	4

MODULE SYNOPSIS

YEAR 1 ***SEMESTER 1***

Module title	Code	Synopsis
Communication Theory	COM60404	This course outlines the concepts, roles, goals and changes in mass communication theories. It introduces the connections between communication theories and research. It also introduces the basic theories of mass media effects and media issues.
Critical and Creative Thinking	COM60304	This course outlines a comprehensive introduction to the cognitive process and helps students develop their higher-order thinking abilities needed for academic study and career success as critical and creative thinking skills are the cornerstones of higher education. It integrates various perspectives on the thinking process by fostering sophisticated intellectual and language abilities. It also shows that learning to think is a synthesizing process, knitting critical thinking and creative thinking abilities together with academic content and the fabric of students' experiences.
Introduction to Mass Communication	COM60504	This course outlines a basic understanding of the various types and roles of different traditional and new media industries as well as the related institutions of journalism, advertising and public relations and their respective structure, support and influence. Particular attention will be paid to mass communication issues relating to the rise of digital media such as trends, convergence, globalization and challenges. Mass media and communication in the Malaysian context will also be explored.
Visual Communication	COM61004	This course outlines the basic understanding of visual literacy and communication within the current media industries through the comprehension of design elements and principles. It also focuses on the practical application and ethical considerations of the visual aspect in screen and print based visual communication design.

YEAR 1 ***SEMESTER 2***

Module title	Code	Synopsis
Communication Research Fundamentals	RES60304	This course outlines the basic approach to research in the field of communication and mass media. It will provide students with a fundamental understanding of the various types of research approaches, namely quantitative and qualitative, and their respective methodologies that are appropriate to communication research. An introduction to a variety of descriptive and inferential statistical techniques that are normally used in communication research will also be provided. Students will also be thought how to read and review research journals as well as produce a research report.
Innovative Media	COM60904	This course is an introductory of new media studies and skill-based digital media course which enable students to explore, develop and apply in the areas of Mass Communication. It also ventures into creativity of digital media application by creating and manipulating various multimedia elements.
Intercultural Communication	COM60604	This course outlines the personal and theoretical understanding of the cultural origin of people's values, ideologies, habits and how they affect communication across cultural, racial and ethnic lines. It also seeks to develop awareness and increased understanding among peoples of different cultures, an appreciation of this rich diversity, and to offer tools for a lifeline of continued growth in intercultural competence.
Media Writing	COM60704	This course prepares students to be able to write for the various media, each of which requires distinct styles and approaches. It takes the student through a survey of the different styles, understanding the nuances, and appreciating the underpinning theories that influence the crafting of written communication. Ample practice is given to developing the writing skills for efficient and effective writing for the media.

YEAR 2 ***SEMESTER 3***

Module title	Code	Synopsis
Promotional Writing	PRL60204	This course introduces the concept of designing and writing promotional materials for a wide spectrum of communication media. It covers the scope and structure of the different forms of writing used in public relations, advertising and marketing.
Public Relations Principles	PRL60104	This course outlines the history and development of public relations, with an emphasis on providing the student with an awareness of various publics that an organization interacts with. It also provides a grounding for students to understand the need for a strategic perspective instead of the mindset of a public relations technician. Students would be expected to keep up with current affairs.
Publicity and Media Relations	PRL60304	This course outlines the role of a public relations practitioner as a publicist in an organization. It also introduces to the various techniques of media relations, testing and evaluating publicity, and understanding the various types of publicity collaterals for the press.

YEAR 2 ***SEMESTER 4***

Module title	Code	Synopsis
Crisis Management	PRL60404	This course outlines the key responsibilities of public relations in the contemporary world by understanding the importance of managing crisis locally and internationally. The course will introduce the students to different types of crisis and offers a wide range of frameworks and methods to managing crisis.
Interactive Media	COM61104	This course outlines the types of authoring platforms, interactive design principles, interactive scripting in authoring in the current industry practices. It also focuses on practical application of the current industry used application for both CD-ROM and online interactive applications.

PROGRAMME: BACHELOR OF MASS COMMUNICATION (ADVERTISING)

YEAR 1 ***SEMESTER 1***

No	Module title	Code	Credit hours
1	Communication Theory	COM60404	4
2	Critical And Creative Thinking	COM60304	4
3	Introduction to Mass Communication	COM60504	4
4	Visual Communication	COM61004	4

YEAR 1 ***SEMESTER 2***

No	Module title	Code	Credit hours
1	Communication Research Fundamentals	RES60304	4
2	Innovative Media	COM60904	4
3	Intercultural Communication	COM60904	4
4	Media Communication Research Fundamentals Writing	COM60704	4

YEAR 2 ***SEMESTER 3***

No	Module title	Code	Credit hours
1	Advertising Principles	ADV60104	4
2	Creative Copywriting	ADV60304	4
3	Principles of Marketing	MKT60104	4

YEAR 2 ***SEMESTER 4***

No	Module title	Code	Credit hours
1	Advertising Design And Execution	ADV60404	4
2	Interactive Media	COM61104	4

MODULE SYNOPSIS

YEAR 1 ***SEMESTER 1***

Module title	Code	Synopsis
Communication Theory	COM60404	This course outlines the concepts, roles, goals and changes in mass communication theories. It introduces the connections between communication theories and research. It also introduces the basic theories of mass media effects and media issues.
Critical and Creative Thinking	COM60304	This course outlines a comprehensive introduction to the cognitive process and helps students develop their higher-order thinking abilities needed for academic study and career success as critical and creative thinking skills are the cornerstones of higher education. It integrates various perspectives on the thinking process by fostering sophisticated intellectual and language abilities. It also shows that learning to think is a synthesizing process, knitting critical thinking and creative thinking abilities together with academic content and the fabric of students' experiences.
Introduction to Mass Communication	COM60504	This course outlines a basic understanding of the various types and roles of different traditional and new media industries as well as the related institutions of journalism, advertising and public relations and their respective structure, support and influence. Particular attention will be paid to mass communication issues relating to the rise of digital media such as trends, convergence, globalization and challenges. Mass media and communication in the Malaysian context will also be explored.
Visual Communication	COM61004	This course outlines the basic understanding of visual literacy and communication within the current media industries through the comprehension of design elements and principles. It also focuses on the practical application and ethical considerations of the visual aspect in screen and print based visual communication design.

YEAR 1 ***SEMESTER 2***

Module title	Code	Synopsis
Communication Research Fundamentals	RES60304	This course outlines the basic approach to research in the field of communication and mass media. It will provide students with a fundamental understanding of the various types of research approaches, namely quantitative and qualitative, and their respective methodologies that are appropriate to communication research. An introduction to a variety of descriptive and inferential statistical techniques that are normally used in communication research will also be provided. Students will also be thought how to read and review research journals as well as produce a research report.
Innovative Media	COM60904	This course is an introductory of new media studies and skill-based digital media course which enable students to explore, develop and apply in the areas of Mass Communication. It also ventures into creativity of digital media application by creating and manipulating various multimedia elements.
Intercultural Communication	COM60604	This course outlines the personal and theoretical understanding of the cultural origin of people's values, ideologies, habits and how they affect communication across cultural, racial and ethnic lines. It also seeks to develop awareness and increased understanding among peoples of different cultures, an appreciation of this rich diversity, and to offer tools for a lifeline of continued growth in intercultural competence.
Media Writing	COM60704	This course prepares students to be able to write for the various media, each of which requires distinct styles and approaches. It takes the student through a survey of the different styles, understanding the nuances, and appreciating the underpinning theories that influence the crafting of written communication. Ample practice is given to developing the writing skills for efficient and effective writing for the media.

YEAR 2 ***SEMESTER 1***

Module title	Code	Synopsis
Advertising Principles	ADV60104	This course outlines the history, development, scope, structure and nature of advertising, various media industries as well as the trend and convergence in Advertising. It also introduces the application of advertising in marketing campaign and account management.
Creative Copywriting	ADV60304	This course is designed as a skills course focusing on the creative aspects of advertising specifically copywriting. The emphasis will be on how to research for information on both product and consumer and apply this information to develop creative ad copy for various media.
Principles of Marketing	MKT60104	This course introduces students to the key marketing concepts and strategies employed by marketers in facing the challenges in a dynamic business environment. It develops an understanding of the overall process of planning, implementation and control in the contemporary business environment. This course provides students with the needed conceptual skills to identify analyse and solve marketing problems. This course also provides a foundation for those who intend to further study in the marketing field or other business related courses.

YEAR 2 ***SEMESTER 4***

Module title	Code	Synopsis
Advertising Design And Execution	ADV60404	This course provides the in-depth learning of creative practices in the advertising media industry. It solely focuses on the creative process and execution of an advertising strategy/plan through the understanding of design and production fundamentals.
Interactive Media	COM61104	This course outlines the types of authoring platforms, interactive design principles, interactive scripting in authoring in the current industry practices. It also focuses on practical application of the current industry used application for both CD-ROM and online interactive applications.

PROGRAMME: BACHELOR OF MASS COMMUNICATION (PUBLIC RELATIONS AND MARKETING)

YEAR 1 ***SEMESTER 1***

No	Module title	Code	Credit hours
1	Communication Theory	COM60404	4
2	Critical And Creative Thinking	COM60304	4
3	Introduction to Mass Communication	COM60504	4
4	Visual Communication	COM61004	4

YEAR 1 ***SEMESTER 2***

No	Module title	Code	Credit hours
1	Communication Research Fundamentals	RES60304	4
2	Innovative Media	COM60904	4
3	Intercultural Communication	COM60604	4
4	Media Writing	COM60704	4

YEAR 2 ***SEMESTER 3***

No	Module title	Code	Credit hours
1	Introduction to Management	MGT60104	4
2	Principles of Marketing	MKT60104	4
3	Promotional Writing	PRL60204	4
4	Public Relations Principles	PRL60104	4
5	Publicity And Media Relations	PRL60304	4

YEAR 2 ***SEMESTER 4***

No	Module title	Code	Credit hours
1	Consumer Behavior	MKT60204	4
2	Crisis Management	PRL60404	4
3	E-Marketing	MCM60105	5
4	Interactive Media	COM61104	4
5	Promotional Management	PRL60804	4

MODULE SYNOPSIS

YEAR 1 ***SEMESTER 1***

Module title	Code	Synopsis
Communication Theory	COM60404	This course outlines the concepts, roles, goals and changes in mass communication theories. It introduces the connections between communication theories and research. It also introduces the basic theories of mass media effects and media issues.
Critical and Creative Thinking	COM60304	This course outlines a comprehensive introduction to the cognitive process and helps students develop their higher-order thinking abilities needed for academic study and career success as critical and creative thinking skills are the cornerstones of higher education. It integrates various perspectives on the thinking process by fostering sophisticated intellectual and language abilities. It also shows that learning to think is a synthesizing process, knitting critical thinking and creative thinking abilities together with academic content and the fabric of students' experiences.
Introduction to Mass Communication	COM60504	This course outlines a basic understanding of the various types and roles of different traditional and new media industries as well as the related institutions of journalism, advertising and public relations and their respective structure, support and influence. Particular attention will be paid to mass communication issues relating to the rise of digital media such as trends, convergence, globalization and challenges. Mass media and communication in the Malaysian context will also be explored.

Visual Communication	COM61004	This course outlines the basic understanding of visual literacy and communication within the current media industries through the comprehension of design elements and principles. It also focuses on the practical application and ethical considerations of the visual aspect in screen and print based visual communication design.

YEAR 1 ***SEMESTER 2***

Module title	Code	Synopsis
Communication Research Fundamentals	RES60304	This course outlines the basic approach to research in the field of communication and mass media. It will provide students with a fundamental understanding of the various types of research approaches, namely quantitative and qualitative, and their respective methodologies that are appropriate to communication research. An introduction to a variety of descriptive and inferential statistical techniques that are normally used in communication research will also be provided. Students will also be thought how to read and review research journals as well as produce a research report.
Innovative Media	COM60904	This course is an introductory of new media studies and skill-based digital media course which enable students to explore, develop and apply in the areas of Mass Communication. It also ventures into creativity of digital media application by creating and manipulating various multimedia elements.
Intercultural Communication	COM60604	This course outlines the personal and theoretical understanding of the cultural origin of people's values, ideologies, habits and how they affect communication across cultural, racial and ethnic lines. It also seeks to develop awareness and increased understanding among peoples of different cultures, an appreciation of this rich diversity, and to offer tools for a lifeline of continued growth in intercultural competence.
Media Writing	COM60704	This course prepares students to be able to write for the various media, each of which requires distinct styles and approaches. It takes the student through a survey of the different styles, understanding the nuances, and appreciating the underpinning theories that influence the crafting of written communication. Ample practice is given to developing the writing skills for efficient and effective writing for the media.

YEAR 2 ***SEMESTER 3***

Module title	Code	Synopsis
Introduction to Management	MGT60104	This module is designed to provide the candidate with the basic concepts and principles of management in organizations. It focuses on the context of managerial activity and covers the four major functions of management i.e. planning, organizing, leading and controlling and places them in a historical, political and economic context.
Principles of Marketing	MKT60104	This course introduces students to the key marketing concepts and strategies employed by marketers in facing the challenges in a dynamic business environment. It develops an understanding of the overall process of planning, implementation and control in the contemporary business environment. This course provides students with the needed conceptual skills to identify analyze and solve marketing problems. This course also provides a foundation for those who intend to further study in the marketing field or other business related courses.
Promotional Writing	PRL60204	This course introduces the concept of designing and writing promotional materials for a wide spectrum of communication media. It covers the scope and structure of the different forms of writing used in public relations, advertising and marketing.
Public Relations Principles	PRL60104	This course outlines the history and development of public relations, with an emphasis on providing the student with an awareness of various publics that an organization interacts with. It also provides grounding for students to understand the need for a strategic perspective instead of the mindset of a public relations technician. Students would be expected to keep up with current affairs.
Publicity and Media Relations	PRL60304	This course outlines the role of a public relations practitioner as a publicist in an organization. It also introduces to the various techniques of media relations, testing and evaluating publicity, and understanding the various types of publicity collaterals for the press.

YEAR 2 ***SEMESTER 4***

Module title	Code	Synopsis
Consumer Behavior	MKT60204	To understand consumer behavior, it is important to understand concepts and theories borrowed from fields such as psychology, sociology, economics, etc. In addition during this course students will explore, many social, cultural and marketing factors that influence the selection, purchase and usage of products and services.
Crisis Management	PRL60404	This course outlines the key responsibilities of public relations in the contemporary world by understanding the importance of managing crisis locally and internationally. The course will introduce the students to different types of crisis and offers a wide range of frameworks and methods to managing crisis.
E-Marketing	MCM60105	This course will focus on the marketing management framework and will address the unique features of digital marketing. In summary, the course will look at how the 7 P's apply to the 'e' by providing an understanding of the principles and practices of E-Marketing to market goods and services. It describes the internet and the various business models employed in online marketing, and explore methods for conducting online market research and developing competitive intelligence for an organization. In addition, the course details processes for planning and implementing comprehensive e-marketing strategies using alternative online pricing strategies, Web-based advertising and promotion, and internet distribution channels. The course also considers other critical issues such as customer acquisition and retention, customer relationship management (CRM), and the challenges faced by firms in the application of E-Marketing strategies in global markets.
Interactive Media	COM61104	This course outlines the types of authoring platforms, interactive design principles, interactive scripting in authoring in the current industry practices. It also focuses on practical application of the current industry used application for both CD-ROM and online interactive applications.
Promotional Management	PRL60804	This course outlines to students the importance of promotional management. It introduces students to the various concepts, methods, and effects of different promotional techniques in an organization.

PROGRAMME: BACHELOR OF MASS COMMUNICATION (PUBLIC RELATIONS AND EVENT MANAGEMENT)

YEAR 1 ***SEMESTER 1***

No	Module title	Code	Credit hours
1	Communication Theory	COM60404	4
2	Critical And Creative Thinking	COM60304	4
3	Introduction to Mass Communication	COM60504	4
4	Visual Communication	COM61004	4

YEAR 1 ***SEMESTER 2***

No	Module title	Code	Credit hours
1	Communication Research Fundamentals	RES60304	4
2	Innovative Media	COM60904	4
3	Intercultural Communication	COM60604	4
4	Media Writing	COM60704	4

YEAR 2 ***SEMESTER 3***

No	Module title	Code	Credit hours
1	Exhibition Management	EVT60104	4
2	Introduction To Events and Meetings	EVT60103	3
3	Promotional Writing	PRL60204	4
4	Public Relations Principles	PRL60104	4
5	Publicity And Media Relations	PRL60304	4

YEAR 2 ***SEMESTER 4***

No	Module title	Code	Credit hours
1	Crisis Management	PRL60404	4
2	Design For Events	EVT60203	3
3	Entertainment Management	EVT60303	3
4	Events Operation	EVT60403	3
5	Interactive Media	COM61104	4
6	Special Events And Festivals	EVT60603	4

MODULE SYNOPSIS

YEAR 1 ***SEMESTER 1***

Module title	Code	Synopsis
Communication Theory	COM60404	This course outlines the concepts, roles, goals and changes in mass communication theories. It introduces the connections between communication theories and research. It also introduces the basic theories of mass media effects and media issues.
Critical and Creative Thinking	COM60304	This course outlines a comprehensive introduction to the cognitive process and helps students develop their higher-order thinking abilities needed for academic study and career success as critical and creative thinking skills are the cornerstones of higher education. It integrates various perspectives on the thinking process by fostering sophisticated intellectual and language abilities. It also shows that learning to think is a synthesizing process, knitting critical thinking and creative thinking abilities together with academic content and the fabric of students' experiences.
Introduction to Mass Communication	COM60504	This course outlines a basic understanding of the various types and roles of different traditional and new media industries as well as the related institutions of journalism, advertising and public relations and their respective structure, support and influence. Particular attention will be paid to mass communication issues relating to the rise of digital media such as trends, convergence, globalization and challenges. Mass media and communication in the Malaysian context will also be explored.

Visual Communication	COM61004	This course outlines the basic understanding of visual literacy and communication within the current media industries through the comprehension of design elements and principles. It also focuses on the practical application and ethical considerations of the visual aspect in screen and print based visual communication design.

YEAR 1 ***SEMESTER 2***

Module title	Code	Synopsis
Communication Research Fundamentals	RES60304	This course outlines the basic approach to research in the field of communication and mass media. It will provide students with a fundamental understanding of the various types of research approaches, namely quantitative and qualitative, and their respective methodologies that are appropriate to communication research. An introduction to a variety of descriptive and inferential statistical techniques that are normally used in communication research will also be provided. Students will also be thought how to read and review research journals as well as produce a research report.
Innovative Media	COM60904	This course is an introductory of new media studies and skill-based digital media course which enable students to explore, develop and apply in the areas of Mass Communication. It also ventures into creativity of digital media application by creating and manipulating various multimedia elements.
Intercultural Communication	COM60604	This course outlines the personal and theoretical understanding of the cultural origin of people's values, ideologies, habits and how they affect communication across cultural, racial and ethnic lines. It also seeks to develop awareness and increased understanding among peoples of different cultures, an appreciation of this rich diversity, and to offer tools for a lifeline of continued growth in intercultural competence.
Media Writing	COM60704	This course prepares students to be able to write for the various media, each of which requires distinct styles and approaches. It takes the student through a survey of the different styles, understanding the nuances, and appreciating the underpinning theories that influence the crafting of written communication. Ample practice is given to developing the writing skills for efficient and effective writing for the media.

YEAR 2 ***SEMESTER 3***

Module title	Code	Synopsis
Exhibition Management	EVT60104	This course prepares students towards professional analysis in exhibition management from a local and international perspective. Students are able to create suitable designs in line with the client's requirement and needs.
Introduction to Events and Meetings	EVT60103	This course provides an introduction to the concepts, methods and practices in the event and meeting industry. It includes a review of the components involved in an event regardless of its size, duration and type. This course prepares students towards professional understanding of meetings in local and international perspective. Students are able to describe accurately the components found in various event or meeting environments.
Promotional Writing	PRL60204	This course introduces the concept of designing and writing promotional materials for a wide spectrum of communication media. It covers the scope and structure of the different forms of writing used in public relations, advertising and marketing.
Public Relations Principles	PRL60104	This course outlines the history and development of public relations, with an emphasis on providing the student with an awareness of various publics that an organization interacts with. It also provides grounding for students to understand the need for a corporate strategic communication plan with a professional perspective. Students would be expected to keep up with current affairs.
Publicity and Media Relations	PRL60304	This course outlines the role of a public relations practitioner as a publicist in an organization. It also introduces to the various techniques of media relations, testing and evaluating publicity, and understanding the various types of publicity collaterals for the press.

YEAR 2 ***SEMESTER 4***

Module title	Code	Synopsis
Crisis Management	PRL60404	This course outlines the key responsibilities of public relations in the contemporary world by understanding the importance of managing crisis locally and internationally. The course will introduce the students to different types of crisis and offers a wide range of frameworks and methods to managing crisis.
Design for Events	EVT60203	This course aims to develop students in their creative thinking and train them to use principles of designs in their event design creations.
Entertainment Management	EVT60303	This course is designed to give an understanding into the entertainment industry in relation to events management. Students are provided with a technical knowledge and the knowhow of programme arrangement.
Events Operation	EVT60403	This course encompasses a comprehensive conceptual and technical essential to create and execute an event successfully.
Interactive Media	COM61104	This course outlines the types of authoring platforms, interactive design principles, interactive scripting in authoring in the current industry practices. It also focuses on practical application of the current industry used application for both CD-ROM and online interactive applications.
Special Events and Festivals	EVT60603	This course will provide students with various integrated strategies of marketing and operation needed to successfully run public events ranging from small to large scale, branding a venue such as hallmark festivals.

PROGRAMME: BACHELOR OF COMPUTER SCIENCE (COMPUTER SECURITY AND FORENSICS)

YEAR 1 ***SEMESTER 1***

No	Module title	Code	Prerequisites	Status	Credit hours
1	C Programming	ITS60304	None	Common Core	4
2	Computer Systems	ITS60404	None	Common Core	4
3	Mathematics for Computing 1	MTH60104	None	Common Core	4
4	Systems Analysis and Design	ITS60103	None	Common Core	3

YEAR 1 ***SEMESTER 2***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Communication Practice for IT Professionals	COM60303	None	Common Core	4
2	Elective 1		None	Common Core	4

YEAR 2 ***SEMESTER 3***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Computer Crime and Digital Evidence	ITS60904	None	Discipline Core	4
2	Data Structures and Algorithms	ITS60504	ITS60304	Common Core	4
3	Fundamentals of Software Engineering	ITS60704	None	Common Core	4
4	Introduction to Object-Oriented Programming	ITS60804	None	Common Core	3

YEAR 2 ***SEMESTER 4***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Computer and Network Security	ITS60803	None	Discipline Core	3
2	Fundamentals of Data Communications	ITS60203	ITS60404	Common Core	3
3	Fundamentals of Database Systems	ITS60604	None	Common Core	4
4	Object-Oriented Programming using Java	ITS61004	ITS60804	Discipline Core	4
5	Software Design	ITS60603	ITS60704	Common Core	3

YEAR 2 ***SEMESTER 5***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Computer Security and Forensics Tools	ITS61204	None	Discipline Core	4
2	Computing Theory	ITS60403	MTH60104	Common Core	3
3	Distributed Application Development	ITS61604	ITS60804	Discipline Core	4
4	Operating Systems	ITS60503	None	Common Core	3
5	User Interface Programming and Graphics	ITS60303	ITS60804	Common Core	3

YEAR 3 ***SEMESTER 6***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Computer Intrusion Detection	ITS61103	None	Discipline Core	3
2	Cryptography	ITS61203	MTH60104	Discipline Core	3
3	Elective 2			Elective	3
4	Professional Computing Practice	CSC60303	None	Discipline Core	3
5	Security Management in Practice	ITS61303	ITS60803	Discipline Core	3

YEAR 3 ***SEMESTER 7***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Artificial Intelligence	ITS61403	ITS60504	Discipline Core	3
2	Elective 3	-	-	Elective	4
3	Elective 4	-	-	Elective	4
4	Final Year Project (Semester II)	PRJ60207	-	Discipline Core	4
5	Forensic Computing Practice	ITS61503	ITS61303	Discipline Core	3

ELECTIVE MODULES

No	Module title	Code	Prerequisites	Status	Credit hours
1	Advanced Database Systems	ITS62004	ITS60604	Elective	4
2	Advanced Systems Administration	ITS61603	ITS60503	Elective	3
3	Data Mining	ITS61504	ITS61004	Elective	4
4	Enterprise Computing*	ITS61703	None	Elective	3
5	Online Presence Management**	CSC60103	None	Elective	3
6	OOP using C++	ITS61804	ITS60804	Elective	4
7	Technopreneurship	CSC60403	None	Elective	3
8	UNIX Programming	ITS61304	ITS60503	Elective	4
9	Web Applications using .NET Technologies	ITS61404	ITS60804	Elective	4
10	Web Systems and Technologies	ITS61104	None	Elective	4
11	Windows Applications using .Net Technologies	ITS61704	ITS60804	Elective	4

*Introduction to SAP ERP professional training embedded

**leads to Google Online Professional Certification

MODULE SYNOPSIS

YEAR 1 ***SEMESTER 1***

Module title	Code	Synopsis
C Programming	ITS60304	This course introduces the basics of structured programming, functions, arrays, pointers, data structures and dynamic memory allocation. Topics covered include Introduction to Program Development Environment, Control Structures, Functions, Arrays, Pointers, File Processing, Data Structures and Dynamic Memory Management.
Computer Systems	ITS60404	This course introduces the fundamentals of computer systems. Topics covered include data representation, data conversion, logic circuits and digital arithmetic.
Mathematics for Computing 1	MTH60104	This module will introduce the students to the discrete mathematical skills required in the field of computing and information technology.
Systems Analysis and Design	ITS60103	The course provides basic understanding and practical skills of system analysis and design. It will help students to work in information systems related field in the future.

YEAR 1 ***SEMESTER 2***

Module title	Code	Synopsis
Communication Practice for IT Professionals	COM60303	This practice-based course is designed to provide students with knowledge and a practical understanding of the concepts and theories of information and communication. The course aims to equip students working with information systems with information literacy and communication skills essential for their academic work and for their future professional roles in the IT industry. Lectures will provide the theoretical basis and instruction while tutorials, practical sessions and group project work will provide training in written and oral communication as well as a realistic experience of working in teams. The knowledge and training gained in this course will help develop key skills necessary for life-long learning.

YEAR 1 ***SEMESTER 3***

Module title	Code	Synopsis
Computer Crime and Digital Evidence	ITS60904	The subject looks into legal matters, and categories of computer crime: offences against confidentiality and integrity; computer-related offences (e.g. fraud, forgery, copyright etc.); content-related offences (e.g. child pornography). Students will explore the laws pertaining to computer crime: Malaysian Cyberlaws, the UK Computer Misuse Act 1990; the EU CyberCrime Convention 2003; and applicable international law may also be presented. Students will learn to apply law relating to evidence in Malaysia specifically, and selected countries of the world generally; and the challenges in applying existing legislation to forensic computing. Students will understand the responsibilities of a Forensic Computing practitioner: securing evidence; ensuring continuity of evidence; use of auditable procedures when investigating evidence; admissibility of evidence; the need for impartiality; regulation and licensing. This subject also explores computer crime investigation and incident response, and forms of digital evidence: emails, documents, images, residual information. This subject also introduces students to the investigative strategies for digital evidence and computer crime scenes.
Data Structures and Algorithms	ITS60504	This course introduces students to algorithm analysis and discusses the working of various data structures in details. Topics covered include Principles of Algorithms Analysis, Linked Lists, Stacks and Queues, Trees and Recursion, Hashing, Sorting Methods, Binary Search Trees and Graph Theory.
Fundamentals of Software Engineering	ITS60704	This course is about understanding what we need to know before software is built, how to obtain that information, how to analyze and understand and subsequently design it. It also looks at the process and management you should incorporate to discover and create this information.
Introduction to Object-Oriented Programming	ITS60804	This course introduces the fundamentals of Object-Oriented Programming using Java. Topics covered include Object-Oriented programming concepts, classes, inheritance, polymorphism, abstract classes, interfaces, and exception handling.

YEAR 2 ***SEMESTER 4***

Module title	Code	Synopsis
Computer and Network Security	ITS60803	The subject reviews the following areas: computer crime, scale of problem, financial costs, and case studies. This subject focuses on security, trust, policy including security life cycle; layering & distribution of security mechanisms. Students also investigate threats to networks in detail (interception; interruption; modification; fabrication; types of attack; eavesdropping; masquerading; message tampering; replaying; denial of service), protection mechanisms focusing on encryption, authentication protocols, digital signatures for message integrity, the various secure Internet Protocols, security and mobility issues and security application programming interfaces (Java Secure socket extension (JSSE); Java Cryptography Architecture (JCA & JCAE)). Additional material will be covered through the practical group coursework. The aim here is to apply the technical knowledge and put into practice the skills developed earlier in the programme.
Fundamentals of Data Communications	ITS60203	This subject will provide a broad introduction to the fundamentals of data communications and network technology. Emphasis is on higher aspects of data communications from perspective of the computer scientist and information technologist in the communication of data, and the interaction of remote systems.
Fundamentals of Database Systems	ITS60604	This course is an introduction to the principles, use, and applications of database systems. Students who complete the course will be able to design and create databases, be able to extract information from databases, understand in broad terms how database systems work, and understand the purposes for which databases are used.
Introduction to Object-Oriented Programming	ITS60804	This course introduces the fundamentals of Object-Oriented Programming using Java. Topics covered include Object-Oriented programming concepts, classes, inheritance, polymorphism, abstract classes, interfaces, and exception handling.
Software Design	ITS60603	The subject advances the student's knowledge and understanding of the fundamentals of software engineering; focusing on the software design phase/stage. Students learn and gain practical skills in software design architectures like the role of decomposition, components / subsystems, interfaces, separation of concerns, layers, architectural styles and patterns. Students also are taught advanced software design principle of design patterns; patterns definition, history of patterns, pattern languages, pattern communities, designing patterns both from general usage (i.e. model view

		controller, iterator and wrapper). Students in the end are expected to implement their knowledge using CASE tools and Java programming.

YEAR 2 ***SEMESTER 5***

Module title	Code	Synopsis
Computer and Network Security	ITS60803	The subject reviews the following areas: computer crime, scale of problem, financial costs, and case studies. This subject focuses on security, trust, policy including security life cycle; layering & distribution of security mechanisms. Students also investigate threats to networks in detail (interception; interruption; modification; fabrication; types of attack; eavesdropping; masquerading; message tampering; replaying; denial of service), protection mechanisms focusing on encryption, authentication protocols, digital signatures for message integrity, the various secure Internet Protocols, security and mobility issues and security application programming interfaces (Java Secure socket extension (JSSE); Java Cryptography Architecture (JCA & JCAE)). Additional material will be covered through the practical group coursework. The aim here is to apply the technical knowledge and put into practice the skills developed earlier in the programme.
Computing Theory	ITS60403	This subject aims to introduce students to foundational issues in computer science. This includes the study of measuring how long computations may take, probabilistic approaches to difficult problems, the principles of cryptography, the use of grammars to specify syntax rules, formal models of computation, and computability properties. The emphasis is on understanding and application of techniques, rather than formal mathematical proofs.
Distributed Application Development	ITS61604	This course introduces the concepts of distributed application development. Topics covered include client-server model and programming in socket level and using Remote Method Invocation (RMI). Laboratory instruction will include program development and walk-through.
Operating Systems	ITS60503	This subject aims to introduce fundamental principles, strategies and algorithms used in operating systems.
User Interface Programming and Graphics	ITS60303	This subject will provide a broad introduction to the fundamentals of data communications and network technology. Emphasis is on higher aspects of data communications from perspective of the computer scientist and information technologist in the communication of data, and the interaction of remote systems.

YEAR 3 ***SEMESTER 6***

Module title	Code	Synopsis
Computer Intrusion Detection	ITS61103	The subject looks into computer intrusion detection areas such as: identifying and exposing security weaknesses in an organization and selecting the proper countermeasures, understand how hacking tools can be sued to test and improve security, protect against and prevent intrusions. This module in a nutshell aims to provide a graduate with knowledge of how illegal computer attacks can be performed and how they can be detected and stopped.
Professional Computing Practice	CSC60303	This subject is an introduction to professional computing practices. It is intended for computer science and IT students who have not studied business principles, or who have little work experience in the industry. The subject provides a survival kit for computer science and IT graduates entering the work force. The subject considers computer ethical issues, such as information privacy, computer crime, computer misuse. The subject considers the international legal framework available to protect software system development. This includes non-disclosure agreements, employment contracts, intellectual property law (copyright, patent, licensing, and royalties), trademarks and warranty disclaimers. The subject also considers the how ethics and law affect software system development.
Security Management in Practice	ITS61303	This subject takes a deeper look into software security in the real world: analyzing systems and security aware applications from various domains such as mobile communications, electronic commerce, banking and finance. This subject also looks into the application of trusted computing and trust in electronic commerce and the existence of a trusted computing base. Policies for managing security, policy languages and models are also looked into. This subject also looks at trust and reputation and the basis for authorization decisions; the notion of trust and how to express it (subjective logic, trust and uncertainty, rating systems and reputations servers); the eBay reputation server as an example; and communities of trust. In security analysis; assumptions are made; on social basis and threat assumptions. The trade-off between threats and countermeasures and the return on security investment (RoSI) is also investigated. Information Security Management Standards and Codes of Practice, and legislation are also covered. The interrelation and interdependency of security management and other system management activities and considerations such as:- Business Continuity Management, Organizational Security, Asset Classification and Control,

		Personnel Security, Physical and Environmental Security, Communications and Operations Management, Systems Development and Maintenance, and Business Continuity Management and Compliance are a major part of the subject.

YEAR 3 ***SEMESTER 7***

Module title	Code	Synopsis
Artificial Intelligence	ITS61403	This course is designed to introduce to the students the techniques and algorithms used in Artificial Intelligence.
Forensic Computing Practice	ITS61503	This subject allows students to look in-depth into an individual computer crime scenario simulating a source of evidence of one or more computer-related crimes. They are to investigate the contents of the scenario using appropriate tools. Throughout the duration of the module advice can be sought from the subject tutor with whom the suitability of different approaches and the significance of particular pieces of evidence can be discussed. As a result of their investigation students are to write a report detailing their findings for submission as evidence. Finally, they will give evidence as an expert witness in a mock courtroom and be cross examined by their peers or by staff.

ELECTIVE MODULES

Module title	Code	Synopsis
Advanced Database Systems	ITS62004	The subject aims to broaden knowledge of the implementation of database systems and to introduce emerging database technologies, including information retrieval, and spatial databases. File structures and indexing are discussed, and analytical details presented, that enable students to understand efficiency in query evaluation. The idea of the transaction is introduced along with the necessity of concurrency control. Issues of backup and recovery for databases are discussed.
Advanced Systems Administration	ITS61603	This course introduces students to the key marketing concepts and strategies employed by marketers in facing the challenges in a dynamic business environment. It develops an understanding of the overall process of planning, implementation and control in the contemporary business environment. This course provides students with the needed conceptual skills to identify, analyze and solve marketing problems. This course also provides a foundation for those

		who intend to further study in the marketing field or other business related courses.
Data Mining	ITS61504	This course is designed to introduce to the students the algorithms and data structures used in information retrieval including the inverted index, natural language processing, query processing, Measuring quality of search engine and documents classification.
Enterprise Computing	ITS61703	The purpose of this course is to provide students with a comprehensive understanding of enterprise resource planning (ERP) concepts, business processes, software configuration and system implementation. This is very much a hands-on course (with heavy lab sessions) and requires the active participation of enrolled students. .
Online Presence Management	CSC60103	The module provides students with the state of the art training in using cloud computing technologies and applications. Provides hands-on project opportunities for students to build online applications that can enhance business productivity, create online presence, understanding and engaging customers with social media and analyzing online presence using different web tool technologies.
OOP using C++	ITS61804	This course strengthens students' understanding of object-oriented programming concept and introduces them to OO concepts supported in C++. Topics covered include inheritance, polymorphism, and generic programming, Standard Template Library, and design patterns.
Technopreneurship	CSC60403	This course introduces students to the technopreneurship IT Professionals, its process, the kind of mind-set is required, starting a new business with a proper plan, financing the venture and finally managing & growing the venture.
UNIX Programming	ITS61304	This subject is designed to introduce the Unix System Administration, Shell scripting and networking technology in Unix system.
Web Applications using .NET Technologies	ITS61404	This course introduces the ASP.NET, ADO.NET, security and web services. Topics covered include the .NET framework in relation to Web applications, ASP.NET server controls, ADO.NET, SQL Server, .NET security, and web services.
Windows Applications using .Net Technologies	ITS61704	This subject is designed to provide the candidate with an introduction to psychological and behavioral approaches to the study of work and organizations. The course introduces some of the basic analytical tools and concepts from the fields of organizational behavior and work psychology that encourage an understanding of the behavior of individuals and groups in the workplace.

PROGRAMME: BACHELOR OF SOFTWARE ENGINEERING

YEAR 1 ***SEMESTER 1***

No	Module title	Code	Prerequisites	Status	Credit hours
1	C Programming	ITS60304	None	Common Core	4
2	Computer Systems	ITS60404	None	Common Core	4
3	Mathematics for Computing 1	MTH60104	None	Common Core	4
4	Systems Analysis and Design	ITS60103	None	Common Core	3

YEAR 1 ***SEMESTER 2***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Communication Practice for IT Professionals	COM60303	None	Common Core	4
2	Elective 1	-	None	Common Core	4

YEAR 2 ***SEMESTER 3***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Data Structures and Algorithms	ITS60504	ITS60304	Common Core	4
2	Fundamentals of Software Engineering	ITS60704	None	Common Core	4
3	Introduction to Object-Oriented Programming	ITS60804	None	Common Core	4
4	Mathematics for Computing 2	MTH60503	MTH60104	Common Core	3

YEAR 2 ***SEMESTER 4***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Fundamentals of Data Communications	ITS60203	None	Common Core	3
2	Fundamentals of Database Systems	ITS60604	None	Common Core	4
3	Object-Oriented Programming using Java	ITS61004	ITS60804	Discipline Core	4
4	Software Design	ITS60603	ITS60704	Common Core	3
5	Software Process	ITS60703	ITS60704	Discipline Core	3

YEAR 2 ***SEMESTER 5***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Distributed Application Development	ITS61604	ITS60804	Discipline Core	4
2	Operating Systems	ITS60503	None	Common Core	3
3	Project Management	CSC60703	ITS60704	Discipline Core	3
4	Software Maintenance	ITS61003	ITS60603, ITS60703	Discipline Core	3
5	Software Quality	ITS60903	ITS60703	Discipline Core	3

YEAR 3 ***SEMESTER 6***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Computing Theory	ITS60403	MTH60104	Common Core	4
2	Elective 2	-	None	Elective	3
3	Enterprise Computing*	ITS61703	None	Common Core	4
4	Professional Computing Practice	CSC60303	None	Discipline Core	3

YEAR 3 ***SEMESTER 7***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Artificial Intelligence	ITS61403	ITS60504	Discipline Core	3
2	Data Mining	ITS61504	ITS61004	Discipline Core	4
3	Elective 3	-	-	Elective	4
4	Elective 3	-	-	Elective	4

ELECTIVE MODULES

No	Module title	Code	Prerequisites	Status	Credit hours
1	Advanced Database Systems	ITS62004	ITS60604	Elective	4
2	E-Commerce	CSC60104	None	Elective	4
3	Internet Fundamentals	CSC60204	None	Elective	4
4	Introduction to Accounting	ACC60104	None	Elective	4
5	Introduction to Management	MGT60104	None	Elective	4
6	Online Presence Management**	CSC60103	None	Elective	3
7	OO Programming using C++	ITS61804	ITS60804	Elective	4
8	Organizational Behaviour	OBM60104	None	Elective	4
9	Principles of Marketing	MKT60104	None	Elective	4
10	Technopreneurship	CSC60403	None	Elective	3
11	UNIX Programming	ITS61304	ITS60503	Elective	4
12	Web Applications using .NET Technologies	ITS61404	ITS60804	Elective	4
13	Windows Applications using .NET Technologies	ITS61704	ITS60804	Elective	4

MODULE SYNOPSIS

YEAR 1 ***SEMESTER 1***

Module title	Code	Synopsis
C Programming	ITS60304	This course introduces the basics of structured programming, functions, arrays, pointers, data structures and dynamic memory allocation. Topics covered include Introduction to Program Development Environment, Control Structures, Functions, Arrays, Pointers, File Processing, Data Structures and Dynamic Memory Management.
Computer Systems	ITS60404	This course introduces the fundamentals of computer systems. Topics covered include data representation, data conversion, logic circuits and digital arithmetic.
Mathematics for Computing 1	MTH60104	This module will introduce the students to the discrete mathematical skills required in the field of computing and information technology.
Systems Analysis and Design	ITS60103	The course provides basic understanding and practical skills of system analysis and design. It will help students to work in information systems related field in the future.

YEAR 1 ***SEMESTER 2***

Module title	Code	Synopsis
Communication Practice for IT Professionals	COM60303	This practice-based course is designed to provide students with knowledge and a practical understanding of the concepts and theories of information and communication. The course aims to equip students working with information systems with information literacy and communication skills essential for their academic work and for their future professional roles in the IT industry. Lectures will provide the theoretical basis and instruction while tutorials, practical sessions and group project work will provide training in written and oral communication as well as a realistic experience of working in teams. The knowledge and training gained in this course will help develop key skills necessary for life-long learning.

YEAR 1 ***SEMESTER 3***

Module title	Code	Synopsis
Data Structures and Algorithms	ITS60504	This course introduces students to algorithm analysis and discusses the working of various data structures in details. Topics covered include Principles of Algorithms Analysis, Linked Lists, Stacks and Queues, Trees and Recursion, Hashing, Sorting Methods, Binary Search Trees and Graph Theory.
Fundamentals of Software Engineering	ITS60704	This course is about understanding what we need to know before software is built, how to obtain that information, how to analyze and understand and subsequently design it. It also looks at the process and management you should incorporate to discover and create this information.
Introduction to Object-Oriented Programming	ITS60804	This course introduces the fundamentals of Object-Oriented Programming using Java. Topics covered include Object-Oriented programming concepts, classes, inheritance, polymorphism, abstract classes, interfaces, and exception handling.
Mathematics for Computing 2	MTH60503	This module will introduce the students to the discrete mathematical skills and concepts of calculus required in the field of computing, especially in programming and computing theory.

YEAR 2 ***SEMESTER 4***

Module title	Code	Synopsis
Fundamentals of Data Communications	ITS60203	This subject will provide a broad introduction to the fundamentals of data communications and network technology. Emphasis is on higher aspects of data communications from perspective of the computer scientist and information technologist in the communication of data, and the interaction of remote systems.
Fundamentals of Database Systems	ITS60604	This course is an introduction to the principles, use, and applications of database systems. Students who complete the course will be able to design and create databases, be able to extract information from databases, understand in broad terms how database systems work, and understand the purposes for which databases are used.
Object-Oriented Programming using Java	ITS61004	This course introduces the fundamentals of Object-Oriented Programming using Java. Topics covered include Object-Oriented programming concepts, classes, inheritance, polymorphism, abstract classes, interfaces, and exception handling.

Software Design	ITS60603	The subject advances the student's knowledge and understanding of the fundamentals of software engineering; focusing on the software design phase/stage. Students learn and gain practical skills in software design architectures like the role of decomposition, components / subsystems, interfaces, separation of concerns, layers, architectural styles and patterns. Students also are taught advanced software design principle of design patterns; patterns definition, history of patterns, pattern languages, pattern communities, designing patterns both from general usage (i.e. model view controller, iterator and wrapper). Students in the end are expected to implement their knowledge using CASE tools and Java programming.
Software Process	ITS60703	This course aims to make students aware of the concept of a software process, the benefits associated with understanding the elements and structure of software processes, and ways to improve its effectiveness.

YEAR 2 ***SEMESTER 5***

Module title	Code	Synopsis
Distributed Application Development	ITS61604	This course introduces the concepts of distributed application development. Topics covered include client-server model and programming in socket level and using Remote Method Invocation (RMI). Laboratory instruction will include program development and walk-through.
Operating Systems	ITS60503	This subject aims to introduce fundamental principles, strategies and algorithms used in operating systems.
Project Management	CSC60703	This subject is designed to establish the concept that effective project management ensures that a project is completed on time, within budget, and with high quality. It provides theoretical and case-study perspectives on how project management may help students to manage their projects. Topics to be discussed include: Project Management Concepts, Overview of Project Planning, Software Effort Management, Risk Management, Resources Management, Project Monitoring and Control.
Software Maintenance	ITS61003	This course is about understanding of software maintenance considerations which transcends the software life cycle processes. Since software maintenance is a ubiquitous concern in software engineering, this course prepares students to provide cost-effective support to software using proven techniques and established standards in software maintenance.

Software Quality	ITS60903	This course is about understanding of software quality considerations which transcends the software life cycle processes. Since software quality is a ubiquitous concern in software engineering, this course prepares students to manage the development of high quality software using proven techniques and established standards in software quality assurance.

YEAR 3 ***SEMESTER 6***

Module title	Code	Synopsis
Computing Theory	ITS60403	This subject aims to introduce students to foundational issues in computer science. This includes the study of measuring how long computations may take, probabilistic approaches to difficult problems, the principles of cryptography, the use of grammars to specify syntax rules, formal models of computation, and computability properties. The emphasis is on understanding and application of techniques, rather than formal mathematical proofs.
Enterprise Computing	ITS61703	The purpose of this course is to provide students with a comprehensive understanding of enterprise resource planning (ERP) concepts, business processes, software configuration and system implementation. This is very much a hands-on course (with heavy lab sessions) and requires the active participation of enrolled students. .
Professional Computing Practice	CSC60303	This subject is an introduction to professional computing practices. It is intended for computer science and IT students who have not studied business principles, or who have little work experience in the industry. The subject provides a survival kit for computer science and IT graduates entering the work force. The subject considers computer ethical issues, such as information privacy, computer crime, computer misuse. The subject considers the international legal framework available to protect software system development. This includes non-disclosure agreements, employment contracts, intellectual property law (copyright, patent, licensing, and royalties), trademarks and warranty disclaimers. The subject also considers the how ethics and law affect software system development.

YEAR 3 ***SEMESTER 7***

Module title	Code	Synopsis
Artificial Intelligence	ITS61403	This course is designed to introduce to the students the techniques and algorithms used in Artificial Intelligence.
Data Mining	ITS61504	This course is designed to introduce to the students the algorithms and data structures used in information retrieval including the inverted index, natural language processing, query processing, Measuring quality of search engine and documents classification.

ELECTIVE MODULES

Module title	Code	Synopsis
Advanced Database Systems	ITS62004	The subject aims to broaden knowledge of the implementation of database systems and to introduce emerging database technologies, including information retrieval, and spatial databases. File structures and indexing are discussed, and analytical details presented, that enable students to understand efficiency in query evaluation. The idea of the transaction is introduced along with the necessity of concurrency control. Issues of backup and recovery for databases are discussed.
E-Commerce	CSC60104	This module provides a framework for understanding the issues and trends relating to electronic commerce. Its overall focus is on understanding how the technology can be used to support business applications. The starting point is therefore from the business perspective, to understand the business needs, and the social and legal aspects that affect electronic trading. A broad introduction to the technology then introduces how such systems can be constructed.
Internet Fundamentals	CSC60204	The subject advances the student's knowledge and understanding of the role that internet and web applications have in modern working and personal environments. It provides theoretical and case-study perspectives on how internet technology may help students to communicate with the rest of the world. The student will be presented with the previous and current internet technologies and web applications, as well as the available of website development tools. The student will encounter practical experience in developing simple websites with both HTML and web authoring tools.
Introduction to Accounting	ACC60104	This module is an introduction to the technical aspects of financial accounting, as well as to the financial community. As a member of the financial community you will be expected to be update on current business and financial events. Now is a

		good time to start a regular habit of reading the accounting and financial press.
Introduction to Management	MGT60104	This module is designed to provide the candidate with the basic concepts and principles of management in organizations. It focuses on the context of managerial activity and covers the four major functions of management i.e. planning, organizing, leading and controlling.
Online Presence Management	CSC60103	The module provides students with the state of the art training in using cloud computing technologies and applications. Provides hands-on project opportunities for students to build online applications that can enhance business productivity, create online presence, understanding and engaging customers with social media and analyzing online presence using different web tool technologies.
OO Programming using C++	ITS61804	This course strengthens students' understanding of object-oriented programming concept and introduces them to OO concepts supported in C++. Topics covered include inheritance, polymorphism, generic programming, Standard Template Library, and design patterns.
Organizational Behaviour	OBM60104	This module is designed to provide the candidate with an introduction to psychological and behavioral approaches to the study of work and organizations. The module introduces some of the basic analytical tools and concepts from the fields of organizational behavior and work psychology that encourage an understanding of the behavior of individuals and groups in the workplace.
Principles of Marketing	MKT60104	This module introduces students to the key marketing concepts and strategies employed by marketers in facing the challenges in a dynamic business environment. It develops an understanding of the overall process of planning, implementation and control in the contemporary business environment. This module provides students with the needed conceptual skills to identify analyses and solve marketing problems. This module also provides a foundation for those who intend to further study in the marketing field or other business related courses.
Technopreneurship	CSC60403	This course introduces students to the technopreneurship IT Professionals, its process, the kind of mind-set is required, starting a new business with a proper plan, financing the venture and finally managing & growing the venture.
UNIX Programming	ITS61304	This subject is designed to introduce the Unix System Administration, Shell scripting and networking technology in Unix system.
Web Applications using .NET Technologies	ITS61404	This course introduces the ASP.NET, ADO.NET, security and web services. Topics covered include the .NET framework in

		relation to Web applications, ASP.NET server controls, ADO.NET, SQL Server, .NET security, and web services.
Windows Applications using .Net Technologies	ITS61704	This subject is designed to provide the candidate with an introduction to psychological and behavioral approaches to the study of work and organizations. The course introduces some of the basic analytical tools and concepts from the fields of organizational behavior and work psychology that encourage an understanding of the behavior of individuals and groups in the workplace.

PROGRAMME: BACHELOR OF INFORMATION TECHNOLOGY (INTERNET TECHNOLOGIES)

YEAR 1 ***SEMESTER 1***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Computer Systems	ITS60404	None	Common Core	4
2	Elective 1	-	None		4
3	Mathematics for Computing 1	MTH60104	None	Common Core	4
4	Systems Analysis and Design	ITS60103	None	Common Core	3

YEAR 1 ***SEMESTER 2***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Communication Practice for IT Professionals	COM60303	None	Common Core	3
2	Fundamentals of Software Engineering	ITS60704	None	Common Core	4
3	Internet Fundamentals	CSC60204	None	Discipline Core	4
4	Web Systems and Technologies	ITS61104	None	Discipline Core	4

YEAR 2 ***SEMESTER 3***

No	Module title	Code	Prerequisites	Status	Credit hours
1	E-Commerce	CSC60104	None	Common Core	4
2	Fundamentals of Data Communications	ITS60203	None	Common Core	3
3	Fundamentals of Database Systems	ITS60604	None	Discipline Core	4
4	Introduction to Object-Oriented Programming	ITS60804	None	Discipline Core	4

YEAR 2 ***SEMESTER 4***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Elective 2	-	None	Elective	3
2	Elective 3	-	None	Elective	3
3	Object-Oriented Programming using Java	ITS61004	ITS60804	Discipline Core	4
4	Operating Systems	ITS60503	None	Discipline Core	3
5	Web Database Applications	ITS62304	ITS61104	Discipline Core	4

YEAR 2 ***SEMESTER 5***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Enterprise Computing*	ITS61703	None	Common Core	3
2	Mobile Applications Development	ITS62204	ITS60804	Discipline Core	4
3	Multimedia Systems	CSC60304	ITS62304	Common Core	4
4	Professional Computing Practice	CSC60303	None	Discipline Core	3
5	Technopreneurship	CSC60403	None	Common Core	3

YEAR 2 ***SEMESTER 6***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Elective 4		None	Elective	4
2	Web Applications using .NET Technologies	ITS61404	ITS60804	Systems/ Internet Elective	4
3	Windows Applications using .NET Technologies	ITS61704	ITS60804	Discipline Core	4
4	XML Technologies	ITS62504	ITS61104	Internet Elective	4

ELECTIVE MODULES

No	Module title	Code	Prerequisites	Status	Credit hours
1	C Programming	ITS60304	None	Elective	4
2	Computer Crime and Digital Evidence	ITS60904	None	Elective	4
3	Data Structures and Algorithms	ITS60504	ITS60304	Elective	4
4	Introduction to Accounting	ACC60104	None	Elective	4
5	Introduction to Management	MGT60104	None	Elective	4
6	Object-oriented Programming using C++	ITS61804	ITS60804	Elective	4
7	Online Presence Management**	CSC60103	None	Elective	3
8	Organisational Behaviour	OBM60104	None	Elective	4
9	Principles of Marketing	MKT60104	None	Elective	4
10	Project Management	CSC60703	ITS60704	Elective	3

*Introduction to SAP ERP professional training embedded

**leads to Google Online Professional Certification

YEAR 1 ***SEMESTER 1***

Module title	Code	Synopsis
Computer Systems	ITS60404	This module introduces the fundamentals of computer systems. Topics covered include data representation, data conversion, logic circuits and digital arithmetic.
Mathematics for Computing 1	MTH60104	This module will introduce the students to the discrete mathematical skills required in the field of computing and information technology.
Systems Analysis and Design	ITS60103	The course provides basic understanding and practical skills of system analysis and design. It will help students to work in information systems related field in the future.

YEAR 1 ***SEMESTER 2***

Module title	Code	Synopsis
Communication Practice for IT Professionals	COM60303	This practice-based course is designed to provide students with knowledge and a practical understanding of the concepts and theories of information and communication. The course aims to equip students working with information systems with information literacy and communication skills essential for their academic work and for their future professional roles in the IT industry. Lectures will provide the theoretical basis and instruction while tutorials, practical sessions and group project work will provide training in written and oral communication as well as a realistic experience of working in teams. The knowledge and training gained in this course will help develop key skills necessary for life-long learning.
Fundamentals of Software Engineering	ITS60704	This course is about understanding what we need to know before software is built, how to obtain that information, how to analyze and understand and subsequently design it. It also looks at the process and management you should incorporate to discover and create this information.
Internet Fundamentals	CSC60204	The subject advances the student's knowledge and understanding of the role that internet and web applications have in modern working and personal environments. It provides theoretical and case-study perspectives on how internet technology may help students to communicate with the rest of the world. The student will be presented with the previous and current internet technologies and web applications, as well as the available of website development tools. The student will encounter practical experience in developing simple websites with both HTML and web authoring tools.

Web Systems and Technologies	ITS61104	This module introduces the student to the basics of web technology concepts, the principles and tools that can be used to develop web applications. Topics would include internet protocols, HTML and XML files, client processing with Javascript and server side processing with PHP.

YEAR 2 ***SEMESTER 3***

Module title	Code	Synopsis
Fundamentals of Data Communications	ITS60203	This subject will provide a broad introduction to the fundamentals of data communications and network technology. Emphasis is on higher aspects of data communications from perspective of the computer scientist and information technologist in the communication of data, and the interaction of remote systems.
Fundamentals of Database Systems	ITS60604	This course is an introduction to the principles, use, and applications of database systems. Students who complete the course will be able to design and create databases, be able to extract information from databases, understand in broad terms how database systems work, and understand the purposes for which databases are used.
Introduction to Object-Oriented Programming	ITS60804	This course introduces the fundamentals of Object-Oriented Programming using Java. Topics covered include Object-Oriented programming concepts, classes, inheritance, polymorphism, abstract classes, interfaces, and exception handling.

YEAR 2 ***SEMESTER 4***

Module title	Code	Synopsis
Object-Oriented Programming using Java	ITS61004	This course introduces the fundamentals of Object-Oriented Programming using Java. Topics covered include Object-Oriented programming concepts, classes, inheritance, polymorphism, abstract classes, interfaces, and exception handling.
Operating Systems	ITS60503	This subject aims to introduce fundamental principles, strategies and algorithms used in operating systems.
Web Database Applications	ITS62304	This module introduces students to the principles and practice of implementing and designing medium-size web database applications. Topics include server side scripting, session management, authentication and authorization. 60% of the assessment is assignment work, emphasizing the practical nature of the subject.

YEAR 3 ***SEMESTER 5***

Module title	Code	Synopsis
Enterprise Computing	ITS61703	The purpose of this course is to provide students with a comprehensive understanding of enterprise resource planning (ERP) concepts, business processes, software configuration and system implementation. This is very much a hands-on course (with heavy lab sessions) and requires the active participation of enrolled students.
Mobile Applications Development	ITS62204	This course will introduce students to mobile computing and mobile application development. Mobile computing will be discussed from three perspectives: mobile technology, application development, and user interaction. The course first overview various mobile computing applications, mobile web applications and technologies. Next, students will be introduced to and use mobile application frameworks and development environments to reinforce concepts covered in lectures. User interface and user experience will be discussed and application development guidelines from various vendors will be discussed and analyzed. Lastly, the course will look at the Global Positioning System and some current mobile web applications. Students will be expected to implement the mobile applications and mobile web application in their assignments.
Multimedia Systems	CSC60304	This course will introduce students to multimedia system incorporate various media such as text, graphics, audio and video according to user-centered system design approach. Students are required to design, implement and evaluate a multimedia system based on the usability and user modelling
Professional Computing Practice	CSC60303	This module is an introduction to professional computing practices. It is intended for computer science and IT students who have not studied business principles, or who have little work experience in the industry. The module provides a survival kit for computer science and IT graduates entering the work force. The module considers computer ethical issues, such as information privacy, computer crime, computer misuse. The module considers the international legal framework available to protect software system development. This includes non-disclosure agreements, employment contracts, intellectual property law (copyright, patent, licensing, and royalties), trademarks and warranty disclaimers. The module also considers the how ethics and law affect software system development.
Technopreneurship	CSC60403	This course introduces students to the technopreneurship IT Professionals, its process, the kind of mind-set is required, starting a new business with a proper plan, financing the venture and finally managing & growing the venture.

YEAR 3 ***SEMESTER 6***

Module title	Code	Synopsis
Web Applications using .NET Technologies	ITS61404	This course introduces the ASP.NET, ADO.NET, security and web services. Topics covered include the .NET framework in relation to Web applications, ASP.NET server controls, ADO.NET, SQL Server, .NET security, and web services.
Windows Applications using .Net Technologies	ITS61704	This subject is designed to provide the candidate with an introduction to psychological and behavioral approaches to the study of work and organizations. The course introduces some of the basic analytical tools and concepts from the fields of organizational behavior and work psychology that encourage an understanding of the behavior of individuals and groups in the workplace.
XML Technologies	ITS62504	Markup languages describe structure in documents and make intended meaning explicit. The eXtensible Markup Language (XML) is a markup language designed for use on the World Wide Web. XML skills are now essential in many computer science and information technology roles. This module is an introduction to the principles, use, and application of document markup languages, especially for use on the World Wide Web, focusing on XML. Topics include document markup languages (especially XML); document description languages (such as Document Type Definitions (DTDs) and XML Schemas); XML namespaces; document transformation and manipulation (using eXtensible Stylesheet Language Transformations (XSLT) and XML APIs, such as the Simple API for XML (SAX) and the Document Object Model (DOM)); document query languages (specifically XQuery); and XML databases.

ELECTIVE MODULES

Module title	Code	Synopsis
Web Applications using .NET Technologies	ITS61404	This course introduces the ASP.NET, ADO.NET, security and web services. Topics covered include the .NET framework in relation to Web applications, ASP.NET server controls, ADO.NET, SQL Server, .NET security, and web services.
Computer Crime and Digital Evidence	ITS60904	The subject looks into legal matters, and categories of computer crime: offences against confidentiality and integrity; computer-related offences (e.g. fraud, forgery, copyright etc.); content-related offences (e.g. child pornography). Students will explore the laws pertaining to computer crime: Malaysian Cyberlaws, the UK Computer Misuse Act 1990; the EU CyberCrime Convention 2003; and applicable international law may also be presented. Students will learn to apply law

		relating to evidence in Malaysia specifically, and selected countries of the world generally; and the challenges in applying existing legislation to forensic computing. Students will understand the responsibilities of a Forensic Computing practitioner: securing evidence; ensuring continuity of evidence; use of auditable procedures when investigating evidence; admissibility of evidence; the need for impartiality; regulation and licensing. This subject also explores computer crime investigation and incident response, and forms of digital evidence: emails, documents, images, residual information. This subject also introduces students to the investigative strategies for digital evidence and computer crime scenes.
Data Structures and Algorithms	ITS60504	This course introduces students to algorithm analysis and discusses the working of various data structures in details. Topics covered include Principles of Algorithms Analysis, Linked Lists, Stacks and Queues, Trees and Recursion, Hashing, Sorting Methods, Binary Search Trees and Graph Theory.
Introduction to Accounting	ACC60104	This module is an introduction to the technical aspects of financial accounting, as well as to the financial community. As a member of the financial community you will be expected to be update on current business and financial events. Now is a good time to start a regular habit of reading the accounting and financial press.
Introduction to Accounting	ACC60104	This module is an introduction to the technical aspects of financial accounting, as well as to the financial community. As a member of the financial community you will be expected to be update on current business and financial events. Now is a good time to start a regular habit of reading the accounting and financial press.
OOP using C++	ITS61804	This course strengthens students' understanding of object-oriented programming concept and introduces them to OO concepts supported in C++. Topics covered include inheritance, polymorphism, and generic programming, Standard Template Library, and design patterns.
Online Presence Management	CSC60103	The module provides students with the state of the art training in using cloud computing technologies and applications. Provides hands-on project opportunities for students to build online applications that can enhance business productivity, create online presence, understanding and engaging customers with social media and analyzing online presence using different web tool technologies.
Organizational Behaviour	OBM60104	This module is designed to provide the candidate with an introduction to psychological and behavioral approaches to the study of work and organizations. The module introduces some of the basic analytical tools and concepts from the fields of organizational behavior and work psychology that

		encourage an understanding of the behavior of individuals and groups in the workplace.
Principles of Marketing	MKT60104	This module introduces students to the key marketing concepts and strategies employed by marketers in facing the challenges in a dynamic business environment. It develops an understanding of the overall process of planning, implementation and control in the contemporary business environment. This module provides students with the needed conceptual skills to identify analyze and solve marketing problems. This module also provides a foundation for those who intend to further study in the marketing field or other business related courses.
Project Management	CSC60703	This subject is designed to establish the concept that effective project management ensures that a project is completed on time, within budget, and with high quality. It provides theoretical and case-study perspectives on how project management may help students to manage their projects. Topics to be discussed include: Project Management Concepts, Overview of Project Planning, Software Effort Management, Risk Management, Resources Management, Project Monitoring and Control.

PROGRAMME: BACHELOR OF COMPUTER SCIENCE

YEAR 1 ***SEMESTER 1***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Computer Systems	ITS60404	None	Common Core	4
2	Elective 1	-	None	Elective	4
3	Mathematics for Computing 1	MTH60104	None	Common Core	3
4	Systems Analysis and Design	ITS60103	None	Common Core	3

YEAR 1 ***SEMESTER 2***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Computer Systems	ITS60404	None	Common Core	3
	Elective 1	-	None	Elective	3
	Fundamentals of Software Engineering	ITS60704	None	Common Core	4
	Web Systems and Technologies	ITS61104	None	Discipline Core	4

YEAR 2 ***SEMESTER 3***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Data Structures and Algorithms	ITS60504	ITS60304	Common Core	4
2	Fundamentals of Data Communications	ITS60203	None	Common Core	3
3	Fundamentals of Database Systems	ITS60604	None	Common Core	4
4	Introduction to Object-Oriented Programming	ITS60804	None	Common Core	4
5	Software Design2	ITS60603	ITS60704	Common Core	3

YEAR 2 ***SEMESTER 4***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Computing Theory	ITS60403	MTH60104	Common Core	3
2	Distributed Application Development	ITS61604	ITS60804	Discipline Core	4
3	Object-oriented Programming using C++	ITS61804	ITS60804	Discipline Core	4
4	Operating Systems	ITS60503	None	Common Core	3
5	User Interface Programming and Graphics	ITS60303	ITS60804	Common Core	3

YEAR 3 ***SEMESTER 5***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Artificial Intelligence	ITS61403	CSC60403	Discipline Core	3
2	Elective 2	-	None	Elective	3
3	Object-Oriented Programming using Java	ITS61004	ITS60804	Discipline Core	4
4	Professional Computing Practice	CSC60303	None	Discipline Core	3
5	Technopreneurship	CSC60403	None	Common Core	3

YEAR 3 ***SEMESTER 6***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Advanced Database Systems	ITS62004	ITS60604	Discipline Core	4
2	Elective 3	-	None	Elective	4
3	Elective 4	-	None	Elective	4
4	Windows Applications using .NET Technologies	ITS61704	ITS60804	Discipline Core	4

ELECTIVE MODULES

No	Module title	Code	Prerequisites	Status	Credit hours
1	Computer Crime and Digital Evidence	ITS60904	None	Elective	4
2	Data Mining	ITS61504	ITS61004	Elective	4
3	Enterprise Computing*	ITS61703	None	Elective	3
4	Mobile Applications Development	ITS62204	ITS60804	Elective	4
5	Multimedia Systems	CSC60304	ITS62304	Elective	4
6	Online Presence Management**	CSC60103	None	Elective	3
7	UNIX Programming	ITS61304	ITS60503	Elective	4
8	Web Applications Using .NET Technologies	ITS61404	ITS60804	Elective	4
9	Web Database Applications	ITS62304	ITS61104	Elective	4
10	XML Technologies	ITS62504	ITS61104	Elective	4

MODULE SYNOPSIS

YEAR 1 ***SEMESTER 1***

Module title	Code	Synopsis
Computer Systems	ITS60404	This course introduces the fundamentals of computer systems. Topics covered include data representation, data conversion, logic circuits and digital arithmetic.
Mathematics for Computing 1	MTH60104	This module will introduce the students to the discrete mathematical skills required in the field of computing and information technology.
Systems Analysis and Design	ITS60103	The course provides basic understanding and practical skills of system analysis and design. It will help students to work in information systems related field in the future.

YEAR 1 ***SEMESTER 2***

Module title	Code	Synopsis
Computer Systems	ITS60404	This course introduces the fundamentals of computer systems. Topics covered include data representation, data conversion, logic circuits and digital arithmetic.
Fundamentals of Software Engineering	ITS60704	This course is about understanding what we need to know before software is built, how to obtain that information, how to analyze and understand and subsequently design it. It also looks at the process and management you should incorporate to discover and create this information.
Web Systems and Technologies	ITS61104	This module introduces the student to the basics of web technology concepts, the principles and tools that can be used to develop web applications. Topics would include internet protocols, HTML and XML files, client processing with Javascript and server side processing with PHP.

YEAR 2 ***SEMESTER 3***

Module title	Code	Synopsis
Data Structures and Algorithms	ITS60504	This course introduces students to algorithm analysis and discusses the working of various data structures in details. Topics covered include Principles of Algorithms Analysis, Linked Lists, Stacks and Queues, Trees and Recursion, Hashing, Sorting Methods, Binary Search Trees and Graph Theory.
Fundamentals of Data Communications	ITS60203	This subject will provide a broad introduction to the fundamentals of data communications and network technology. Emphasis is on higher aspects of data communications from perspective of the computer scientist and information technologist in the communication of data, and the interaction of remote systems.
Fundamentals of Database Systems	ITS60604	This course is an introduction to the principles, use, and applications of database systems. Students who complete the course will be able to design and create databases, be able to extract information from databases, understand in broad terms how database systems work, and understand the purposes for which databases are used.
Introduction to Object-Oriented Programming	ITS60804	This course introduces the fundamentals of Object-Oriented Programming using Java. Topics covered include Object-Oriented programming concepts, classes, inheritance, polymorphism, abstract classes, interfaces, and exception handling.
Software Design	ITS60603	The subject advances the student's knowledge and understanding of the fundamentals of software engineering; focusing on the software design phase/stage. Students learn and gain practical skills in software design architectures like

		the role of decomposition, components / subsystems, interfaces, separation of concerns, layers, architectural styles and patterns. Students also are taught advanced software design principle of design patterns; patterns definition, history of patterns, pattern languages, pattern communities, designing patterns both from general usage (i.e. model view controller, iterator and wrapper). Students in the end are expected to implement their knowledge using CASE tools and Java programming.

YEAR 2 ***SEMESTER 4***

Module title	Code	Synopsis
Computing Theory	ITS60403	This subject aims to introduce students to foundational issues in computer science. This includes the study of measuring how long computations may take, probabilistic approaches to difficult problems, the principles of cryptography, the use of grammars to specify syntax rules, formal models of computation, and computability properties. The emphasis is on understanding and application of techniques, rather than formal mathematical proofs.
Distributed Application Development	ITS61604	This course introduces the concepts of distributed application development. Topics covered include client-server model and programming in socket level and using Remote Method Invocation (RMI). Laboratory instruction will include program development and walk-through.
OO Programming using C++	ITS61804	This course strengthens students' understanding of object-oriented programming concept and introduces them to OO concepts supported in C++. Topics covered include inheritance, polymorphism, generic programming, Standard Template Library, and design patterns.
Operating Systems	ITS60503	This subject aims to introduce fundamental principles, strategies and algorithms used in operating systems.
User Interface Programming and Graphics	ITS60303	Computer graphics has become such a large and important field. The implementation of graphical human-computer interfaces is an issue both in HCI and in graphics. The course also covers linear algebra and 2D geometry relevant to computer graphics and is intended to parallel and supplement the more theoretical development presented in the first year mathematics course.

YEAR 3 ***SEMESTER 5***

Module title	Code	Synopsis
Artificial Intelligence	ITS61403	This course is designed to introduce to the students the techniques and algorithms used in Artificial Intelligence.
Artificial Intelligence	ITS61403	This course is designed to introduce to the students the techniques and algorithms used in Artificial Intelligence.
Professional Computing Practice	CSC60303	This subject is an introduction to professional computing practices. It is intended for computer science and IT students who have not studied business principles, or who have little work experience in the industry. The subject provides a survival kit for computer science and IT graduates entering the work force. The subject considers computer ethical issues, such as information privacy, computer crime, computer misuse. The subject considers the international legal framework available to protect software system development. This includes non-disclosure agreements, employment contracts, intellectual property law (copyright, patent, licensing, and royalties), trademarks and warranty disclaimers. The subject also considers the how ethics and law affect software system development.
Technopreneurship	CSC60403	This course introduces students to the technopreneurship IT Professionals, its process, the kind of mind-set is required, starting a new business with a proper plan, financing the venture and finally managing & growing the venture.

YEAR 3 ***SEMESTER 6***

Module title	Code	Synopsis
Advanced Database Systems	ITS62004	The subject aims to broaden knowledge of the implementation of database systems and to introduce emerging database technologies, including information retrieval, and spatial databases. File structures and indexing are discussed, and analytical details presented, that enable students to understand efficiency in query evaluation. The idea of the transaction is introduced along with the necessity of concurrency control and. Issues of backup and recovery for databases are discussed.
Windows Applications using .Net Technologies	ITS61704	This subject is designed to provide the candidate with an introduction to psychological and behavioral approaches to the study of work and organizations. The course introduces some of the basic analytical tools and concepts from the fields of organizational behavior and work psychology that encourage an understanding of the behavior of individuals and groups in the workplace.

ELECTIVE MODULES

Module title	Code	Synopsis
Computer Crime and Digital Evidence	ITS60904	The subject looks into legal matters, and categories of computer crime: offences against confidentiality and integrity; computer-related offences (e.g. fraud, forgery, copyright etc.); content-related offences (e.g. child pornography). Students will explore the laws pertaining to computer crime: Malaysian Cyberlaws, the UK Computer Misuse Act 1990; the EU CyberCrime Convention 2003; and applicable international law may also be presented. Students will learn to apply law relating to evidence in Malaysia specifically, and selected countries of the world generally; and the challenges in applying existing legislation to forensic computing. Students will understand the responsibilities of a Forensic Computing practitioner: securing evidence; ensuring continuity of evidence; use of auditable procedures when investigating evidence; admissibility of evidence; the need for impartiality; regulation and licensing. This subject also explores computer crime investigation and incident response, and forms of digital evidence: emails, documents, images, residual information. This subject also introduces students to the investigative strategies for digital evidence and computer crime scenes.
Data Mining	ITS61504	This course is designed to introduce to the students the algorithms and data structures used in information retrieval including the inverted index, natural language processing, query processing, Measuring quality of search engine and documents classification.
Enterprise Computing	ITS61703	The purpose of this course is to provide students with a comprehensive understanding of enterprise resource planning (ERP) concepts, business processes, software configuration and system implementation. This is very much a hands-on course (with heavy lab sessions) and requires the active participation of enrolled students.
Mobile Applications Development	ITS62204	This course will introduce students to mobile computing and mobile application development. Mobile computing will be discussed from three perspectives: mobile technology, application development, and user interaction. The course first overview various mobile computing applications, mobile web applications and technologies. Next, students will be introduced to and use mobile application frameworks and development environments to reinforce concepts covered in lectures. User interface and user experience will be discussed and application development guidelines from various vendors will be discussed and analyzed. Lastly, the course will look at the Global Positioning System and some current mobile web

		applications. Students will be expected to implement the mobile applications and mobile web application in their assignments.
Multimedia Systems	CSC60304	This course will introduce students to multimedia system incorporate various media such as text, graphics, audio and video according to user-centred system design approach. Students are required to design, implement and evaluate a multimedia system based on the usability and user modelling.
Online Presence Management	CSC60103	The module provides students with the state of the art training in using cloud computing technologies and applications. Provides hands-on project opportunities for students to build online applications that can enhance business productivity, create online presence, understanding and engaging customers with social media and analyzing online presence using different web tool technologies.
UNIX Programming	ITS61304	This subject is designed to introduce the Unix System Administration, Shell scripting and networking technology in Unix system.
Web Applications using .NET Technologies	ITS61404	This course introduces the ASP.NET, ADO.NET, security and web services. Topics covered include the .NET framework in relation to Web applications, ASP.NET server controls, ADO.NET, SQL Server, .NET security, and web services.
Web Database Applications	ITS62304	This module introduces students to the principles and practice of implementing and designing medium-size web database applications. Topics include server side scripting, session management, authentication and authorization. 60% of the assessment is assignment work, emphasizing the practical nature of the subject.
XML Technologies	ITS62504	Markup languages describe structure in documents and make intended meaning explicit. The eXtensible Markup Language (XML) is a markup language designed for use on the World Wide Web. XML skills are now essential in many computer science and information technology roles. This module is an introduction to the principles, use, and application of document markup languages, especially for use on the World Wide Web, focusing on XML. Topics include document markup languages (especially XML); document description languages (such as Document Type Definitions (DTDs) and XML Schemas); XML namespaces; document transformation and manipulation (using eXtensibleStylesheet Language Transformations (XSLT) and XML APIs, such as the Simple API for XML (SAX) and the Document Object Model (DOM)); document query languages (specifically XQuery); and XML databases.

PROGRAMME: BACHELOR OF SCIENCE (HONS) ARCHITECTURE

YEAR 1 ***SEMESTER 1***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Architectural Design Studio I	ARC60105	None	Core	5
2	Architecture Culture and History I	ARC60103	None	Core	3
3	Building Materials	BLD60103	None	Core	3
4	Design Communication	ARC60303	None	Core	3

YEAR 1 ***SEMESTER 2***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Architectural Design Studio II	ARC60205	ARC60105	Core	5
2	Architecture Culture and History II	ARC60203	ARC60103	Core	3
3	Environmental Sustainable Design	BLD60203	None	Core	3
4	Building Construction I	BLD60303	BLD60103	Core	

YEAR 2 ***SEMESTER 3***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Architectural Design Studio III	ARC60106	ARC60205	Core	6
2	Building Science I	BLD60803	None	Core	3
3	Building Construction II	BLD60703	BLD60303	Core	3
4	Computer Applications	CSC60503	None	Core	3

YEAR 2 ***SEMESTER 4***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Architectural Design Studio IV	ARC60206	ARC60106	Core	6
2	Asian Architecture	ARC60403	None	Core	3
3	Building Services	BLD60903	None	Core	3
4	Building Structures	BLD61003	BLD60703	Core	3

YEAR 3 ***SEMESTER 5***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Architectural Design Studio V	ARC60306	ARC60206	Core	6
2	Building Science II	BLD61303	BLD60803	Core	3
3	Building Technology I	BLD61403	BLD60703	Core	3
4	Theories of Architecture and Urbanism	ARC61303	None	Core	3
5	Elective	-	None	Core Elective	3

YEAR 3 ***SEMESTER 6***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Architectural Design Project	ARC60108	ARC60306 & BLD61303	Core	8
2	Building Technology II	BLD60404	BLD61403	Core	4
3	Project Management	MGT60403	None	Core	3
4	Core Elective	-	None	Core	3

ELECTIVE MODULES

No	Module title	Code	Prerequisites	Credit hours
1	Aesthetic Components and Effects	ARC61503	None	3
2	Architectural Conservation	ARC60703	None	3
3	Architecture and Comics: The Visual Narrative	ARC60903	None	3
4	Architecture and Nation Building	ARC60503	None	3
5	Architecture and Tourism	ARC61703	None	3
6	Architecture in the Humanities	ARC61203	None	3
7	Architecture Techniques	GRA60103	None	3
8	Costing in Architecture	ARC61603	None	3
9	Design and Making	ARC61103	None	3
10	Food and Culture	CLS60203	None	3
11	Islamic Architecture	ARC60803	None	3

12	Landscape Architecture	ARC61403	None	3
13	Nature and Architecture	BLD61703	None	3
14	Photography	VSA60103	None	3
15	Tales of Three Cities	ARC61003	None	3
16	Re-presenting Place	CLS60103	None	3
17	Technology in Architecture	BLD61603	None	3
18	Thinking Architecture	ARC60603	None	3
19	Architectural Portfolio	GRA60203	None	3
20	In Adaptation	ARC61803	None	3
21	Theory in Malaysian Architecture	ARC62003	None	3
22	Shape Grammar	ARC61903	None	3

MODULE SYNOPSIS

YEAR 1 ***SEMESTER 1***

Module title	Code	Synopsis
Architectural Design Studio I	ARC 60105	The module is a design studio which introduces the concept of '*Body and Space'*. This studio introduces the basic understanding of human anthropometric and its relationship in space making. Students will undertake a series of studio-based exercises and assignments that introduce the basic principles and methods in design thinking through the design a basic object to a full-size personal space. The first project deals with the interpretation of the 'self' and an introduction to design through the process of making an object; the second project grapples with the issue of scale, space and basic awareness of assembly through a collaborative exploration of study models and the construction of a 1:1 space; and the third project involves the design of an individual space grafted into an existing simple architectural space. This final project explores the perceptual qualities of space, and the considerations of scale, proportion and anthropometrics. It takes into account basic awareness of program, materials, structure and construction. This module is integrated with Building Materials which requires students to explore material selection in their design work.

Architecture Culture and History I	ARC 60103	The module introduces a chronological survey of the developments of Western Architecture from the beginning of time to the period of Enlightenment, with consideration of the intellectual, aesthetic, technological, political, and economic factors which have influenced the design of buildings. These issues are explored with reference to major contemporary examples and the work and philosophy of significant exponents.
Building Materials	BLD 60103	The module informs students about the relevant visual and physical properties of a wide range of building materials. It also encompasses the broad environmental debate by including energy saving and recycled materials. For each material, the module describes the manufacturing process, salient properties and typical uses of these materials, with the aim of ensuring their appropriate application within the awareness of the suitability of the physical and chemical properties as well as its ecological impact.
Design Communication	ARC 60303	The module introduces fundamental skills for the appropriate communication of architectural design. It engages different means of visualization and expression of space and spatial ideas through architectural drawings and modelling to prepare students with the skills required in Design projects. These skills are taught through a series of freehand, constructed drawing, and architectural modelling held both outdoors and in the studio.

YEAR 1 ***SEMESTER 2***

Module title	**Code**	**Synopsis**
Architectural Design Studio II	ARC 60205	The module is a design studio that emphasizes the theme of 'user and its context'. Students will undertake a series of studio-based exercises, beginning from prototype studies to a small free standing building through the process of making and drawing. The first project requires students to 'learn from precedents' by interpretation and exploration of solids, planes, lines and frames in architectural design. Subsequently, students are required to design a small free standing dwelling (which has one significant room) for a particular user in an open site context. They are required to explore the surfaces, openings, and partitions of this space through the process of drawing and model making, with considerations of scale, proportion and anthropometrics. Emphasis is given to the interpretation and synthesis of the user, simple site and function in architectural design. This module is integrated with Building Construction 1 to instill awareness of buildability in design.

Architecture Culture and History II	ARC 60203	The module will provide a further investigation on the historical development of architecture through a detailed account of the principal developments in the Western world from the revolutionary period to the present day. It will be explored with reference to major contemporary examples and the work and philosophy of significant exponents.
Environmental Sustainable Design	BLD 60203	The module introduces students to environmental issues and provides some in-depth understanding of the complexities and interactions that the design and construction professions have to deal with to contain some of the irreversible damage that human settlement causes to the environment.
Building Construction I	BLD 60303	The module is the first part of building construction. It develops an understanding of the principles and practices of construction technology in relation to site, plants, soil mechanics, building envelope, and building components "below ground", basement and foundation, "on ground"; floor and staircase, beam and column, wall and opening and "above ground", roof and ceiling.

YEAR 2 ***SEMESTER 3***

Module title	Code	Synopsis
Architectural Design Studio III	ARC 60106	The module is a design studio which emphasizes on '*experiencing space and place'* in architecture. In the subject, students are introduced to, firstly, an exploration of spatial typologies and poetics in architecture; and secondly, the concept of neighborhood and community. In their preliminary design work, students engage with studies and design of different spatial typologies (i.e. linear, spiral, spine, centric, etc) for a simple dwelling space which explores the idea of architectural tectonics and experiences. Subsequently, the major project involves the design of a small scale community building (e.g. gallery, small library) in the open landscape/suburban condition which engages with the spirit of place inherent within the site, the site topography, history and socio-cultural events. The design work explores the plan-section integration to achieve architectural form that is tectonically expressive, functional and responsive to its site. This studio is integrated with Building Science 1 to instill awareness of considerations of thermal comfort by exploring strategies that reflect the climate and context of the building.
Building Science I	BLD 60803	The module is an introduction to the factors that affect the thermal performance of buildings. Its aim is to facilitate

		students to create acceptable designs which are sustainable (minimizing the use of mechanical cooling systems) and comfortable. The emphasis is on creating acceptable indoor thermal conditions thus minimizing the use of space heating and cooling. Students will also be introduced to MS1525 and Green Building Index (GBI) which provides guidelines to creating a more sustainable design in Malaysia.
Building Construction II	BLD 60703	The module aims to introduce structures as architecture by developing an understanding of the structural systems in construction technology in a unique way in relation to historical and innovative buildings. Solid, skeletal and surface construction systems are discussed and analyzed in terms of load and forces in a general term.
Computer Applications	CSC 60503	The module introduces students to the world of Computer Generated 3-Dimensional drawings. They are encouraged to carry out self-research with regards to the other capabilities and more complicated features of 3D Studio Max and Rhinoceros. Students will also be taught the potential of "cross breeding" different software, in order to garner the necessary desired results for their visualization work.

YEAR 2 ***SEMESTER 4***

Module title	Code	Synopsis
Architectural Design Studio IV	ARC 60206	The module is a design studio which emphasizes on the theme of '*sustainable communities and environments*. In this studio, students explore design by harnessing environmental qualities and conditions for sustainability within the given contexts with two projects. The first project involves precedent studies on appropriate and interesting design projects which are responsive to the environmental conditions and sustainable issues, leading to the design of small community space in a suburban/open landscape. This small space will allow students to focus and explore the environmental poetics of the building enclosure that respond to the basic natural context such as the sun, wind, heat, cold, energy issue, and the existing building context. Using the ideas and studies in Project 1, students then explore a larger project (which has clustered built forms) for a specific community of users. This includes the complexity of the programme, site topography and vegetation, socio-cultural events, and variety of passive strategies for sustainable design. The design work should contribute to and merge harmoniously with nature and the site, and provide the best of experiences for the community of users. Students are required to demonstrate applications of knowledge gained from Environmentally Sustainable Design and Building Science 1.

Asian Architecture	ARC 60403	The module explores the history of South, Southeast and East Asian architecture as a whole within a systematic treatment of architectural design and construction, building science and technology, garden design and city planning through three key themes: tradition, modernity and globalization. These themes will guide the organization of weekly lecture and seminar sessions, which will proceed from the establishment of a basic theoretical apparatus to the examination of specific cases. Students will develop a written synopsis of a designated reading, an oral seminar presentation of a specific discussion in relation to the designated reading, and an in-depth and analytical research paper on the designated topic.
Building Services	BLD 60903	The module is an introduction to services that are commonly provided in a building, primarily cold water treatment and supply, sewerage disposal and treatment, storm water management, electrical supply in medium rise buildings, fire protection in buildings (active and passive), mechanical ventilation, air-conditioning systems and vertical transportation systems (elevator, escalator and travellator). Students are also made familiar with basics requirements, Uniform Building By-Law (UBBL), planning, coordination and installation of these services.
Building Structures	BLD 61003	The module covers principles of selecting appropriate structural systems and designing elements and structures, an introduction to structural analysis, deflections, structural design as well as the application of structural design codes including loading codes. The module also covers soil mechanics, including the characteristics and physical properties of rocks and soils as well as their influence on the design of building footings and building behavior.

YEAR 3 ***SEMESTER 5***

Module title	**Code**	**Synopsis**
Architectural Design Studio V	ARC 60306	The module is a design studio which emphasizes on the idea of *'place making for the urban communities'*. Students will undertake a studio-based exercise which deals with urban infill within a dense urban environment. The two major parts of the studio are a) urban contextual study and b) architectural design development. The final outcome is an architectural design that is responsive to its urban character. In their preliminary design work, students engage with urban studies and strategy/concept development to develop an appropriate programme and massing studies responding to the urban conditions. Subsequently, the major project involves the development of a design scheme which engages with the spirit of urban place and the everyday life of the urban community.

		The design work explores the plan-section-elevation relationship to achieve an architecture that acts as a vibrant infill exploring the maximum potential of the urban space. This module is integrated with Building Science 2 where students are required to consider lighting in their design. Students will be required to develop a set of Working Drawings for the final project of their design work in Building Technology 2 the following semester.
Building Science II	BLD 61303	The module introduces building acoustics in relation to building design and construction. Students are introduced to the field through acoustic history, practical measurements, sound insulation, reverberation, and noise, internal and external to the building. Students are also given the opportunity to use lux meter and sound pressure level meters to experience illuminance and sound level. Students are exposed to day lighting strategies, permanent and supplementary artificial lighting of interior, various types of artificial light sources, the importance of Colour Rendering Index (CRI) and simple calculation to determine uniform lighting for interiors.
Building Technology I	BLD 61403	The module introduces principles, practices and details of construction technology in the process of documentation. Students collect data, analyse and evaluate one selected architect designed residential or a small scale commercial construction. The documentation process covers the construction principles, materials, techniques, codes of practice, process of assembly, and detailing of the selected project.
Theories of Architecture and Urbanism	ARC 61303	The The module introduces thematic inquiry into architectural theory in the broader context of philosophical schools of thought and cultural and social conditions, which includes modernism, postmodernism, phenomenology, semiotics, post-structuralism, and deconstruction. These themes will guide the organization of weekly lecture and seminar sessions, which will proceed from the establishment of a basic theoretical apparatus to the examination of specific cases. These will supply us with tools for the analysis of specific architectural situations. Students will develop a written synopsis of a designated reading, an oral seminar presentation of a specific discussion in relation to the designated reading, and an in-depth and analytical research paper on the designated topic.

YEAR 3 ***SEMESTER 6***

Module title	Code	Synopsis

Architectural Design Project	ARC 60108	Architectural Design Project is a studio that forms the cap stone project for the B Sc. (Honours) (Architecture) programme, emphasizing on (1) the broad theme of *sustaining humanities and (2) resolution of architectural design.* It focuses on the development of students' ability to integrate considerations of technology, environment and cultural context in architectural design, and offers a platform for students to develop their own position in developing their individual project. This is a thematic studio based on the theme of 'sustaining humanities''—architecture for people, place and time. Students are required to propose and develop a programme that address the needs of the required user group, as well as provide spaces that invite interaction with the surrounding contextual conditions. Subsequently, students are to produce detailed design of a selected portion of design. The design work is to be supported by a comprehensive written design report of approximately 5000 words. This module is integrated with Building Technology 2 and Project Management.
Building Technology II	BLD 60404	The module provides an opportunity for students to apply the principles, practices and details of construction technology in the process of documenting their design project. Students are exposed to the variety of drawing submissions required by authorities/by laws, before a project can be executed.
Project Management	MGT 60403	The module introduces students to the principle, techniques and managerial issues which form the process of project management. The area of study will focus in particular on project management in a construction context but will also make considerable reference to other fields of commercial and business activity to emphasize the broad applicability of the principles.

ELECTIVE MODULES

Module title	Code	Synopsis
Aesthetic Components and Effects	ARC 61503	The module interrogates the possibilities that evolve around abstracted boundaries. Transcending into mindsets, thinking and imagination(s) of avant-garde and contemporary arts/philosophy, students confront architectural envelope conceptions. Facade design should be as much an art as much as a technical science as much a building proponent.
Architectural Conservation	ARC 60703	The module introduces to the students the history, theory and current issues of conservation practice in Malaysia and beyond. Exploration of theories of what, how and why we conserve will be emphasize in order for students to

		understand current conservation practice and issues. Students will undergo a series of continuous assessments such as discussion, seminars, field trips and projects to ascertain the objective and outcome of the module is achieved.
Architecture and Comics: The Visual Narrative	ARC 60903	The overlap of Architecture and Comics is not immediate, but obvious: the design process up until presentation and all form of 2D documentation for the building industry holds identical tenets common in all sequential art, otherwise known as comics. These are composition, clarity, conveyance of ideas or information in black and white. Although the formats may differ, in both mediums of comics and architectural presentations, similar rules of hatching, line weights, positive/negative paper space and recurring visual themes are important. Bjarke Ingel's architectural monograph in comic book format "Yes is More" is only one recent culmination of the two arts. The module intends to highlight the similarities between two forms – architecture and comics. Through an understanding and exploration of one (comics), common skill sets can be honed, benefiting the other.
Architecture and Nation Building	ARC 60503	The module intends to present to the students the idea of the new Malaysian Architecture identity. It is based on the humanistic, cultural and political values of multi-cultural Malaysia. It will present modernists architectural values as well as post-modernist reconstruction of history and architectural vocabulary to transfer the value into built form. Students will undergo a series of continuous assessments such as seminar, project, and discussion to ascertain the objective and outcome of the module is achieved.
Architecture and Tourism	ARC 61703	The module focuses on the aspect of architecture which fosters a poetic imagination in the viewer's mind; the class will examine the ways a building's design contributes to the "world" of literature, film, theatre, or painting. The exploration is intended to benefit the students of architecture, literature, theatre, history and arts in their professional development, and also to help the future general public understand architecture's potential contribution to their lives.
Architecture Techniques	GRA 60103	The module extends on myriad of architectural representation techniques. Emphasis is given to analysis and representation of design through methods of modelling and analysis/interpretation, drawing and diagramming. The first project involves an analysis of a selected architectural work through writing and diagramming. Subsequently, students re-present the analysis by using a selected architectural technique. Finally, students are required to conceptualize and construct a model which forms an interpretation of the building communicating key ideas derived from the analysis.

		The module will enhance the analytical and visual presentation skills of students in the architectural design modules.
Costing in Architecture	ARC 61603	The module provides an overview of the development, application and essential role of cost management during design stage of a project. It aims to develop students' ability to associate budget costs with designs. Through discussion, practical tasks and application of new knowledge, students will gain a deeper understanding of the importance of creating a value for money design and explore the process of design management within the changing environment.
Design and Making	ARC 61103	The module is about the aspect of making in design. Design is a continuous learning and solution-seeking process that evolves constantly over time, around people and with innovation and technology. And most of the time, the act of designing itself is only a small portion of the overall process. Here, we are not only interested in design, but the execution of the design. Students will work in trios to produce a piece of furniture alongside real crafts and tradesmen (i.e. carpenters, etc) for a client. Thus students will be working to produce a design with real limitations such as budgets, materials, briefs, and deadlines. The beauty in this lies in learning to understand the potential within these constraints. The module is also about collaboration, coordination and communication. And of course, at the end of it all: creating a product of high integrity and quality – designing for a cause.
Food and Culture	CLS 60203	The module which aims to examine and explore how the act of food preparing and consuming influences space and place making in architecture through the act of research and on site experiences. It emphasizes on the processes of experiencing, capturing, diagramming, and identifying the spatial relationship of food culture within community that shape its identity of their built environment.
Islamic Architecture	ARC 60803	The module explores the chronology of architectural history as it advances over Islamic periods from the Prophet Muhammad to Ottoman. It also tracks the Islamic influences on architecture of various part of the world especially India, China and Malaysia. The study of Islamic architecture will be within the organization of architectural design and construction, building science and technology, and urban design. As the outcomes of the module, students will develop an illustrative chronology poster of Islamic Architecture and interpret the Islamic architectural language through case study, verbal and video presentations.
Landscape Architecture	ARC 61403	The module emphasizes the idea of adapting Nature as the design generator- a tool for addressing challenges in sustainability issues in built environment. It emphasizes the process of to studying and understanding nature and the

		issues of certain geography and mimicking the form, function, systems and process of that nature in generating creative design solutions, products or services that have meet the need in the current industry. Through interactive and dynamic exercises, students will gain a deeper understanding of ecomimicry, practice solving real-world challenges using ecomimicry and explore the emerging science of looking at nature for inspiration.
Nature and Architecture	BLD 61703	The module will introduce the basics of camera operation and exposure techniques thereby allowing students to produce photographic images rich in tonality and depth. Students will be introduced to basic lighting and composition formulas to further enhance their picture making skills.
Re-presenting Place	CLS 60103	The module aims to examine and explore the urban landscape through the act of research and exhibition. It emphasizes on the processes of experiencing, capturing, interpreting, and re-presenting interesting places within the built environment into three dimensional works.
Tales of Three Cities	ARC 61003	In an increasingly urbanized world, there is growing international demand for urban design studies. The module will equip students with the knowledge and skills you need to participate in this rapidly expanding profession and find their position as architects. Urban design involves shaping the physical setting for life in cities. Throughout the module, students will learn the core skills and techniques of urban studies.
Technology in Architecture	BLD 61603	The module is a research-oriented study that focuses on architectural technology with a prime importance given to various construction systems from historical and contemporary times. The main objective is to give an early exposure in the field of architectural technology and the art of writing research and thus lay the basis for architecture students whom are thus inspired to do academic and industrial research. The students will be taken to site visits in order to seek the 'craft' in architecture whilst case study is major the research method. Throughout the module, students will be guided to enhance their critical thinking, problem solving and research oriented skills. Therefore, the learning will be of two folds, namely, the understanding of architectural technology and the writing of architectural research.
Thinking Architecture	ARC 60603	This is a reading/looking/listening/thinking module aimed at raising a student's consciousness to direct processes to analyze underlying premises, form general philosophical attitudes and promote experience in design which are consistent with personal values and basic worldviews.

Architectural Portfolio	GRA 60203	The module will assist students in preparing and presenting their portfolios both verbally and visually. The module will be presented in the form of a studio with lectures, workshops, tutorials, student presentations and critique, and class discussion.
Shape Grammar	ARC 61903	Shape grammar is a method used to analyze existing design language or style and subsequently using the design principles to create a number of new and diverse designs in the same language or style. In addition it is also used to produce new and original languages of design as well as to transform an existing language into a new one. In this module students will be introduced to the basic concept of shape grammar as well as a range of the existing shape grammar applications including which were produced using computer programming languages. Various exercises will be given to facilitate the students' understanding of the concept, from a simple single-rule two-dimensional grammar to the more advanced three-dimensional grammar using manual framework instead of programmed using computer.
Theory in Malaysian Architecture	ARC 62093	The module introduces the diverse approaches to contemporary Malaysian architecture, and explores the rhetorical questions on Malaysian architecture and identity. It emphasizes on the theoretical and design rigor within the process of design through the documentation, analysis and discussion of Malaysian architecture. The module utilizes the case study approach as a method of inquiry, supported by a series of seminars, field works and lectures.
In Adaptation	ARC 61803	The module explores techniques and practices methods of creative knowledge-sourcing and critical analysis. When designing, it is commonplace for emphasis to be excessively focused on a singular concept as the be-all, end-all solution to manifold problems. In this module however, the act of designing is more so an act of problem-solving, one that therefore requires the ability to generate multiple ideas of substance rapidly. In order to do so, it is crucial to have a broad range of information and knowledge from which to draw upon, as well as to engage with a subject matter in depth. Through a series of discussion-based workshops, forums, exercises and lectures, the module introduces the process of reading, translating and adapting disparate creative mediums such as film, art, and most importantly, literature in relation to architecture. It is through this critical process that students will begin to build upon their wealth of knowledge as well as exercise discernment in matters related to architectural design such as context, content and cultural relativity and relevance.

PROGRAMME: BACHELOR OF QUANTITY SURVEYING

YEAR 1 ***SEMESTER 1***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Measurement I	QSB60104	None	Core	4
2	Introduction to Law	LAW63704	None	Core	4
3	Building Materials	BLD62003	None	Core	3
4	Construction Technology I	BLD60104	None	Core	4

YEAR 1 ***SEMESTER 2***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Measurement II	QSB60204	QSB60104	Core	4
2	Site Surveying	QSB60103	None	Core	3
3	Construction Technology II	BLD60204	BLD60104	Core	4
4	Building Services I	BLD60403	BLD62003	Core	3

YEAR 2 ***SEMESTER 3***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Measurement III	QSB60304	QSB60204	Core	4
2	Management Science	MGT60203	None	Core	3
3	Construction Technology III	BLD60304	BLD60204	Core	4
4	Building Services II	BLD60503	BLD60403	Core	3

YEAR 2 ***SEMESTER 4***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Measurement IV	QSB60404	QSB60304	Core	4
2	Estimating	QSB60504	None	Core	4
3	Structures	BLD61203	None	Core	3
4	Professional Practice I	QSB60604	None	Core	4
5	Software Application for Quantity Surveying	CSC60603	None	Core	3

YEAR 3 ***SEMESTER 5***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Internship Training and Report	INT60304	QSB60404	Core	4
2	Practical Tasks	INT60404	QSB60404	Core	4

YEAR 3 ***SEMESTER 6***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Building Services and Civil Engineering Quantities	QSB60704	QSB60404	Core	4
2	Building Economics	QSB60804	None	Core	4
3	Financial Management	FIN60203	None	Core	3
4	Professional Practice II	QSB60904	QSB60604	Core	4
5	Research Methodology	RES60103	None	Core	3

YEAR 3 ***SEMESTER 7***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Value Management	QSB60203	None	Core	3
2	Development Economics	QSB60303	QSB60804	Core	3
3	Project Management	MGT60704	None	Core	4
4	Dissertation	DIS60103	RES60103	Core	3
5	Construction Law	LAW63804	None	Core	4

ELECTIVE MODULES

No	Module title	Code	Prerequisites	Credit hours
1	Industrialised Building System (IBS)	BLD61103	None	3
2	Sustainable Housing Development	BLD60603	None	3
3	Facility Management	MGT60303	None	3
4	Intelligent Building	BLD61803	None	3
5	AutoCAD	CSC60203	None	3
6	Construction Quantity Surveying	MGT60603	None	3
7	Strategic Management	MGT60703	None	3
8	Construction Supply Chain Management	MGT60803	None	3

MODULE SYNOPSIS

YEAR 1 ***SEMESTER 1***

Module title	Code	Synopsis
Measurement I	QSB 60104	The module covers the principles, purpose and function of Standard Method of Measurement (SMM) including measurement principles, descriptions and standard phraseology. It also covers the measurement of simple excavation trenches, pits, foundations, pile caps, reinforced concrete frame and floors including roof slabs. The students are also introduced to the principles of specification writing, form of specification and their uses in the various trades.
Introduction to Law	LAW 63704	The module introduces students to Malaysian legal system, which focus on the sources and branches of law in Malaysia as well as its administration. It will also emphasize on Law of Torts, general principles of tortuous liability, negligence, trespassing, nuisance (public and private), strict liability, breach of statutory duty, vicarious liability and general defences. The area of study will also include the Law on Contracts and the special types of contracts and its contractual remedies, misinterpretation, duress and undue influence, discharge from contractual obligations and Privacy of Contract.
Building Materials	BLD 62003	The module will inform students about the relevant visual and physical properties of a wide range of building materials. It also encompasses the broad environmental debate by including energy saving and recycled materials. For each material, the module describes the manufacturing process, salient properties and typical uses of these materials, with the aim of ensuring their appropriate application within the awareness of the suitability of the physical and chemical properties as well as its ecological impact.
Construction Technology I	BLD 60104	The module explains the fundamental of earth works, site setting-out, foundations, walls, columns, beams, floors, windows, doors, ceilings, stairs, roof structure and roof coverings.

YEAR 1 ***SEMESTER 2***

Module title	Code	Synopsis
Measurement II	QSB 60204	The module covers the measurement of precast concrete piling, measurement of brickwork and block work of internal and external walls, timber floors and stud partitions, staircase structure and staircase balustrading, floor, wall, ceiling and staircase finishes including painting, form of specification writing and their uses for the above trades.
Construction Technology II	BLD 60204	The module explains the fundamentals of piled foundations, formworks, scaffoldings, shoring and underpinning, partition and suspended ceilings, portal frames, precast concrete and steel roof trusses.
Building Services I	BLD 60403	The module introduces students to services that are commonly provided in a building, primarily cold water treatment and supply, sewerage disposal and treatment, storm water management, telecommunication services and ventilation systems. Students are also made familiar with basics requirements, Uniform Building By-Law (UBBL), planning, coordination and installation of these services.
Site Surveying	QSB 60103	The module explains the fundamentals of site surveying, linear surveying, levelling, traversing and tacheometry, areas and volume, curve ranging, setting-out and Electronic Distance Measurement (EDM).

YEAR 2 ***SEMESTER 3***

Module title	Code	Synopsis
Measurement III	QSB 60304	The module covers the measurement of doors, windows, roof structure, roof finishes, roof drainage and structural steel and metal works, form of specification writing and their uses for the above trades.
Management Science	MGT 60203	The module provides the history, background, theories, concepts and principles of management. It also explores the various organisational characteristics, structure, behaviour and effectiveness of an organisation.
Construction Technology III	BLD 60304	The module progresses through the stages of dewatering, excavation of deep trenches and basement construction, structural steelwork frames, curtain walls, prestressing, plants and equipment used at site and for material handling in construction sites and tension membrane roof construction.
Building Services II	BLD 60503	The module introduces students to services that are commonly provided in a building, such as mechanical air conditioning, electricity generation and supply, building fire safety and vertical transportation systems. Students are also

		made familiar with basic requirements, Uniform Building By-Law (UBBL), planning, coordination and installation of these services.

YEAR 2 ***SEMESTER 4***

Module title	Code	Synopsis
Measurement IV	QSB 60404	The module covers the measurement of bored piles, timber piles and steel piles, renovation and demolition works, various elements of external works and landscaping works, form of specification writing and their uses for the above trades.
Estimating	QSB 60504	The module provides an introduction on the principle of estimating and components prices such as material, plant, wastage, profit and labour.
Structures	BLD 61203	The module covers the qualitative appreciation of determinate and indeterminate structures, rudimentary structural analysis, deflections, understanding structural design and the role of the consultant engineer and the application of structural design codes including loading codes.
Professional Practice I	QSB 60604	The module provides an overview of professional and contractual responsibilities of a quantity surveyor from the design stage to the final account stage. It will focus on the importance of a clear understanding of the organisation and administration of the quantity surveyor and construction management practices and the legal and contractual procedures in relation to building procurement.
Software Application for Quantity Surveying	CSC 60603	The module integrates computing into their discipline of study by teaching the students to use relevant computer software programs to prepare Bills of Quantities including measurement, comprehensive pricing including build-up rates, mark-up profits, resource reports showing the resource quantities and rates for the whole projects, budget and cost control, tendering, tender analysis and evaluation and elemental cost planning.

YEAR 3 ***SEMESTER 6***

Module title	Code	Synopsis
Building Services and Civil Engineering Quantities	QSB 60704	The module covers the measurement of cold and hot water plumbing works, soil and waste plumbing and sanitary appliances, mechanical and electrical works and various civil engineering works using CESMM, form of specification writing and their uses for the above trades.
Building Economics	QSB 60804	The module provides an overview of the Quantity Surveyor's role during the pre-tender stage of a development. Students will be introduced to practical situations of the various methods of controlling the cost of buildings at the design stage. Students will also be introduced to the relationship between building morphology, design variables and life cycle costing of a building and are also given the opportunity to learn and apply information technology in cost planning and resources management.
Financial Management	FIN 60203	The module introduces students to the management of financial management which covers both financial and organization structure in relation to construction projects. The module will emphasize on the examination of resource use systems particularly the finance related to construction project as well as the management of important resource in ensuring the quality project performance i.e. the staff. Students will be exposed to various terms of finance, which cover the financial information systems and capital investment.
Professional Practice II	QSB 60904	The module introduces a detailed examination of the administration of construction contracts and sub-contracts including the roles and responsibilities of the parties to a contract in particular the Quantity Surveyor, main contractor and sub-contractors from the design stage to the final account stage. It will also focus on the importance of a clear understanding of the legal and contractual procedures in relation to interpretation of particular clauses in contracts and sub-contracts.
Research Methodology	RES 60103	The module examines the characteristics a critical analysis of literature research must possess at graduate level and conduct a synthesis and documentation of the information gathered. Students will understand the present domain specific knowledge and a comparison between different channels of communications and focus on research ethics and regulations for experiments to execute the domain specific research methodology. There will be a forum discussion on sourcing research funding and an explanation of the basic aspects of commercialization.

YEAR 3 ***SEMESTER 7***

Module title	Code	Synopsis
Value Management	QSB 60203	The module provides the history, background, theories, concepts and principles of value engineering/value management in decision-making process. It also introduces the idea of unnecessary cost and cost cutting exercise in the cost planning and control stage. It covers area of implementation of value engineering and the key person involved – the facilitator. The module concludes with a series of discussion on the problems and constraints in the implementation stage based on some significant case studies.
Development Economics	QSB 60303	The module will introduce students to the development, roles and contribution of construction industry to national economy. It is initiated with the introduction of the process in a property development and factors that influence the development process. The module also covers various techniques of development appraisal and sources of finance available. It then concludes with the importance of market research to the overall development process and its impact of research to the development.
Project Management	MGT 60704	The module introduces students to the principles, techniques and managerial issues, which form the process of project management. The area of study will focus in particular on project management in a construction context but will also make considerable reference to the activity in other fields of commercial and business activities to emphasize the broad applicability of the principle.
Dissertation	DIS 60103	Students are required to undertake and submit a substantiated piece of independent research work that gives them an understanding of research methodology. This research may consist of both recording and analyzing of data or the summary of published material on the topic supplemented by opinion gathered through interviews or questionnaires. In exceptional cases original ideas and innovative applications may be developed. Students are to negotiate a project title and specification with their supervisor. After an initial period of background work, they carry out the necessary work to complete their dissertation. The dissertation should be a demonstration of effective research combined with clear and concise presentation of between 10,000 to 12,000 words.
Construction Law	LAW 63804	The module will concentrate on the exploration of the different relationships within the construction process as well as the legal, economic and contractual constraint imposed upon it in construction contract, particularly the Building Contract. It will focus on the importance of a clear

		understanding of the administration and obligations of architects, quantity surveyors and construction managers whilst review legal and contractual procedures of the dispute resolution available in practices in relation to construction contract and related problems.

ELECTIVE MODULES

Module title	Code	Synopsis
Industrialised Building System (IBS)	BLD 61103	The module provides an overview of IBS in the construction industry and its implications towards the nation's economic growth in the aspect of business involvement and costing. Emphasis is placed on independent research, self-developed project plan and the application of existing and new knowledge and skills.
Sustainable Housing Development	BLD 60603	The module provides students with the opportunity to apply their understanding of global environmental issues and the principles of ecologically sustainable development to a large-scale housing development. It also creates an understanding of the implications of sustainability principles in construction projects, to identify the principles of ecologically sustainable development to a hypothetical large-scale housing development and to identify and critically engage the links between housing and other forms of sustainable building and development (including integration with transport, services, infrastructure etc.)
Facility Management	MGT 60303	The module provides an overview of facility management and focuses on coordinating all business support services and also property management techniques. The coordination emphasizes on adding value towards the business operation and to the society. Facility management plays an important role as a bridge between the gap of business operation and the environment.
AutoCAD	CSC 60203	The module will aid students to become familiar with the main components of a CAD system and become familiar with common terminology used in CAD drafting. Students will be given a good understanding of basics of AutoCAD thus enabling them to produce accurate, fully dimensioned architectural drawings. Assignments will test students' ability on using AutoCAD to produce architectural drawings, covering basic drawing commands, layers, dimensioning principles, line weight, title block, plotting and area calculation and measurement.

Construction Quantity Surveying	MGT 6060	The module provides students with the opportunity to gain an in-depth knowledge of the global and local construction industry, appreciate the significance and the role of the duties and responsibilities of the QS in the contractor's organization. The students will also develop a depth of subject knowledge on how to manage the contractor's supply chain and to familiarize with the laws and regulations governing the construction industry and how the registration requirements effects job procurement.
Strategic Management	MGT 60703	The module introduces students to the fundamental concepts of strategic planning and management in the context of the real estate, design, and construction industry. Discusses the basic business relationships among firms in the design and construction value chain. Specific topics include: industry analysis strategic planning models, information technology strategy, and strategy in fragmented industries, negotiation, and macro trends shaping the industry as a whole (such as entrepreneurship, leadership, innovation, knowledge management and sustainable development.)
Construction Supply Chain Management	MGT 60803	This module is applicable to students who wish to enhance their knowledge of other job opportunities available besides the typical Quantity Surveyor's scope of works. Construction Supply Chain (CSC) is the network of organizations involved in different stages (the upstream and downstream) of processes of delivering goods or services. Construction Supply Chain Management (CSCM) is the coordination of material, information and financial flows between and among all the participating organizations. This module delivers the overview Supply Chain (SC) theory and example of best practices of other industries' SC which could be applied and adapted by the CSC and focuses on the fundamental tasks within a supply chain cycle such as procurement, sourcing, outsourcing and performance improvement. It also covers the current trends within the CSC such as lean and agile concepts, relationship management and corporate social responsibility (CSR).

SCHOOL OF ENGINEERING

YEAR 1 ***SEMESTER 2***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Biochemical Processes	CHE60203	None	Core	3
2	Engineering Design & Ergonomics	PRJ60203	PRJ60103	Core	3
3	Engineering Mathematics II	MTH60203	MTH60103	Core	3
4	Properties and Applications of Materials	ENG60503	None	Core	3
5	Thermodynamics and Heat Transfer	ENG60303	None	Core	3

YEAR 2 ***SEMESTER 3***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Chemical Engineering Thermodynamics and Simulation	CHE60303	ENG60303	Core	3
2	Computing Applications for Engineers	ENG60104	None	Core	4
3	Engineering Mathematics III	MTH60303	MTH60203	Core	3
4	Multidisciplinary Engineering Design	PRJ60303	PRJ60203	Core	3
5	Process Integration and Unit Operations I	CHE60603	CHE60103	Core	3

YEAR 2 ***SEMESTER 4***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Engineering Design & Innovation	PRJ60403	PRJ60303	Core	3
2	Engineering Mathematics IV	MTH60403	MTH60303	Core	3
3	Managing Projects for Success	ENG60703	None	Core	3
4	Mass Transfer	CHE60403	ENG60303	Core	3
5	Process Integration and Unit Operations II	CHE60903	CHE60603	Core	3
6	Reactor and Catalysis	CHE60503	CHE60203	Core	3

YEAR 3 ***SEMESTER 5***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Advanced Heat and Momentum Transfer	CHE60703	CHE60403	Core	3
2	Chemical Process Modelling	CHE60803	MTH60403	Core	3
3	Data Measurement, Analysis and Experimental Design	ENG61103	None	Core	3
4	Engineering Economics	CHE61303	None	Core	3
5	Introduction to Electronics and Electrical Power Machines	ENG60903	None	Core	3

ELECTIVE MODULES

No	Module title	Code	Prerequisites	Status	Credit hours
1	Business Skills for Engineers	BUS60403	None	Elective	3
2	Computational Fluid Dynamics	MEC60703	None	Elective	3
3	Computer Aided Engineering & Geometric Modeling	ENG60603	None	Elective	3
4	Renewable & Alternative Energies	MEC61003	None	Elective	3

MODULE SYNOPSIS

YEAR 1 ***SEMESTER 2***

Module title	Code	Synopsis
Biochemical Processes	CHE60203	This module introduces some fundamental aspects of chemical and biochemical processing, focusing on reactor design and basic purification-separation technologies. The basic concepts and language of biology are introduced, in order that students are equipped to understand biochemical, food and environmental engineering applications. Reaction engineering, including kinetics, simple contacting schemes and how to create the right

		conditions for efficient conversion of reactants into products are then introduced. The final focus is on purification of products leaving the reactor using mass transfer devices such as plate and packed columns. The concept that a process is an integrated whole and not just an assembly of unit operations is introduced.
Engineering Design & Ergonomics	PRJ60203	This module provides foundation in designing products that work in accordance with the way humans think, see and behave. Products that are compatible with people with dramatically reduce human error, fatigue, discomfort and stress and have a profound positive impact on overall end-user performance.
Engineering Mathematics II	MTH60203	This module covers more essential mathematical knowledge and techniques for solving engineering problems.
Properties and Applications of Materials	ENG60503	This module introduces the range of materials used in engineering applications along with some basic selection rules for determining the appropriate materials for a given application. The module also introduces fundamental science that determines the properties of materials, such as bonding types and atomic / molecular structures.
Thermodynamics and Heat Transfer	ENG60303	This module combines the knowledge related to both energy transfer (as heat) and thermodynamics to expose the students to a wide variety of topics that will be instrumental in their academic and career advancement like the applications of the first and

		second laws of thermodynamics and the mechanisms with which heat transfers. This is tied closely to the analysis of heat engines, heat pumps, heat cycles and heat exchangers.

YEAR 2 ***SEMESTER 3***

Module title	Code	Synopsis
Chemical Engineering Thermodynamics and Simulation	CHE60303	This module deals with a variety of topics such as the basic laws of Thermodynamic, Maxwell Relationships and energy, Equations of State and predictions of pure component properties, Phase Equilibria and Chemical Equilibria. Simulator is intended to introduce students to the fundamentals of computer-aided process synthesis, simulation, analysis and optimisation. Practical problems are used as examples.
Computing Applications for Engineers	ENG60104	Provides skills that promote the effective use of Microsoft Office Suite: Word, Excel, Project and PowerPoint. Introduces programming with MATLAB and C Programming.
Engineering Mathematics III	MTH60303	This module covers the mathematical modelling of engineering problems using differential equations and introduces various techniques for solving the problems.
Multidisciplinary Engineering Design	PRJ60303	The main features of this module are the System Thinking, multidisciplinary and complexity level of the design encounter with focus on satisfying contradicting stakeholder's requirements and sustainability.

		While working in multidisciplinary teams students will create products and processes that are designed for manufacturability, affordability, recyclability and sustainability.
Process Integration and Unit Operations I	CHE60603	This module introduces the methodologies for the synthesis of a new process and discusses the factors governing process selection. It also introduces problem-solving approaches reflecting current trends in process integration such as efficient material and energy usage and emissions reduction. Pinch technology is introduced and used to develop heat exchanger networks, with software demonstrations. Starting with the unit operations of distillation and drying, the interactions and interdependency between different process units are next discussed via case studies. Stoichiometry and Processes Applications (CHE60103) is a prerequisite module, because that is where the concept that a process is an integrated whole and not just an assembly of unit operations has been introduced.

YEAR 2 ***SEMESTER 4***

Module title	Code	Synopsis
Engineering Design & Innovation	PRJ60403	This module equips engineering students with innovation techniques such as design thinking and TRIZ, sharpening their innovation skills. This will empower them to develop financially and economically

		sustainable solutions and enable.
Engineering Mathematics IV	MTH60403	This module covers the transformation of system representation between time and complex frequency domains and its analysis and solution. This module also covers basic statistics and probability theories and their applications.
Managing Projects for Success	ENG60703	Ensuring projects run successfully has become very critical in today's fast changing world. The module will cover the knowledge areas and explore the key factors for completing projects on time within budget and allocated resources. Practical tools and techniques will be introduced to guide and manage projects to success
Mass Transfer	CHE60403	This module covers the theory behind mass transfer. This includes 1-dimensional and 2-dimensional steady and unsteady state mass transfer. The analogy between heat and mass transport process is developed and explained. Chemical engineering processes such as membrane separations, drying, humidification and cooling, absorption, adsorption, and extraction are described.
Process Integration and Unit Operations II	CHE60903	In this module, the interactions and interdependency between different process units are further developed via case studies. The module builds on these principles by introducing more unit processes such as liquid-liquid extraction, crystallization and leaching (solid-liquid extraction), as well

		as advanced multiphase separations (including ion exchange, affinity chromatography, and gel filtration) with particular emphasis on the selection of the appropriate methods to meet process requirements.
Reactor and Catalysis	CHE60503	This module covers the fundamentals of reactors and catalysis, particularly in the context of formulation engineering. It introduces the effects of temperature in ideal reactors, catalysts and catalytic reactors, intra particle transport phenomena, transport phenomena in fixed bed reactors and fluidized beds, reactor design for functional products, introduced through supported metal catalyst formulation and production of a food product.

YEAR 3 ***SEMESTER 5***

Module title	Code	Synopsis
Advanced Heat and Momentum Transfer	CHE60703	This module covers critical theoretical material for momentum transport and addresses viscous and turbulent flows between solid boundaries. The principle of similitude is applied to the design and analysis of pumped flow systems and cost optimization is applied to the design of pipelines. Engineering applications such as complex pipe networks and combined pipe-pump systems are analyzed. Computer based

		methods of solution of heat and mass transfer problems are introduced and applied to some process examples.
Chemical Process Modelling	CHE60803	This module consists of three elements: matrix modelling methods, mathematics and dynamic modelling techniques, and issues in modern process control and modelling. Students are taught how to construct and analyze advanced dynamic models of chemical engineering systems. A number of mathematical techniques with applications in chemical engineering are covered. It also covers the mathematical tools required to analyze and solve linear and non-linear chemical engineering-based models, with examples.
Data Measurement, Analysis and Experimental Design	ENG61103	This module introduces the statistical methodologies necessary to design and analyze a range of industrial experiments.
Engineering Economics	CHE61303	This module deals with principles and the basic equations for the value of money and alternative selections. It considers the factors in the engineering economy, interest rates, present worth, annual worth, rate of return, income tax and breakeven analysis.
Introduction to Electronics and Electrical Power Machines	ENG60903	The aim of this module is to introduce aspects of electronics and electrical engineering to students of other engineering disciplines in the context of applications in their discipline. This should develop their confidence when interacting with electrical engineers in industry. The module begins

		with a review of the areas where electronic and electrical engineering principles are applied in civil, chemical, manufacturing and mechanical engineering and materials science. An introduction to basic concepts of electronics leads into DC circuits and circuit analysis, power and energy. An appreciation of linear and non-linear components is provided through the diode and LED. Active learning in the lecture environment will be a key feature of this section. The concept of electrical transducers as a means of interfacing to, and monitoring, the real world leads to the simple application of operational amplifiers. Examples of uses of transducers and actuators in engineering industry will emphasize the importance of proper calibration. As an exercise students will specify a transducer for a particular application to achieve the appropriate range, gain and accuracy.

ELECTIVE MODULES

Module title	Code	Synopsis
Business Skills for Engineers	BUS60403	Covers the engineering and management and business environment, including the financial and legal aspects of doing business and E-Commerce.
Computational Fluid Dynamics (CFD)	MEC60703	Present the essential concepts and skills for CFD using both a theoretical approach and practical approach using commercial software.

Computer Aided Engineering & Geometric Modeling	ENG60603	This subject presents the processes of CADCAM from the conceptual design stage to the manufacturing stage via hands-on experience of component shape design and virtual and real RPM-machining.
Renewable & Alternative Energies	MEC61003	Renewable energies, solar energy, bioenergy, hydroelectricity, tidal power, wave energy, wind energy, geothermal energy, integration.

PROGRAMME: BACHELOR OF ENGINEERING (HONS) ELECTRICAL & ELECTRONIC ENGINEERING

YEAR 1 ***SEMESTER 2***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Circuit and Devices	EEE60403	None	Core	3
2	Digital Electronics	EEE60203	None	Core	3
3	Engineering Design & Ergonomics	PRJ60203	PRJ60103	Core	3
4	Engineering Mathematics II	MTH60203	MTH60103	Core	3

YEAR 2 ***SEMESTER 3***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Analogue Electronics	EEE60503	EEE60403	Core	3
2	Signals and Systems	EEE60303	EEE60103	Core	3
3	Electromagnetic Fields and Waves	EEE60703	MTH60203	Core	3
4	Engineering Mathematics III	MTH60303	MTH60203	Core	3
5	Multidisciplinary Engineering Design	PRJ60303	PRJ60203	Core	3

YEAR 2 ***SEMESTER 4***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Electrical Power and Machines	EEE61303	EEE60703	Core	3
2	Engineering Design & Innovation	PRJ60403	PRJ60303	Core	3
3	Engineering Mathematics IV	MTH60403	MTH60303	Core	3
4	Managing Projects for Success	ENG60703	None	Core	3
5	Signals and Systems	EEE60303	EEE60103	Core	3

YEAR 3 ***SEMESTER 5***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Control Systems	EEE61203	EEE60103	Core	3
2	Digital Signal Processing	EEE61003	EEE60303	Core	3
3	Electrical Engineering Group Project I	PRJ60903	PRJ60403	Core	3
4	Electrical Power Systems	EEE61303	EEE60703	Core	3
5	Power Electronics	EEE61403	EEE63103	Core	3

YEAR 3 ***SEMESTER 6***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Business Skills for Engineers	BUS60403	None	Core	3
2	Digital Signal Processing	EEE61003	EEE60303	Core	3
3	Electrical Engineering Group Project II	PRJ61003	PRJ60903	Core	3
4	Electrical Power Systems	EEE61303	EEE60703	Core	3
5	Power Electronics	EEE61403	EEE63103	Core	3

YEAR 4 ***SEMESTER 7***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Design of Electrical Apparatus	EEE61903	EEE63103	Elective	3
2	Electrical Power Systems	EEE61303	EEE2113	Core	3
3	Power System Protection and Switchgear	EEE62503	EEE3513	Core	3
4	VLSI Design	EEE61603	EEE60203	Elective	3

MODULE SYNOPSIS

YEAR 1 ***SEMESTER 2***

Module title	Code	Synopsis
Circuit and Devices	EEE60403	This module deals with the circuits and the physics of conduction in solids and the effects of electric fields. The terminal characteristics of basic devices are derived from first principles.
Digital Electronics	EEE60203	This module deals with the theory and practice of logic, digital circuit design and digital representation of information.
Engineering Design & Ergonomics	PRJ60203	This module provides foundation in designing products that work in accordance with the way humans think, see and behave. Products that are compatible with people with dramatically reduce human error, fatigue, discomfort and stress and have a profound positive impact on overall end-user performance.
Engineering Mathematics II	MTH60203	This module covers more essential mathematical knowledge and techniques for solving engineering problems.

YEAR 2 ***SEMESTER 3***

Module title	Code	Synopsis
Analogue Electronics	EEE60503	This module deals with semiconductor diode rectifier and filter circuits. It also introduces the design and analysis of BJT, FET, Op-Amp, Feed back, Oscillator and Power Amplifier circuits.

Data Communications and Networks	EEE60803	This modules deals with the data communications, networks and protocols associated with digital transmission applications e.g. internet.
Electromagnetic Fields and Waves	EEE60703	This module deals with vector analysis, electrostatic fields and magnetic fields. The behaviour of time varying signals along transmission lines is investigated by considering appropriate applications.
Engineering Mathematics III	MTH60303	This module covers the mathematical modelling of engineering problems using differential equations and introduces various techniques for solving the problems.
Multidisciplinary Engineering Design	PRJ60303	The main features of this module are the System Thinking, multidisciplinary and complexity level of the design encounter with focus on satisfying contradicting stakeholder's requirements and sustainability. While working in multidisciplinary teams students will create products and processes that are designed for manufacturability, affordability, recyclability and sustainability.

YEAR 2 ***SEMESTER 4***

Module title	Code	Synopsis
Electrical Power Systems	EEE61303	This module deals with generation, transmission and distribution of electrical power. It introduces the switch gear and protection of power system. It also deals with load flow analysis, fault analysis and power system stability.
Engineering Design & Innovation	PRJ60403	This module equips engineering students with innovation techniques such as design

		thinking and TRIZ, sharpening their innovation skills. This will empower them to develop financially and economically sustainable solutions and enable.
Engineering Mathematics IV	MTH60403	This module covers the transformation of system representation between time and complex frequency domains and its analysis and solution. This module also covers basic statistics and probability theories and their applications.
Managing Projects for Success	ENG60703	Ensuring projects run successfully has become very critical in today's fast changing world. The module will cover the knowledge areas and explore the key factors for completing projects on time within budget and allocated resources. Practical tools and techniques will be introduced to guide and manage projects to success
Signals and Systems	EEE60303	This module deals with signal analysis and the signal transmission through systems. It provides Laplace transform, Z-transform and probability mathematical background for signals and system analysis.

YEAR 3 ***SEMESTER 5***

Module title	Code	Synopsis
Control Systems	EEE61203	This module deals with the open loop and closed loop control systems. It introduces mathematical models of different physical systems. Time domain and frequency domain analysis are applied to determine the stability of

		systems. Concepts of state space analysis are introduced.
Digital Signal Processing	EEE61003	This module deals with the ideas of digital signal processing, its advantages and applications. It introduces the engineering applications of Z-transform, discrete Fourier transform and fast Fourier transform. It also deals with the design and realization of digital filters.
Electrical Power Systems	EEE61303	This module deals with generation, transmission and distribution of electrical power. It introduces the switch gear and protection of power system. It also deals with load flow analysis, fault analysis and power system stability.
Power Electronics	EEE61403	This module deals with the principle of operation and characteristics of power switching devices and their applications in converter, inverter, chopper and cycloconverter circuits.

YEAR 3 ***SEMESTER 6***

Module title	Code	Synopsis
Business Skills for Engineers	BUS60403	Covers the engineering and management and business environment, including the financial and legal aspects of doing business and E-Commerce.
Digital Signal Processing	EEE61003	This module deals with the ideas of digital signal processing, its advantages and applications. It introduces the engineering applications of Z-transform, discrete Fourier transform and

		fast Fourier transform. It also deals with the design and realization of digital filters.
Electrical Engineering Group Project II	PRJ61003	This is a continuation of PRJ60903, where groups continue working on their projects, carrying them to completion. The groups are assessed on technical merit, added-value, end-product and demonstrable team working skills developed during the project.
Electrical Power Systems	EEE61303	This module deals with generation, transmission and distribution of electrical power. It introduces the switch gear and protection of power system. It also deals with load flow analysis, fault analysis and power system stability.
Power Electronics	EEE61403	This module deals with the principle of operation and characteristics of power switching devices and their applications in converter, inverter, chopper and cycloconverter circuits.

YEAR 4 ***SEMESTER 7***

Module title	Code	Synopsis
Design of Electrical Apparatus	EEE61903	Design of Electrical Machines from the first principles of electromagnetics. It covers the design of electrical machines through modelling tool design with emphasis on the design constraints during the design process.
Electrical Power Systems	EEE61303	This module deals with generation, transmission and distribution of electrical power. It introduces the switch gear and

		protection of power system. It also deals with load flow analysis, fault analysis and power system stability.
Power System Protection and Switchgear	EEE62503	To enhance understanding of power system protection and analyze the behavior and coordination of protection equipment when applied to various protection schemes in a power system network.
VLSI Design	EEE61603	To outline the VLSI design process and methodologies used in system implementation. To give working knowledge of Verilog.

PROGRAMME: BACHELOR OF ENGINEERING (HONS) MECHANICAL ENGINEERING

YEAR 1 ***SEMESTER 2***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Computer Aided Engineering and Geometric Modelling	ENG60603	None	Core	3
2	Engineering Design & Ergonomics	PRJ60203	PRJ60103	Core	3
3	Engineering Mathematics II	MTH60203	MTH60103	Core	3
4	Thermodynamics and Heat Transfer	ENG60303	None	Core	3

YEAR 2 ***SEMESTER 3***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Computing Applications for Engineers	ENG60104	None	Core	4
2	Engineering Dynamics	ENG60403	None	Core	3
3	Engineering Mathematics III	MTH60303	MTH60203	Core	3
4	Multidisciplinary Engineering Design	PRJ60303	PRJ60203	Core	3
5	Properties and Applications of Materials	ENG60503	None	Core	3

YEAR 2 ***SEMESTER 4***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Engineering Design & Innovation	PRJ60403	PRJ60303	Core	3
2	Engineering Mathematics IV	MTH60403	MTH60303	Core	3
3	Engineering Solids Mechanics	MEC60103	ENG60103	Core	3
4	Managing Projects for Success	ENG60703	None	Core	3
5	Manufacturing Engineering	MEC60203	None	Core	3

YEAR 3 ***SEMESTER 5***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Data Measurement, Analysis and Experimental Design	ENG61103	None	Core	3
2	Introduction to Electronics and Electrical Power Machines	ENG60903	None	Core	3
3	Mechanical Engineering Group Project I	PRJ60503	PRJ60403	Core	3
4	Numerical Analysis for Engineers with Applications using ANSYS	ENG61203	None	Core	3
5	Theory of Machines and Mechanisms	MEC60303	ENG60403	Core	3

YEAR 3 ***SEMESTER 6***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Automatic Control and Instrumentation	ENG61003	ENG60903	Core	3
2	Data Measurement, Analysis and Experimental Design	ENG61103	None	Core	3
3	Mechanical Engineering Group Project II	PRJ60603	PRJ60503 ENG61203	Core	3
4	Theory of Machines and Mechanisms	MEC60303	ENG60403	Core	3

YEAR 4 ***SEMESTER 7***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Automatic Control and Instrumentation	ENG61003	ENG60903	Core	3
2	Electronics and Microprocessors	ENG61603	ENG60903	Core	3
3	Mechanical Vibration	MEC60503	None	Core	3

YEAR 4 ***SEMESTER 8***

No	Module title	Code	Prerequisites	Status	Credit hours
1	Professional Engineers & Society	ENG61503	None	Core	3

ELECTIVE MODULES

No	Module title	Code	Prerequisites	Status	Credit hours
1	Computational Fluid Dynamics (CFD)	MEC60703	None	Elective	3
2	Engineering Economics	CHE61303	None	Elective	3
3	Renewable and Alternative Energies	MEC61003	None	Elective	3
4	Total Quality Management	ENG4413	None	Elective	3

YEAR 1 ***SEMESTER 2***

Module title	Code	Synopsis
Computer Aided Engineering and Geometric Modelling	ENG60603	This module presents the processes of CAE from the conceptual design stage to the manufacturing stage via hands-on and virtual experience of component shape design.
Engineering Design & Ergonomics	PRJ60203	This module provides foundation in designing products that work in accordance with the way humans think, see and behave. Products that are compatible with people with dramatically reduce human error, fatigue, discomfort and stress and have a profound positive impact on overall end-user performance.
Engineering Mathematics II	MTH60203	This module covers more essential mathematical knowledge and techniques for solving engineering problems.

Thermodynamics and Heat Transfer	ENG60303	This module combines the knowledge related to both energy transfer (as heat) and thermodynamics to expose the students to a wide variety of topics that will be instrumental in their academic and career advancement like the applications of the first and second laws of thermodynamics and the mechanisms with which heat transfers. This is tied closely to the analysis of heat engines, heat pumps, heat cycles and heat exchangers.

YEAR 2 ***SEMESTER 3***

Module title	Code	Synopsis
Computing Applications for Engineers	ENG60104	Provides skills that promote the effective use of programming with MatLab and C Programming.
Engineering Dynamics	ENG60403	This module builds upon the concepts and techniques used in Engineering Statics (ENG60103) and introduces the students to the scope of kinematics and kinetics. Newton's Laws of Motion will be introduced and developed to allow the student to deal with problems related to automotive and machine motion. The three dimensional nature of motion is considered and explored using simple vector concepts and basic calculus. The basic methods of force/acceleration, impulse/momentum and work/energy are developed and applied.

Engineering Mathematics III	MTH60303	This module covers the mathematical modelling of engineering problems using differential equations and introduces various techniques for solving the problems.
Multidisciplinary Engineering Design	PRJ60303	The main features of this module are the System Thinking, multidisciplinary and complexity level of the design encounter with focus on satisfying contradicting stakeholder's requirements and sustainability. While working in multidisciplinary teams, students will create products and processes that are designed for manufacturability, affordability, recyclability and sustainability.
Properties and Applications of Materials	ENG60503	This module introduces the range of materials used in engineering applications along with some basic selection rules for determining the appropriate materials for a given application. The module also introduces fundamental science that determines the properties of materials, such as bonding types and atomic / molecular structures.

YEAR 2 ***SEMESTER 4***

Module title	Code	Synopsis
Engineering Design & Innovation	PRJ60403	This module equips engineering students with innovation techniques such as design thinking and TRIZ, sharpening their innovation skills. This will empower them to develop financially and economically sustainable solutions and enable.
Engineering Mathematics IV	MTH60403	This module covers the transformation of system representation between time and complex frequency domains and its analysis and solution. This module also covers basic statistics and probability theories and their applications.
Engineering Solids Mechanics	MEC60103	Overview of analysis of stress and strain in different structures together with plastic deformation and fracture mechanics.
Managing Projects for Success	ENG60703	Ensuring projects run successfully has become very critical in today's fast changing world. The module will cover the knowledge areas and explore the key factors for completing projects on time within budget and allocated resources. Practical tools and techniques will be introduced to guide and manage projects to success
Manufacturing Engineering	MEC60203	This module introduces the range of materials used in engineering applications along with some basic selection rules for determining the appropriate materials for a given application. The module also introduces fundamental science that determines the properties of materials.

YEAR 3 ***SEMESTER 5***

Module title	Code	Synopsis
Data Measurement, Analysis and Experimental Design	ENG61103	This module introduces the statistical methodologies necessary to design and analyse a range of industrial experiments.
Introduction to Electronics and Electrical Power Machines	ENG60903	The aim of this module is to introduce aspects of electronics and electrical engineering to students of other engineering disciplines in the context of applications in their discipline. This should develop their confidence when interacting with electrical engineers in industry. The module begins with a review of the areas where electronic and electrical engineering principles are applied in civil, chemical, manufacturing and mechanical engineering and materials science. An introduction to basic concepts of electronics leads into DC circuits and circuit analysis, power and energy. An appreciation of linear and non-linear components is provided through the diode and LED. Active learning in the lecture environment will be a key feature of this section. The concept of electrical transducers as a means of interfacing to, and monitoring, the real world leads to the simple application of operational amplifiers. Examples of uses of transducers and actuators in engineering industry will emphasise the importance of proper calibration. As an exercise students will specify a transducer for a particular application to achieve the

		appropriate range, gain and accuracy.
Mechanical Engineering Group Project I	PRJ60503	The students will work in teams to solve an engineering problem, analyze an engineering failure or build an engineering product. Student evaluation for this module is in two parts: group and individual (50:50). The individual component is assessed through student logbooks and individual reports, while the group effort (equal to all) is based on the artefact made.
Numerical Analysis for Engineers with Applications using ANSYS	ENG61203	Present the numerical methods and introduce the use of ANSYS to understand a range of issues that are related to how does numerical commercial packages operate.
Theory of Machines and Mechanisms	MEC60303	Provide a range of skills related to mechanics of machines like degrees of freedom, and the design and analysis of important mechanism such as slider crank, four bar mechanism, cams.

YEAR 3 ***SEMESTER 6***

Module title	Code	Synopsis
Automatic Control and Instrumentation	ENG61003	Overview of instrumentation system elements, control system basics, process controllers, correction elements, PLC systems, system models, transfer functions, system response, and frequency response.
Data Measurement, Analysis and Experimental Design	ENG61103	This module introduces the statistical methodologies necessary to design and analyse a range of industrial experiments.

Mechanical Engineering Group Project II	PRJ60603	The students will continue working in teams to solve a continuing engineering problem, analyze an engineering failure or build an engineering product. Student evaluation for this module is in two parts: group and individual (50:50). The individual component is assessed through student logbooks and individual reports, while the group effort (equal to all) is based on the artefact made.
Theory of Machines and Mechanisms	MEC60303	Provide a range of skills related to mechanics of machines like degrees of freedom, and the design and analysis of important mechanism such as slider crank, four bar mechanism, cams.

YEAR 4 ***SEMESTER 7***

Module title	Code	Synopsis
Automatic Control and Instrumentation	ENG610 03	Overview of instrumentation system elements, control system basics, process controllers, correction elements, PLC systems, system models, transfer functions, system response, and frequency response.
Electronics and Microprocessors	ENG61603	This module introduces the students to basic knowledge needed to work with microprocessors in a variety of situations.
Mechanical Vibration	MEC60503	Introduction to vibrations, degrees of freedom, harmonic response, general forced response, vibration suppression.

YEAR 4 ***SEMESTER 8***

Module title	Code	Synopsis
Professional Engineers & Society	ENG61503	To study the various roles and responsibilities of an Engineer in society, also highlighting the moral and ethical responsibilities of Professional Engineers as well as the role of Engineering as a profession in improving the quality of life and addressing societies Grand Challenges.

ELECTIVE MODULES

Module title	Code	Synopsis
Computational Fluid Dynamics (CFD)	MEC60703	Present the essential concepts and skills for CFD using both a theoretical approach and practical approach using commercial software.
Engineering Economics	CHE61303	This module deals with principles and the basic equations for the value of money and alternative selections. It considers the factors in the engineering economy, interest rates, present worth, annual worth, rate of return, income tax and breakeven analysis.
Renewable and Alternative Energies	MEC61003	Renewable energies, solar energy, bioenergy, hydroelectricity, tidal power, wave energy, wind energy, geothermal energy, integration.
Total Quality Management	ENG4413	This module comprises three interlinked modules fundamentals of TQM, methods of TQM and process management and improvement - and provides an integrated approach to this increasingly important business strategy.

SCHOOL OF EDUCATION

PROGRAMME: BACHELOR OF EDUCATION (PRIMARY EDUCATION)

SEMESTER 1

No	Module title	Code	Credit hours
1	Education and Society	EDU60303	3
2	Philosophy of Education	EDU61103	3

SEMESTER 4

No	Module title	Code	Credit hours
1	Curriculum Development	EDU61403	3
2	Children's Literature	EDE60203	3
3	Science - Diversity and Cycle	EDS60203	3
4	Geometry at Primary Level	EDM60203	3
5	Teaching Primary School Mathematics	EDM60105	5
6	Professional Practice 4:Lesson Preparation	EDP60201	1
7	Professional Practice 5: Lesson Delivery and Management	EDP60301	1

SEMESTER 7

No	Module title	Code	Credit hours
1	Introduction to Linguistics	EDE60303	3
2	Science - Energy and Forces	EDS60303	3
3	Statistics at Primary Level	EDM60303	3
4	Professional Practice 6: Classroom Management	EDP60401	1
5	Professional Practice 7: Feedback and Evaluation	EDP60501	1

MODULE SYNOPSIS

SEMESTER 1

Module title	Code	Synopsis
Education and Society	EDU60303	This course examines the social aspects of education and schooling: the relationship between home, society, educational institutions and educational values; the ways that social inequalities are reproduced through schools; and the ways that identities are formed through education. It also covers major social theories that attempt to explain children's experience of schooling and how schools reproduce society. Particular attention will be paid to the way interactions within educational settings have much larger implications within society and vice-versa.
Philosophy of Education	EDU61103	This course examines the philosophical ideas that influence primary school education. These ideas extend from the Western secular tradition to Eastern religious perspective involving philosophers from Socrates to Imam Ghazali. From these ideas questions such as "What is education?", "What does it mean to be an "educated" person?", "What factors distinguish a "good" from a "bad education?" and a few others will be explored. The intent of the course is to enable students to be more informed and have the capacity to develop a personal educational philosophy.

SEMESTER 4

Module title	Code	Synopsis
Curriculum Development	EDU61403	The focus of this course is to enable students to have a firm grasp of what a school curriculum is all about, and hence appreciate its centrality in shaping the kinds and quality of learning students derived from the learning experiences designed for them through the way the curriculum is stitched together. The course will discuss the various meanings of curriculum, its foundations, the approaches to curriculum, design principles and the widely used models used in designing it as well as the standards that have been employed to benchmark and judge its quality. It is also intended to empower students to analyze a curriculum as framed by its aims and purpose.
Children's Literature	EDE60203	This course focuses on the principles of using children's literary texts in the primary classroom to enhance teaching and learning. Students will be exposed to fiction and non-fiction texts written for children: prose, fables, fairy tales, picture books, biographies, autobiographies, poems and verse. Techniques of incorporating these literary texts to enhance teaching and learning will also be covered.
Geometry at Primary Level	EDM60203	This course introduces students to geometry in the primary school mathematics. It exposes students to the aims of teaching geometry in primary school mathematics, what geometry is, the key ideas and concepts in

		geometry at primary level and the notion of geometrical thinking. It also analyses the organization of geometry contents in primary mathematics curriculum and research on the learning of geometry at primary level. Students will also learn how to design and solve problems related to geometry at primary level taking into consideration the mathematical thinking and processes involved in the context of learning to be competent at teaching geometry in primary school.
Teaching Primary School Mathematics	EDM60105	This course focuses on the why, what and how of primary school mathematics teaching. Students will be exposed to the aims and framework of primary mathematics curriculum, the nature of mathematical thinking and mathematical communication in the classroom, the psychological theories of learning and teaching mathematics and formation of mathematics concepts, pedagogical principles of mathematics teaching including various teaching strategies and the purpose and use of drill and practice in primary mathematics. Also covered will be strategies for teaching the five strands of primary school mathematics: numbers and operations, data, measurement, geometry and algebra. Included too techniques and procedures for diagnosing and teaching pupils with mathematical difficulties as well as gifted and high ability pupils, and the development of schemes of

		work, lesson plans and assessment tasks.
Professional Practice 4:Lesson Preparation	EDP60201	The course is designed as the forth of a series of student's professional practice, where it focuses on the importance and strategies for lesson preparation. Students will explore the objectives of a lesson, various learning activities and the resources to be used to prepare for a lesson. Through the practical experience in school, students will be able to examine the teaching profession in a more informed way under the guidance of an experienced teacher in the primary school.
Professional Practice 5: Lesson Delivery and Management	EDP60301	The course is designed as the fifth of a series of student's professional practice, where it focuses on the lesson delivery and management. Students will explore how the lesson is introduced and concluded, the pacing of lesson components, ways of giving clear instructions in class, the questioning techniques, and on ways of organizing individual and group learning. Through the practical experience in school, students will be able to examine the teaching profession in a more informed way under the guidance of an experienced teacher in the primary school.

SEMESTER 7

Module title	Code	Synopsis
Introduction to Linguistics	EDE60303	This course seeks to introduce students to the study of the English language. The study includes the development, social context, syntax, structure, meaning and sound system of the English Language.
Statistics at Primary Level	EDM60303	This course introduces students to statistics in the primary school mathematics. It exposes students to the aims of teaching statistics in primary school mathematics, what statistics is and the key ideas and concepts in statistics at primary level. It also analyses the organization of statistics contents in primary mathematics curriculum and research on the learning of statistics at primary level. Students will also learn how to design problems related to statistics at primary level taking into consideration the mathematical thinking and processes involved in the context of learning to be competent at teaching statistics in primary school.
Professional Practice 6: Classroom Management	EDP60401	The course is designed as the sixth of a series of student's professional practice, where it focuses on the classroom management. Students will explore the interactions during lesson, how supportive learning environments are established, ways in encouraging good behaviour in the classroom and ways of establishing rules and routines. Through the practical experience in school, students will be able to examine the teaching profession in a more

		informed way under the guidance of an experienced teacher in the primary school.
Professional Practice 7: Feedback and Evaluation	EDP60501	The course is designed as the seventh of a series of student's professional practice, where it focuses on the assessment. Students will explore how feedback is given, how understanding is monitored, how written work is designed, as well as understanding the assessment procedures. Through the practical experience in school, students will be able to examine the teaching profession in a more informed way under the guidance of an experienced teacher in the primary school.

SCHOOL OF HOSPITALITY, TOURISM AND CULINARY ARTS

- Please use this form as Module Registration Form.
- This is applicable to:
    1. Bachelor of Culinary Arts & Food Service Management (Hons)
    2. Bachelor of International Tourism Management (Event Management)(Hons)
    3. Bachelor of International Hospitality Management (Hons)
    4. Bachelor of International Tourism Management (Travel & Recreation Management)(Hons)
    5. BSc Culinology

IMPORTANT NOTE:

1. Applicants must register for a semester exchange in a Bachelor Degree similar to their current one
2. Modules offered are suitable for students having completed at least three semesters of their bachelor degree
3. Applicants should select between 5 and 7 modules. The total number of credit must be above 12 credits and below 20 Credits (1 Cr= 1.5 ECTS)
4. The "Recommended Modules" shows the block of modules offered for semester-exchange students
5. Applicants can replace one or two modules from the recommended block modules list below. However, it is subject to availability at the beginning of the semester

Bachelor of Culinary Arts & Foodservice Management (Hons)
MODULE REGISTRATION

Recommended Modules block for BC (take at least 5)				
Module Code	**Module Title**	**Total SLT**	**Credits**	Tick
CUL60303	Foodservice Project Planning & Engineering	120	3.0	
ECN60103	Tourism Economics	120	3.0	
FIN60103	Financial Management	120	3.0	
FRE60202	French 2 -Intermediate	80	2.0	
CUL60202	Food Supply Chain Management	80	2.0	
CUL60402	Nutritional and Sensorial Analysis	80	2.0	
COM60202	Professional Food Writing	80	2.0	

Alternate Modules (take between 0 and 2)				
Module Code	**Module Title**	**Total SLT**	**Credits**	tick
LAW60103	Tourism & Hospitality Law	120	3.0	
RES60102	Research Methodology	80	2.0	
FRE60102	French 1 -Basic	80	2.0	
CUL60302	Psycho Sociology of Food and Eating Habits	80	2.0	

Applicant Name and Signature	Date:
Approval from Home Institution	Date:
FOR OFFICE USE ONLY	
Verified By (GLOBAL MOBILITY OFFICE)	Date:
Approved By School of Hospitality, Tourism and Culinary Arts	Date:

Final module offered is subject to availability

Bachelor of International Hospitality Management (Hons)
MODULE REGISTRATION

Recommended Modules block for BC (take at least 5)				
Module Code	**Module Title**	**Total SLT**	**Credits**	Tick
HRM60103	Hospitality Human Resource Management	120	3.0	
ECN60103	Tourism Economics	120	3.0	
MGT60202	Revenue Management	80	2.0	
FRE60202	French 2 -Intermediate	80	2.0	
BUS60103	Entrepreneurship for Hospitality	120	3.0	
REC60203	Recreational Management Applications: Resort Management	120	3.0	

Alternate Modules (take between 0 and 2)				
Module Code	**Module Title**	**Total SLT**	**Credits**	tick
LAW60103	Tourism & Hospitality Law	120	3.0	
FRE60102	French 1 -Basic	80	2.0	
MKT60203	Integrated Marketing Communication	120	3.0	
ACC60203	Management Accounting	120	3.0	
HOS60602	Hospitality Simulation	80	2.0	

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Approved By School of Hospitality, Tourism and Culinary Arts	Date:

Final module offered is subject to availability

Bachelor of International Tourism Management (Event Management)
MODULE REGISTRATION

Recommended Modules block for BC (take at least 5)				
Module Code	**Module Title**	**Total SLT**	**Credits**	Tick
HRM60103	Hospitality Human Resource Management	120	3.0	
MKT60203	Integrated Marketing Communications	120	3.0	
FIN60103	Financial Management	120	3.0	
FRE60202	French 2 -Intermediate	80	2.0	
EVT60603	Special Events & Festivals	120	3.0	
EVT60703	Live Event Project	120	3.0	

Alternate Modules (take between 0 and 2)				
Module Code	**Module Title**	**Total SLT**	**Credits**	tick
LAW60103	Tourism & Hospitality Law	120	3.0	
RES60102	Research Methodology	80	2.0	
FRE60102	French 1 -Basic	80	2.0	
MGT60202	Revenue Management	80	2.0	

Applicant Name and Signature	Date:
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Verified By (GLOBAL MOBILITY OFFICE)	Date:
Approved By School of Hospitality, Tourism and Culinary Arts	Date:

Final module offered is subject to availability

Bachelor of International Tourism Management (Travel & Recreation Management)
MODULE REGISTRATION

Recommended Modules block for BC (take at least 5)				
Module Code	**Module Title**	**Total SLT**	**Credits**	Tick
HRM60103	Hospitality Human Resource Management	120	3.0	
MKT60203	Integrated Marketing Communications	120	3.0	
FIN60103	Financial Management	120	3.0	
FRE60202	French 2 -Intermediate	80	2.0	
REC60403	Recreational Management Applications: Spa Management	120	3.0	
TOU60402	Tourism Marketing	80	2.0	

Alternate Modules (take between 0 and 2)				
Module Code	**Module Title**	**Total SLT**	**Credits**	tick
LAW60103	Tourism & Hospitality Law	120	3.0	
RES60102	Research Methodology	80	2.0	
FRE60102	French 1 -Basic	80	2.0	
TOU60703	Socio-anthropology of Tourism	120	3.0	
TOU60502	Sustainable Tourism Development	80	2,0	

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Final module offered is subject to availability

BSc Culinology®
MODULE REGISTRATION

Recommended Modules block for BC (take at least 5)				
Module Code	**Module Title**	**Total SLT**	**Credits**	Tick
FSC60203	Sensorial Analysis	120	3.0	
FSC60504	Food Processing	160	4.0	
CUL60703	Psycho-Sociology of Food & Eating Habits	120	3.0	
CUL60503	Experimental Food Products & Practices	120	2.0	

Alternate Modules (take between 0 and 2)				
Module Code	**Module Title**	**Total SLT**	**Credits**	tick
RES60102	Research Methodology	80	2.0	
NUT 60204	Introduction to Human Nutrition	160	4.0	
FBC60104	Manufacturing & Packaging	160	4.0	
FSC60403	Food Safety & Quality management	120	3.0	

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Approved By School of Hospitality, Tourism and Culinary Arts	Date:

Final module offered is subject to availability