



TAYLOR'S UNIVERSITY

Wisdom • Integrity • Excellence

ACADEMIC MODULE GUIDE 2022 (AUGUST 2022 INTAKE)

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GUIDELINES

Please read the guidelines before selecting your modules.

1. The minimum number of credits that can be taken is 16 credits and the maximum is 20 credits.
2. 1 credit is equivalent to 1.5 ECTS.
- 3. Modules can be selected from the same programme/ specialization only.**
4. Students need to fulfil pre-requisites to take certain modules. The modules selected is subject to approval by the respective faculties.
5. All modules are subject to availability of the beginning of semester. Any subsequent changes to the selection of modules are subject to the approval of the faculty and timetable availability.
6. If you are joining the exchange programme for 2 semesters, please fill in one Module Registration Form for each semester.

FACULTY OF INNOVATION & TECHNOLOGY

THE DESIGN SCHOOL

BACHELOR OF DESIGN (HONS) IN CREATIVE MEDIA

Common Core

| No | Module Code | Module Title | Credit Hours |
|----|-------------|-----------------------------------|--------------|
| 1 | GCD60104 | Typography | 4 Credits |
| 2 | GCD60204 | Illustration and Visual Narrative | 4 Credits |
| 3 | GCD61204 | Digital Photography and Imaging | 4 Credits |
| 4 | GCD60804 | Design Principles | 4 Credits |
| 5 | GCD60904 | Interactive Design | 4 Credits |
| 6 | RES60604 | Design Research Methodology | 4 Credits |

Choose ONE (1) Specialization

UIUX Specialization

| No | Module Code | Module Title | Credit Hours |
|----|-------------|----------------------|--------------|
| 1 | GCD61504 | Games Studies | 4 Credits |
| 2 | MMD60204 | Experiential Design | 4 Credits |
| 3 | DST60504 | Application Design I | 4 Credits |

Digital Animation Specialization

| No | Module Code | Module Title | Credit Hours |
|----|-------------|------------------------|--------------|
| 1 | MMD60804 | 3D Modeling | 4 Credits |
| 2 | GCD61104 | Animation Fundamentals | 4 Credits |

Entertainment Design Specialization

| No | Module Code | Module Title | Credit Hours |
|----|-------------|--------------------------|--------------|
| 1 | GCD61804 | Vehicle and Props Design | 4 Credits |
| 2 | GCD61704 | Character Design | 4 Credits |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
|-----------------------------------|---|
| Typography | This Module is designed to introduce the students to the language, tradition and craft of typography through; The practice of typographic layout, typesetting and printing; the aesthetic and contextual use of typography as a form of written communication; the historical and contemporary influences that surround and influence typographic practice; and the project briefs cover a broad base of typographic problems designed to present intellectual and practical challenges which requires research, conceptual thinking, experimentation and development of ideas. |
| Illustration and Visual Narrative | This module aims to introduce the students to the process of creating visual concepts from ideas and its pictorial communication to an audience in the form of illustrations. Through studio assignments and demonstrations, students will understand the history of visual communication, the essential skill of telling stories via images and the work processes of professional illustration. A variety of relevant media, materials and techniques are explored. Lectures on the working methods of successful illustrators will support the practical aspects. |
| Digital Photography and Imaging | Students will develop their knowledge of and skills in digital imaging and drawing through a series of lectures, demonstrations and hands-on exercises in the photo studio and lab. They will undergo practical assessments in the form of projects and exercises throughout the semester. Students will then render and submit a culminated final project and/or a body of work (portfolio) to demonstrate their ability to solve communication problems using the appropriate software and hardware as a form of final assessment. |
| Design Principles | This module provides fundamental principles of visual design for students to effectively organize and present information utilizing interfaces. This module will provide students an in-depth look into principles of perception and cognition that inform effective design. The module will utilize technologies that support and help build human-centric designs proficiencies. |
| Interactive Design | Students will be introduced to Web specific coding and technical skill to design and develop non-linear interactive pieces. The conceptual and design aspects will be considered. This module will be delivered through a structure of lecturers, demonstrations and practical. |
| Design Research Methodology | This module prepares the groundwork for the Design Research Dissertation. It will introduce students to the various research methodologies relevant to design. This will entail choosing a topic, formulating a research question, conducting a thorough literature search, and other appropriate research sources, designing a research methodology, compiling a critical bibliography and presenting it as a proposal for further development. |
| Games Studies | This module exposes the students to various types of games not restricted to digital games. They will play analog and traditional games as well, which they later analyze and share with their classmates. The experience will allow them to identify common pattern in game design and will channel them to the right direction in thinking and creating a game of their own. |
| Experiential Design | This module introduces the student to the concept of 'experiential' design where user interaction takes place in a physical but computer controlled environment, for example, using pressure pads, microphones, webcams |

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| | <p>or other external devices to control the user experience and interaction. Learning outcomes focus on the student's ability to design and create experimental physical user experiences for abstract or 'real-world' applications or uses e.g. a fine art installation or an informative interactive museum exhibition piece.</p> |
| Application Design I | <p>This module aims to broaden the students' understanding of 'usability' by applying its theories and standards to design for mobile applications. In the process the students' knowledge and practical skills in designing for mobile platforms will be increased.</p> |
| 3D Modeling | <p>This module introduces understanding of 3D modeling tools to provide a visual look at various concepts that goes into the production of games, animations and interactive media. Students will be given an in-depth look at what 3D application can do. Students will learn which tools will help to achieve their goals and why these tools work the way they do.</p> |
| Animation Fundamentals | <p>This module introduces basic fundamentals of animation techniques through 2D and 3D platforms and reinforces students to implement animation principles in production methodology. The module seeks to explore the fundamental utilization of animation to convey visual narration, elements for use in creative media in multiple animation disciplines.</p> |
| Vehicle and Props Design | <p>The module will introduce students to analyse and design functional and aesthetically pleasing props and vehicles for storytelling and entertainment purposes, with a strong focus on the relationship between form and function. Students will learn all the tricks of using drawing, photography and 3D to realize designs in a compelling way combining the knowledge of making an image in 2D with high level details informed by fundamentals in automotive, aircraft, product and industrial design in order to envision non-existing props, gadgets, equipment, weapon and vehicles that are convincing and believable to the audience. A project-based learning method will be adopted with a balance of foundational education and software-based technical training that emphasizes on extensive and in-depth skill development relevant to the demands of the industry.</p> |
| Character Design | <p>The Character Design module is meant to prepare students for the creation of original artworks for the cinematic and games industries. Students will learn to tackle the creative process of designing characters from humans, creatures and monsters combining traditional drawing and painting techniques, software and digital sculpting techniques and acting skills. A project-based learning method will be adopted with a balance of foundational education and software-based technical training that emphasizes on extensive and in-depth skill development relevant to the demands of the industry.</p> |

SCHOOL OF COMPUTER SCIENCE & ENGINEERING

BACHELOR OF INFORMATION TECHNOLOGY (HONS)

| No | Module Code | Module Title | Credit Hours |
|----|-------------|--|--------------|
| 1 | ITS63004 | IT Fundamentals | 4 Credits |
| 2 | ITS60504 | Data Structures and Algorithm | 4 Credits |
| 3 | ITS63304 | Object Oriented Programming | 4 Credits |
| 4 | ITS62904 | Database Systems | 4 Credits |
| 5 | ITS63504 | Human Computer Interaction | 4 Credits |
| 6 | ITS65404 | Information Assurance and Security | 4 Credits |
| 7 | MTH61104 | Mathematics and Statistics | 4 Credits |
| 8 | ITS63204 | Computer Networking | 4 Credits |
| 9 | CSC60504 | Professional Computing Practice | 4 Credits |
| 10 | ITS67504 | Systems Administration and Platform Technologies | 4 Credits |
| 11 | ITS65804 | System Integration and Architecture | 4 Credits |
| 12 | ITS64504 | Web Applications Programming | 4 Credits |
| 13 | ITS63904 | Web Development Technologies | 4 Credits |
| 14 | ITS62204 | Mobile Applications Development | 4 Credits |
| 15 | ITS65904 | Introduction to Cloud Computing | 4 Credits |
| 16 | ITS67304 | Wireless Networks and Security | 4 Credits |
| 17 | ITS67404 | Internet of Things | 4 Credits |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
|-------------------------------|--|
| IT Fundamentals | This course provides an overview of the history and discipline of Information Technology. It describes how it relates to other computing disciplines. The goal is to help students understand the diverse contexts of pervasive themes in Information Technology, it's application domain and the challenges inherent in the diffusion of innovative technology. |
| Data Structures and Algorithm | This module covers the fundamental concepts of data structures and algorithms. It mainly focuses on the operations (insertion, deletion, searching, traversing, deleting and sorting) elements using various data structures such as Array, Linked list, Queue, Stack, Trees, and Graphs. |
| Object Oriented Programming | This module introduces the fundamentals of Object-Oriented Programming using Java. Topics covered include Object-Oriented programming concepts, classes, inheritance, polymorphism, abstract classes and interfaces. |
| Database Systems | This module 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. |
| Human Computer Interaction | This module introduces the theories and practical of building and evaluate interface. Topic covered including various interface models and |

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| | principles, design and prototyping, graphics and visualization, and evaluations. |
| Information Assurance and Security | This course introduces students to the fundamental concepts and principles of information assurance, digital forensics, security governance, risk management, security models, design and capabilities, security vulnerabilities, threats and countermeasures, information assurance measurements and metrics, network security and security assessment and testing. |
| Mathematics and Statistics | This module will introduce the students to logic, set theory, graph theory, descriptive statistics, probability and hypothesis testing theory. |
| Computer Networking | This module introduces about the architecture of the Internet Communication such as TCP/IP Model, Protocols that support it, Transmission Medium, Multiplexing techniques, Error detection and correcting techniques, Flow Control and Error Control Techniques, Switching Technology, Routing, IP addressing, network mobility, and Internetworking components. |
| Professional Computing Practice | This subject is an introduction to Professional Computing Practices. This subject covers the ethical and legal perspective of what is required in a computing professional as well as how they affect the software development of systems used in organizations. This would include various coverage on issues such as ethical philosophies, information privacy, computer crime, computer misuse and considerations on the international and local legal framework available to protect software systems development which would cover aspects of contracts, non-disclosure agreements, intellectual property law (copyright, patent, licensing, royalties, trade-secrets, trademarks and warranty disclaimers). |
| Systems Administration and Platform Technologies | This module introduces the fundamentals of computer hardware and software. Student will learn from basic digital circuits up to how a computer is constructed. They will learn the basics of operating systems with emphasis given to practical aspects like installation and administration. A brief exposure to industrial hardware and software (OS) will be given. |
| System Integration and Architecture | In this module the students are expected to assume the role of providing a complete system based on a client's requirement. They are responsible in selecting hardware, software and services then integrate them to form the solution that end user wants. |
| Web Applications Programming | This course introduces the students to the fundamentals of the Web Applications programming and client-server technologies required to develop Web applications with database Interfaces. This course is designed to give the student the tools and the knowledge to program using the web programming language PHP as a server side language. Students will be able to use HTML, CSS, XML, AJAX, JSON, PHP, MYSQL to develop a interactive and dynamic web application. |
| Web Development Technologies | The purpose of this module is to provide students with theory and practical knowledge of internet technologies and web development using languages such as HTML, HTML 5, CSS, and JavaScript. |
| Mobile Applications Development | This module covers the core concepts of mobile applications development. It mainly focuses on analysis, development and deployment of diverse mobile applications using Android studio. |
| Introduction to Cloud Computing | This module introduces the concepts of Cloud Computing. Topics covered include Cloud Computing Models, Cloud Service Models, Cloud Service Models, Cloud Security, Operating the Cloud and The 4 D's Migration Methodology. |
| Wireless Networks and Security | Mobile and wireless devices today have outnumbered computers worldwide. Since mobile devices, such as smart phones provide |

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| | convenient anytime anywhere access to the Internet and the ability to make phone calls, run apps centered on our lives, they have become enticing targets for cyber criminals. This course is designed to address this growing threat to mobile and wireless devices, networks and services delivered over the mobile infrastructure. |
| Internet of Things | Students will learn IoT concepts, technologies, The focus will be more towards the possibilities offered by different technologies, and creative thinking and problem solving by developing simple application in real-life scenarios using IoT devices. Students will be using Raspberry Pi and Arduino devices to design and create solutions for simple real-life applications. The applications would be exploratory depending on the creative thinking and problem solving skills of the students. |

BACHELOR OF COMPUTER SCIENCE (HONS)

| No | Module Code | Module Title | Credit Hours | Prerequisites |
|----|-------------|---|--------------|---------------|
| 1 | ITS66204 | Discrete Structures | 4 | - |
| 2 | ITS62704 | Computer Architecture and Organisation | 4 | - |
| 3 | ITS63304 | Object Oriented Programming | 4 | - |
| 4 | ITS62904 | Database Systems | 4 | - |
| 5 | ITS66304 | Operating Systems and Computer Networks | 4 | - |
| 6 | ITS66404 | Software Engineering | 4 | - |
| 7 | ITS60504 | Data Structures and Algorithm | 4 | - |
| 8 | ITS66504 | Systems Fundamentals | 4 | - |
| 9 | ITS64304 | Theory of Computation | 4 | - |
| 10 | ITS63504 | Human Computer Interaction | 4 | - |
| 11 | BUS61704 | Understanding Entrepreneurialism | 4 | - |
| 12 | ITS66604 | Machine Learning and Parallel Computing | 4 | - |
| 13 | ITS66704 | Advanced Programming | 4 | ITS63304 |
| 14 | ITS67204 | Professional Practices and Information Security | 4 | - |
| 15 | ITS66804 | Statistical inference and modeling | 4 | - |
| 16 | ITS65704 | Data Science Principles | 4 | - |
| 17 | ITS61504 | Data Mining | 4 | - |
| 18 | ITS66904 | Big Data Technologies | 4 | - |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
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| Discrete Structures | This module will introduce the students to logic, proof techniques, set theory, number theory, counting principles and graph theory. |
| Computer Architecture and Organisation | This course introduces about the computer systems & organization which includes number systems, conversion techniques, Boolean algebra, basic operation of logic gates, simplification of boolean algebra , K- map, RISC and CISC, Instruction sets, Combinational Circuit, Memory Hierachy, memory addressing, Counters and Registers. |
| Object Oriented Programming | This module introduces the fundamentals of Object-Oriented Programming using Java. Topics covered include Object-Oriented programming concepts, classes, inheritance, polymorphism, abstract classes and interfaces. |
| Database Systems | This module 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. |
| Operating Systems and Computer Networks | This module introduces about the architecture of the Internet Communication such as TCP/IP Model, Protocols that support it, Transmission Medium, Multiplexing techniques, Error detection and correcting techniques, Flow Control and Error Control Techniques, Switching Technology, Routing, IP addressing, network mobility, and Internetworking components |
| Software Engineering | This course introduces the various tools and techniques used in analysis and design of software systems, and apply those tools within a recognised software development methodology and within the context of a case study. |
| Data Structures and Algorithm | This module covers the fundamental concepts of data structures and algorithms. It mainly focuses on the operations (insertion, deletion, searching, traversing, deleting and sorting) elements using various data structures such as Array, Linked list, Queue, Stack, Trees, and Graphs. |
| Systems Fundamentals | This module introduces the fundamentals of various computing concepts such as parallelism, client-server and clustering. Students are introduced to various benchmarking techniques to evaluate hardware and software platforms for performance. They will also be exposed to virtualisations technologies and its uses. |
| Theory of Computation | Computing Theory includes Formal Languages, Automata theory, Computability Theory, and Complexity Theory. Automata and Formal languages discusses the theory and properties of different computational models that include Finite Automata, Context Free Grammars and Turing Machines. Computability includes classifying problems as solvable and unsolvable, Turing Machines, Chomsky Hierarchy, and Undecidability. Complexity theory discusses classifying problems according to their degree of difficulty in terms of execution time, and Cryptography as an application of Complexity theory. |
| Human Computer Interaction | This module introduces the theories and practical of building and evaluate interface. Topic covered including various interface models and principles, design and prototyping, graphics and visualization, and evaluations. |
| Understanding Entrepreneurialism | This module will equip students with an understanding of the values underpinning entrepreneurialism and engender an entrepreneurial mind- |

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| | set, inspiring them to adopt entrepreneurial behaviours, including creativity and innovation, and teaching them to manage risk and cope with failure. This course will explore the characteristics and traits of entrepreneurs and demonstrate that exploiting a new opportunity is a process involving planning, resourcing, and managing activities including risks (the journey). |
| Machine Learning and Parallel Computing | This module is designed to provide a broad introduction to machine learning and parallel computing. Topics include: (i) Supervised learning (parametric/non-parametric algorithms, support vector machines, kernels, neural networks). (ii) Unsupervised learning (clustering, dimensionality reduction, recommender systems, deep learning). (iii) Best practices in machine learning and parallel computing. |
| Advanced Programming | This module introduces the advanced object oriented programming concepts. Topics include, exception handling, IO Streams, Event Handling, GUI Programming, Generics, and Collection. |
| Professional Practices and Information Security | This subject is an introduction to Professional Computing Practices and Information Security. This subject covers the ethical and legal perspective of what is required in a computing professional as well as how they affect the software development of systems used in organizations. This would include various coverage on issues such as ethical philosophies, information privacy, computer misuse and considerations on the international and local legal framework available to protect software systems development which would cover aspects of contracts, non-disclosure agreements, intellectual property law (copyright, patent, licensing, royalties, trade-secrets, trademarks and warranty disclaimers). The information security part covers the security fundamental concepts, principles of secure design, defensive programming, threats and attacks and network security. |
| Statistical inference and modeling | This module will introduce the students to concepts of probability, probability models, random variables, expected value and variance, descriptive statistics and inferential statistics. |
| Data Science Principles | This module introduces the Principles of Data Science. Topics covered include introduction to Data Science processes, Basics of Statistical, Exploratory Data Analysis(EDA), Machine Learning Algorithms, Extracting Meaning from Data, Data Visualization, Graph Processing and Data Science and Ethical Issues. |
| Data Mining | This module introduces the knowledge and practical exercise of step-by-step data mining activities involved in various data mining techniques, including clustering, classification, association rule mining, sequential rule mining, anomaly detection and regression analysis, using different types of data. |
| Big Data Technologies | This modules introduces students to an introduction to big data technologies, starting with MapReduce,as a computational model and an execution framework. Students will work with big data tools like Pig, HIVE, Hbase and Spark to realize how the different tools in Hadoop stack fits the overall picture big data analytics. |

BACHELOR OF SOFTWARE ENGINEERING (HONS)

| No | Module Code | Module Title | Credit Hours | Prerequisites |
|----|-------------|--|--------------|---------------|
| 1 | ITS66204 | Discrete Structures | 4 | - |
| 2 | ITS62704 | Computer Architecture and Organisation | 4 | - |
| 3 | ITS66504 | Systems Fundamentals | 4 | - |
| 4 | ITS62904 | Database Systems | 4 | - |
| 5 | ITS63204 | Computer Networking | 4 | - |
| 6 | ITS63304 | Object Oriented Programming | 4 | - |
| 7 | CSC60504 | Professional Computing Practice | 4 | - |
| 8 | CSC60604 | Software Project Management | 4 | - |
| 9 | ITS63604 | Operating Systems | 4 | - |
| 10 | ITS60504 | Data Structures and Algorithm | 4 | - |
| 11 | ITS66404 | Software Engineering | 4 | - |
| 12 | MTH60904 | Statistics and Operational Research | 4 | - |
| 13 | ITS66704 | Advanced Programming | 4 | ITS63304 |
| 14 | ITS64304 | Theory of Computation | 4 | - |
| 15 | ITS64704 | Software Testing | 4 | ITS66404 |
| 16 | ITS64804 | Software Quality Management | 4 | ITS66404 |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
|--|--|
| Discrete Structures | This module will introduce the students to logic, proof techniques, set theory, number theory, counting principles and graph theory. |
| Computer Architecture and Organisation | This course introduces about the computer systems & organization which includes number systems, conversion techniques, Boolean algebra, basic operation of logic gates, simplification of boolean algebra , K- map, RISC and CISC, Instruction sets, Combinational Circuit, Memory Hierachy, memory addressing, Counters and Registers. |
| Systems Fundamentals | This module introduces the fundamentals of various computing concepts such as parallelism, client-server and clustering. Students are introduced to various benchmarking techniques to evaluate hardware and software platforms for performance. They will also be exposed to virtualisations technologies and its uses. |
| Database Systems | This module 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. |
| Computer Networking | This module introduces about the architecture of the Internet Communication such as TCP/IP Model, Protocols that support it, Transmission Medium, Multiplexing techniques, Error detection and correcting techniques, Flow Control and Error Control Techniques, Switching Technology, Routing,IP addressing, network mobility, and Internetworking components. |
| Object Oriented Programming | This module introduces the fundamentals of Object-Oriented Programming using Java. Topics covered include Object-Oriented programming concepts, classes, inheritance, polymorphism, abstract classes and interfaces. |
| Professional Computing Practice | This subject is an introduction to Professional Computing Practices. This subject covers the ethical and legal perspective of what is required in a computing professional as well as how they affect the software development of systems used in organizations. This would include various coverage on issues such as ethical philosophies, information privacy, computer crime, computer misuse and considerations on the international and local legal framework available to protect software systems development which would cover aspects of contracts, nondisclosure agreements, intellectual property law (copyright, patent, licensing, royalties, trade-secrets, trademarks and warranty disclaimers). |
| Software Project Management | The module will cover the integral phases for Project Management Body of Knowledge consisting of initiation, planning, execution, monitoring and closing. |
| Operating Systems | This course covers an overview and principles of operating systems, concurrency and scheduling algorithms, memory management, security, system administration and maintenance. The emphasis in learning the above topics will be through hands-on. |
| Data Structures and Algorithm | This module covers the fundamental concepts of data structures and algorithms. It mainly focuses on the operations (insertion, deletion, searching, traversing, deleting and sorting) elements using various data structures such as Array, Linked list, Queue, Stack, Trees, and Graphs. |
| Software Engineering | This course introduces the various tools and techniques used in analysis and design of software systems, and apply those tools within a |

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| | recognised software development methodology and within the context of a case study. |
| Statistics and Operational Research | This module will introduce the students to concepts of probability, probability models, random variables, expected value and variance, descriptive statistics and inferential statistics. |
| Advanced Programming | This module introduces the advanced object oriented programming concepts. Topics include, exception handling, IO Streams, Event Handling, GUI Programming, Generics, and Collection. |
| Theory of Computation | Computing Theory includes Formal Languages, Automata theory, Computability Theory, and Complexity Theory. Automata and Formal languages discusses the theory and properties of different computational models that include Finite Automata, Context Free Grammars and Turing Machines. Computability includes classifying problems as solvable and unsolvable, Turing Machines, Chomsky Hierarchy, and Undecidability. Complexity theory discusses classifying problems according to their degree of difficulty in terms of execution time, and Cryptography as an application of Complexity theory. |
| Software Testing | Software Testing is an essential component of any organisation's ability to build software quality. This module presents the foundational software testing goals and approaches to testing software through all phases of the Software Testing Lifecycle. The course material includes – software testing standards and metrics, types of testing (black-box and white-box), test planning, analysis, test case generation, estimating test resources, test scheduling, test execution, assessing and managing risk, test prioritization, defect management, and test execution. Software quality assurance activities with regards to software testing will be discussed as part of a dynamic process that is flexible and constantly tuned to the changing needs of a project. |
| Software Quality Management | 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 and software maintenance. |

BACHELOR OF ELECTRICAL & ELECTRONIC ENGINEERING WITH HONOURS

| No | Module Code | Module Title | Credit Hours | Prerequisites |
|----|-------------|--|--------------|---------------|
| 1 | MTH61204 | Engineering Mathematics I | 4 | - |
| 2 | PRJ62404 | Engineering Design and Analysis | 4 | - |
| 3 | MTH61304 | Engineering Mathematics II | 4 | MTH61204 |
| 4 | EEE60804 | Circuits and Devices | 4 | - |
| 4 | EEE60904 | Electromagnetic Fields and Waves | 4 | MTH61204 |
| 6 | EEE61204 | Power System Analysis and Protection | 4 | EEE60604 |
| 7 | ENG60804 | Automatic Control and Instrumentation | 4 | MTH61304 |
| 8 | EEE60504 | Integrated Electronics | 4 | EEE60404 |
| 9 | EEE60304 | Microprocessors and Computer Architecture | 4 | EEE60404 |
| 10 | EEE61104 | Signals and Systems | 4 | MTH61304 |
| 11 | EEE60104 | Programming Techniques | 4 | - |
| 12 | ENG60704 | Engineering Design and Project Management | 4 | PRJ62404 |
| 13 | EEE60604 | Electrical Power and Machines | 4 | EEE60904 |
| 14 | EEE60704 | Power Electronics and Industrial Drives | 4 | EEE60604 |
| 15 | EEE61004 | High Voltage Engineering | 4 | EEE61204 |
| 16 | EEE61304 | Electrical Energy Generation and Utilization | 4 | EEE60604 |
| 17 | EEE61404 | Communication Systems | 4 | EEE61104 |
| 18 | ENG60204 | Professional Engineers and Society | 4 | - |
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MODULE SYNOPSIS

| Module Title | Module Synopsis |
|--------------------------------------|---|
| Engineering Mathematics I | This module will provide students with basic knowledge on applied engineering mathematics including numerical function and operators which is used in most of the engineering design applications. |
| Engineering Design and Analysis | This module lays the grounds for a project based learning journey that the students will go through. It prepares them for a successful and rewarding programme of study in their chosen engineering discipline through cultivating successful engineering habits of thinking, doing, collaborating and communicating effectively. The module also introduces the wider context for engineering practice including the Grand Challenges for engineering in the 21st Century. |
| Engineering Mathematics II | This module covers the mathematical modelling of engineering problems using differential equations and introduces various techniques for solving the challenges. It covers the statistics, probability, complex numbers and numerical analysis in solving engineering problems. It also covers the transformation of system representation between time and complex frequency domains and its analysis and solution. |
| Computing Applications for Engineers | This course will provide the students with knowledge on the background of engineering measurement and instrumentations. This course will |

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| | introduce statistical analysis and instrumentation using computer analysis in data mining process. |
| Circuits and Devices | This module deals with two main topics, circuit theory and semiconductor devices. In circuit theory, Kirchhoff's laws and network theorems are applied for the analysis of DC and AC circuits. Also, the transient response of RL, RC and RLC circuits is investigated. In semiconductor devices, the physics of conduction in solids and the effects of electric fields is demonstrated. Also, the terminal characteristics of basic devices are derived from first principles. |
| Electromagnetic Fields and Waves | This subject deals with vector analysis, electrostatic fields and magnetic fields. The behavior of time varying signals along transmission lines is investigated by considering appropriate applications. |
| Digital and Analog Electronics | This module deals with design and analysis of semiconductor based circuits and digital logic circuits. In semiconductor circuits, design and analysis of semiconductor diode rectifier and filter circuits will be demonstrated. It also introduces the design and analysis of BJT, FET, Feedback, Oscillator and Power Amplifier circuits. In logic circuit, the theory and practice of digital logic, digital circuit design and digital representation of information will be introduced. |
| Signals and Systems | 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. |
| Programming Techniques | As a fundamental module, it equips the students with theory and practice on problem solving techniques by using the structured approach. Students are required to develop programs using C programming language, in order to solve simple to moderate problems. The module covers the following: pre-processor directives, constants and variables, data types, input and output statements, text files, control structures: sequential, selection and loop. It may also include arrays and basic library functions. |
| Engineering Design and Project Management | This module lays the grounds for a project based learning journey that the students will go through. It prepares them for a successful and rewarding programme of study in their chosen engineering discipline through cultivating successful engineering habits of thinking, doing, collaborating and communicating effectively. Products that are compatible with people will dramatically reduce human error, fatigue, discomfort and stress and have a profound positive impact on overall end-user performance. The module also introduces the wider context for engineering practice including the Grand Challenges for engineering in the 21st Century. |
| Electrical Power and Machines | This module deals with the principle of operation, characteristics and applications of DC machines, AC machines and Transformers. |
| Power System Analysis and Protection | This subject deals with generation, transmission and distribution of electrical power. It introduces power quality, mitigation, and assessments of electrical power system. It also deals with load flow analysis, fault analysis, power system stability, and power system protection |
| Automatic Control and Instrumentation | Overview of instrumentation system elements, control system basics, process controllers, correction elements, PLC systems, system models, transfer functions, system response, and frequency response. |
| Integrated Electronics | This module deals with EFT and op-amp based circuits and applications. It also introduces the concept of ADC and DACs and IC fabrication. |
| Microprocessors and Computer Architecture | This unit covers three basic aspects of embedded systems namely microcontroller hardware, programming and hardware interfacing. A |

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| | study of the microcontroller system includes the understanding of architecture, memory and interface aspects. The programming aspect includes both Assembly and C program design and program development environment for the microcontroller system. The hardware interface involves the study of the interfacing circuits to the external modules. |
| Power Electronics and industrial Drives | This module deals with the principle of operation and characteristics of power switching devices and their applications in converter, inverter, chopper circuits. |
| High Voltage Engineering | This module deals with the principle of operation and characteristics of power switching devices and their applications in converter, inverter, chopper circuits. |
| Electrical Energy Generation and Utilization | This module deals with the selection and power rating of motors. It demonstrates the utilisation of electrical energy in selected applications such as electric traction, heating, welding and illumination. |
| Communication Systems | This module deals with the main features of communication systems. |
| Professional Engineers and Society | This module discusses and studies the code of ethics and professional conduct a Professional Engineer should strive to achieve and maintain. It also provides the necessary skills to ensure that undergraduate students are aware of the various learned and regulatory bodies that are responsible for the ethics of the profession, safety and health and quality management. |

BACHELOR MECHANICAL ENGINEERING WITH HONOURS

| No | Module Code | Module Title | Credit Hours | Prerequisites |
|----|-------------|---|--------------|-----------------------|
| 1 | MEC60504 | Manufacturing Engineering | 4 | - |
| 2 | ENG60804 | Automatic Control and Instrumentation | 4 | - |
| 3 | MEC60204 | Engineering Solid Mechanics | 4 | MEC60104 |
| 4 | MEC60604 | Engineering Dynamics | 4 | - |
| 5 | MTH61204 | Engineering Mathematics I | 4 | - |
| 6 | PRJ62404 | Engineering Design and Analysis | 4 | - |
| 7 | MTH61304 | Engineering Mathematics II | 4 | MTH61204 |
| 8 | ENG60104 | Computing Applications for Engineers | 4 | - |
| 9 | CHE61404 | Thermodynamics and Heat Transfer | 4 | - |
| 10 | CHE61504 | Engineering Fluid Mechanics | 4 | - |
| 11 | MEC60304 | Computer Aided Engineering & Geometric Modelling | 4 | - |
| 12 | ENG60704 | Engineering Design and Project Management | 4 | PRJ62404 |
| 13 | ENG60904 | Introduction to Electronics and Electrical Power & Machines | 4 | - |
| 14 | MEC60104 | Engineering Statics | 4 | - |
| 15 | CHE61604 | Advanced Thermofluid Engineering | 4 | CHE61404, CHE61504 |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
|---|--|
| Engineering Mathematics I | This module will provide students with basic knowledge on applied engineering mathematics including numerical function and operators which is used in most of the engineering design applications. |
| Engineering Design and Analysis | This module lays the grounds for a project based learning journey that the students will go through. It prepares them for a successful and rewarding programme of study in their chosen engineering discipline through cultivating successful engineering habits of thinking, doing, collaborating and communicating effectively. The module also introduces the wider context for engineering practice including the Grand Challenges for engineering in the 21st Century. |
| Engineering Mathematics II | This module covers the mathematical modelling of engineering problems using differential equations and introduces various techniques for solving the challenges. It covers the statistics, probability, complex numbers and numerical analysis in solving engineering problems. It also covers the transformation of system representation between time and complex frequency domains and its analysis and solution. |
| Computing Applications for Engineers | This course will provide the students with knowledge on the background of engineering measurement and instrumentations. This course will introduce statistical analysis and instrumentation using computer analysis in data mining process. |
| Thermodynamics and Heat Transfer | 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. |
| Engineering Fluid Mechanics | This module deals with three fundamental topics: first, hydrostatics in which the pressure and its relevant hydrostatic forces are studied. Second, hydrodynamics in which basic laws of conservation of mass, energy and momentum in relation to the fluid flow and its engineering applications for ideal and viscous fluid systems are studied. Third, the dimensional analysis, similarities, and Π -theorem are studied. |
| Computer Aided Engineering & Geometric Modelling | 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 and Project Management | This module lays the grounds for a project based learning journey that the students will go through. It prepares them for a successful and rewarding programme of study in their chosen engineering discipline through cultivating successful engineering habits of thinking, doing, collaborating and communicating effectively. Products that are compatible with people will dramatically reduce human error, fatigue, discomfort and stress and have a profound positive impact on overall end-user performance. The module also introduces the wider context for engineering practice including the Grand Challenges for engineering in the 21st Century. |
| Introduction to Electronics and Electrical Power & Machines | 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 |

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| | confidence when interacting with electrical engineers in industry. The subject 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. |
| Engineering Statics | Introduce the concepts of static equilibrium and internal / external forces. These principles are then applied to the analysis of pin-jointed trusses and the determination of bending moments and shear forces in loaded beams. The principle of elasticity is presented and it is then used to calculate the stresses within and the deflections of a statically determinate beam. Finally plastic collapse mechanisms are discussed and applied to the analysis of beams. |
| Manufacturing Engineering | This subject 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 subject also introduces fundamental science that determines the properties of materials, such as bonding types and atomic / molecular structures. |
| Advanced Thermofluid Engineering | In this module the concept of gas power cycles, gas vapour mixtures and air-conditioning are introduced to students. Then introduction to mass transfer and the operation of turbo-machines are given to students. Finally, external flows and airfoils are introduced and students will learn about the boundary layer concept, lift and drag, flow separation. |

BACHELOR OF CHEMICAL ENGINEERING WITH HONOURS

| No | Module Code | Module Title | Credit Hours | Prerequisites |
|----|-------------|--|--------------|---------------|
| 1 | CHE61904 | Biochemical Processes | 4 | - |
| 2 | ENG60704 | Engineering Design and Project Management | 4 | PRJ62404 |
| 3 | ENG60304 | Material and Energy Balance | 4 | - |
| 4 | ENG60604 | Sustainable Development in Engineering | 4 | - |
| 5 | CHE61104 | Chemical Engineering Thermodynamics and Simulation | 4 | - |
| 6 | CHE62004 | Process Control and Instrumentation | 4 | - |
| 7 | CHE62104 | Chemical Reaction Engineering | 4 | - |
| 8 | CHE61204 | Mass Transfer | 4 | - |
| 9 | MTH61204 | Engineering Mathematics I | 4 | - |
| 10 | PRJ62404 | Engineering Design and Analysis | 4 | - |
| 11 | MTH61304 | Engineering Mathematics II | 4 | MTH61204 |
| 12 | ENG60104 | Computing Applications for Engineers | 4 | - |
| 13 | CHE61404 | Thermodynamics and Heat Transfer | 4 | - |
| 14 | CHE61504 | Engineering Fluid Mechanics | 4 | - |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
|---|--|
| Engineering Mathematics I | This module will provide students with basic knowledge on applied engineering mathematics including numerical function and operators which is used in most of the engineering design applications. |
| Engineering Design and Analysis | This module lays the grounds for a project based learning journey that the students will go through. It prepares them for a successful and rewarding programme of study in their chosen engineering discipline through cultivating successful engineering habits of thinking, doing, collaborating and communicating effectively. The module also introduces the wider context for engineering practice including the Grand Challenges for engineering in the 21st Century. |
| Engineering Mathematics II | This module covers the mathematical modelling of engineering problems using differential equations and introduces various techniques for solving the challenges. It covers the statistics, probability, complex numbers and numerical analysis in solving engineering problems. It also covers the transformation of system representation between time and complex frequency domains and its analysis and solution. |
| Computing Applications for Engineers | This course will provide the students with knowledge on the background of engineering measurement and instrumentations. This course will introduce statistical analysis and instrumentation using computer analysis in data mining process. |
| Thermodynamics and Heat Transfer | 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. |
| Engineering Fluid Mechanics | This module deals with three fundamental topics: first, hydrostatics in which the pressure and its relevant hydrostatic forces are studied. Second, hydrodynamics in which basic laws of conservation of mass, energy and momentum in relation to the fluid flow and its engineering applications for ideal and viscous fluid systems are studied. Third, the dimensional analysis, similarities, and Π -theorem are studied. |
| Properties and Applications of Materials | 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. |
| Biochemical Processes | This module introduces some fundamental aspects of biochemical processes, focusing on reactor design and basic purification-separation technologies. The structures and functions of microorganisms and biomolecules are introduced. The enzymes kinetics, cell metabolic pathway and cell growth kinetics are included. The aspects of the bioreactor design such as reactor configuration, operating conditions and mode of operation are applied. The final focus is on purification of products using different product recovery sections such as recovery of particulates, product isolation, precipitation and combined operation. |
| Engineering Design and Project Management | This module lays the grounds for a project based learning journey that the students will go through. It prepares them for a successful and rewarding programme of study in their chosen engineering discipline |

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| | through cultivating successful engineering habits of thinking, doing, collaborating and communicating effectively. Products that are compatible with people will dramatically reduce human error, fatigue, discomfort and stress and have a profound positive impact on overall end-user performance. The module also introduces the wider context for engineering practice including the Grand Challenges for engineering in the 21st Century. |
| Material and Energy Balance | This module covers the analysis of chemical engineering processes, using the material and energy balance approach, in single and multiple unit systems. Also covered are open, closed, reacting and non-reacting systems as well as phase changes in a chemical process. |
| Sustainable Development in Engineering | Environment pollution control is a practice that all chemical engineers need to implement. All possible pollutants are discussed in this module and case studies are applied to implement standards on existing pollution problems. The module includes lectures and practical work on current environmental issues, environmental legislation, and environmental pollution control analysis. |
| Chemical Engineering Thermodynamics and Simulation | 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. |
| Process Control and Instrumentation | This module covers the mathematics and dynamic modelling techniques, basic principles of analysis and design of process with the appropriate mathematical tools and introduction to instrumentation. Students are taught how to construct and analyse 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 analyse and solve linear and non-linear chemical engineering-based models, with examples and introduction to instrumentation will be also taught. Finally, this module will cover topics such as transfer functions, ideal dynamic systems, classical PID controllers, feedback control block diagram analysis, stability concept and analysis, structure and components of modern control loops, and practical aspects of industrial process control. |
| Chemical Reaction Engineering | This module covers the fundamentals of reaction engineering, including the reaction kinetics and the effect of temperature in ideal reactors. The mechanism for catalytic reactions such as bulk diffusion, adsorption, surface reaction and internal diffusion will be covered. In this module, students also learn about advanced reaction engineering including non-ideal flow and design of multiphase reactor systems. |
| Mass Transfer | This module covers the theory behind mass transfer. This includes 1-dimensional and 2-dimensional steady and unsteady state mass transfer in chemical engineering processes including transport in multicomponent system. Chemical engineering processes such as membrane separations, adsorption, absorption, crystallisation and filtration are described. |

SCHOOL OF ARCHITECTURE, BUILDING AND DESIGN

BACHELOR OF SCIENCE (HONS) IN ARCHITECTURE

COMMON CORE

| No | Module Code | Module Title | Credit Hours | Prerequisites |
|----|-------------|-------------------------------------|--------------|---------------|
| 1 | ARC60208 | Architectural Design I | 8 | - |
| 2 | ARC62404 | Design Communication | 4 | - |
| 3 | ARC60604 | Computer Applications | 4 | - |
| 4 | BLD61904 | Building Services | 4 | - |
| 5 | ARC60104 | Advanced Architectural Construction | 4 | BLD61604 |
| 6 | ARC60804 | Architecture History and Theory | 4 | - |
| 7 | ARC60704 | Theories of Asian Architecture | 4 | - |
| 8 | BLD61604 | Building Construction and Materials | 4 | - |

CHOOSE ONE (1) EXTENSION

HERITAGE AND CONSERVATION

| No | Module Code | Module Title | Credit Hours | Prerequisites |
|----|-------------|---|--------------|---------------|
| 1 | ARC61104 | Heritage Conservation: Theories, Principles and Practices | 4 | - |
| 2 | ARC61204 | Architectural Conservation and Tourism | 4 | - |
| 3 | ARC61604 | Sustainable Design Policies and Regulation | 4 | - |
| 4 | ARC61804 | Green Strategies for Building Design | 4 | - |

SUSTAINABLE DESIGN

| No | Module Code | Module Title | Credit Hours | Prerequisites |
|----|-------------|--|--------------|---------------|
| 1 | ARC61604 | Sustainable Design, Policies and Regulations | 4 | - |
| 2 | ARC61704 | Sustainable Living | 4 | - |
| 3 | ARC61804 | Green Strategies for Building Design | 4 | - |
| 4 | ARC61904 | Energy and Architecture | 4 | - |
| 5 | ARC62004 | IT Application for Sustainable Design | 4 | - |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
|-------------------------------------|---|
| Architectural Design I | Architectural Design 1 is structured as an introduction to architectural design. This preliminary design module aims to present and explain design through the expression of the perception of 'self' and the body. Students will undertake a series of studio-based exercises and assignments that introduces the fundamental methods, principles and approaches in design thinking and basic spatial design. |
| Design Communication | The subject 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 to prepare students with the skills required in design projects. These skills are taught through a series of freehand and constructed drawing held both outdoors and in the studio. |
| Computer Applications | The module introduces essential skills of communicating design through the aid of relevant computer software. Students are taught in utilizing the computer as visualization, modelling and rendering tool in the production of drawings needed in the design process. They are also encouraged to carry out self-research in regards to the other capabilities and more complicated features of the software. Students will also be taught on the potential of "cross breeding" different software, in order to garner the necessary desired results for their visualization work. |
| Building Services | Students are introduced to the basic services systems commonly provided in buildings, primarily cold and hot water supply, sanitary and sewerage system, rainwater management, electrical supply, fire protection in buildings, mechanical ventilation, air-conditioning systems and vertical transportation systems. Students will also learn about building codes such as Uniform Building By-Law (UBBL) and other relevant laws and standards related to the subject matters. |
| Advanced Architectural Construction | This module introduces the principles and practices of construction technology for long-span and tall buildings. It focuses on the construction systems of basement, building façade and envelope systems as well as steel construction. It also covers the new and recent construction technologies and systems including modular construction (MC) and Industrialised Building System (IBS). |
| Architecture History and Theory | A chronological survey of the developments of Western architecture from the beginning of time to the modern movement, 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. |
| Theories Of Asian Architecture | The module explores how traditions of architecture developed in the South, Southeast and East Asian regions in terms of architectural design and construction, building science and technology, garden design and city planning. Studies of significant issues in contemporary Asian architecture are guided through three key themes: tradition, modernity and globalization. These themes will guide the organization of lecture and seminar sessions, which will proceed from the establishment of a basic theoretical apparatus to the examination of specific cases. |
| Building Construction and Materials | In this module, students will learn the basic building construction and materials used in the construction of small to medium scale buildings. It |

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| | focuses on the building elements which include the sub-structure and super structure and main construction materials such as concrete, timber, metal and glass. |
| Heritage Conservation: Theories, Principles and Practices | This module is intended to give students a practical understanding of the key principles, theories and methods of documentation of heritage conservation to enable students to understand the importance of preserving cultural and architectural heritage. Students will develop their awareness and understanding of the different approach of heritage conservation of buildings and landscapes. Students will also explore the differences between conservation, restoration and reconstruction within a historical and cultural context. |
| Architectural Conservation and Tourism | This module intends to introduce to the students the current issues of conservation in Malaysia and beyond and to instill awareness on the values and importance of architectural conservation. It also identifies the inter-dependence between architecture and tourism and showcases how tourism is sometimes vital for the preservation of historic architecture and places as well as the innovative re-use of buildings. The module also highlights the balance that is necessary to achieve a long-term sustainable environment for memorable architecture to survive and flourish in the era of mass tourism. |
| Sustainable Design, Policies and Regulations | An introductory module that allows students to learn the basic knowledge in sustainable design and policies that regulates its practice. In this module, topic will look into fundamentals of sustainability, principles of sustainable design and basic method of achieving it. Students are to learn, read and interpret regulations and cases relating to water, air, building construction and acts in the environment. Furthermore comply with today's sustainability requirements and qualifications through understanding and applying GBI and the green building requirements. |
| Green Strategies for Building Design | A look into energy efficient residential, commercial and other building typology. Allocation of green components: building shell, HVAC, lighting, indoor air quality and others. Students will undertake case studies to critically evaluate the effectiveness of real life applications of sustainable design strategies. |
| Sustainable Living | In an increasingly urbanized world, there is growing international demand for the studies on livable cities. This course work will equip the learner with the knowledge and skills to participate in this rapidly expanding profession and find their position as architects. The module uses case study method through films and explores on cities of Malaysia and international contexts focusing on a particular theme pertinent to sustainable living. The students are to explore the relationships of intangible aspects or the content such as cultural, climatic and social situations/user-experiences to tangible aspects such as form, activity and movement pattern. Firstly, the students understand what makes the characteristics of a city for a formal understanding on sustainable aspects. Later, such a characteristic understanding on urban form will be tested for what is still evidenced on the urbanity and content of livability. The course work aims to inspire the students towards fundamental knowledge and skills necessary to comprehend urban places and sustainable living. It is an exploration of both literature and reality. |
| Energy and Architecture | The module will provide students a comprehensive understanding of how energy is used in buildings. Hence, will introduce principles and ways to achieve energy efficiency in environmental systems operation, renewable energy technology and architectural design features. |

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| IT Application for Sustainable Design | The module aims to introduce students to the use of information technology (IT) and software applications using Building Information Modeling (BIM) as the main platform. BIM is a thriving technology and approach that can be used in Architecture, Engineering and Construction (AEC) industry of different countries to achieve sustainable design. Students are expected to learn the areas of BIM and its applications with the usage of relevant tools such as Autodesk Revit in order to produce an information based building model for building documentation, environmental analysis and building performance simulations. |
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BACHELOR OF QUANTITY SURVEYING (HONS)

| No | Module Code | Module Title | Credit Hours | Prerequisites |
|----|-------------|---|--------------|---------------|
| 1 | BLD60104 | Construction Technology I | 4 | - |
| 2 | BLD61104 | Environmental Science and Services | 4 | - |
| 3 | BLD60308 | Fundamental Measurement and Costing | 8 | - |
| 4 | BLD60204 | Construction Technology II | 4 | BLD60104 |
| 5 | BLD61304 | Building Services Technology | 4 | BLD61104 |
| 6 | BLD60408 | Measurement of Building Works and Costing | 8 | BLD60308 |
| 7 | BLD61504 | Procurement and Contract Administration | 4 | - |
| 8 | BLD60508 | Advanced Measurement | 4 | BLD60408 |
| 9 | BLD60608 | Construction Economics and Management | 4 | - |
| 10 | BLD61804 | Value Engineering and Management | 4 | - |
| 11 | BLD60208 | Engineering Measurement | 8 | - |
| 12 | QSB61004 | Professional Practice | 4 | - |
| 13 | LAW66104 | Construction Law and Dispute Resolution | 4 | - |
| 14 | QSB61008 | Quantity Surveying Studio | 8 | - |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
|------------------------------------|---|
| Construction Technology I | This module enables the development and establishment of a base knowledge of the fundamental principles of design, materials and technology. Such base knowledge enables students to appreciate the decisions made on design, materials, functional element, selection and the rational and economic use of resources. It also explains the fundamentals of foundations, piled foundation, concrete framed buildings, walls, windows, doors. The students are also introduced to the principles of sketching. |
| Environmental Science and Services | This 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 |

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| | basics requirements, Uniform Building By-Law (UBBL), planning, coordination and installation of these services. |
| Fundamental Measurement and Costing | The module covers the principles, purpose and function of Standard Method of Measurement (SMM) including measurement principles, descriptions and standard phraseology in the measurement of structural works. The students are also introduced to the principles of specification writing, form of specification and their uses in the various trades. This module also provides an introduction on the principle of estimating and components prices such as material, plant, wastage, profit and labour. |
| Construction Technology II | This module enables the development and establishment of knowledge of the principles of design, materials and technology. This knowledge enables students to appreciate the decisions made on design, materials, functional element, selection and the rational and economic use of resources. This module explains the ceilings, stairs, roof structure, roof coverings, building frames, deep excavation, shoring and underpinning and retaining wall. |
| Building Services Technology | This module introduces students to services that are commonly provided in a building, such as fire protection system, vertical transportation system, mechanical air-conditioning system and electricity generation and supply system. Students are also made familiar with basics requirements, Uniform Building By-Law (UBBL), planning, coordination and installation of these services. |
| Measurement of Building Works and Costing | This module covers the principles, purpose and function of Standard Method of Measurement (SMM2) including measurement principles, descriptions and standard phraseology. It also covers the measurement of architectural works based on the Standard Method of Measurements for Building Works Second Edition by the Royal Institution of Surveyors, Malaysia. The students are exposed to the specification writing and preparation of Bills of Quantities for the various trades as described above. This module also provides an introduction on the principle of estimating and components prices such as material, plant, wastage, profit and labour. |
| Procurement and Contract Administration | This module provides an overview of professional and contractual responsibilities of a quantity surveyor in the consultant group from the design stage to the final account stage. It will focus on the importance of a clear understanding of the organization and administration of quantity surveyor and construction management practices and the legal and contractual procedures in relation to building procurement. |
| Advanced Measurement | This module covers the measurement of structural steelwork, bored piles foundation, renovation & demolition works and various elements of external works. The module also 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 building 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. |
| Construction Economics and Management | This module provides an overview of the Quantity Surveyor's role during the pre and post-tender stage of a development, roles and contribution of construction industry to national economy. The students will be introduced to practical situations of the various methods of controlling the cost of buildings at the design stage. Students also will be introduced to the relationship between building morphology, design variables and life cycle costing of a building. It is initiated with the introduction of the process in a property development and factors that influence the |

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| | development process. The module also covers principles and practices of financial management and various techniques of development appraisal and source of finance available. It is then concluded with the important of market research to the overall development process and its impact of research to the development. |
| Value Engineering and Management | This module provides the history, background, theories, concepts and principles of Value Management/Value Engineering in decision making process. The module also introduces the idea of unnecessary cost and cost cutting exercise in the cost planning and control stage of the project development. It is then generally covers area of implementation of value engineering and the key person involved – the facilitator. The subject concluded with a series of discussion on the problem and constraint in the implementation stage based on some significant case studies. |
| Engineering Measurement | This module covers the principles, purpose and function of the SMM2 and MYCESMM including measurement, descriptions and standard phraseology in the measurement of cold and hot water plumbing works, sanitary plumbing and appliances, M&E works and various civil engineering works. The students are also introduced to the principles of specification writing, form of specification and their uses in the various trades. 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 building 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. |
| Professional Practice | The module provides an overview of professional and contractual responsibilities of a Quantity Surveyor in the consultancy setup from the inception stage to the final account stage. It focusses on the importance of a clear understanding of the organization and contract administration of quantity surveying practices and the legal and contractual procedures in relation to built environment. |
| Construction Law and Dispute Resolution | This module provides an understanding of the principles of construction laws and its applications. By understanding the basic principle of construction law, the importance of adhering to the specific procedures and notices are emphasized. The next phase is to develop an in-depth knowledge on the application of the law and the remedies available to the parties. Subsequently, students will be able to adopt a systematic approach to analyze disputes and the respective liabilities. Lastly, this module focuses to enhance the students' knowledge on matters involving contractual claims and its assessment. |
| Quantity Surveying Studio | This module covers the measurement of building works and external works, principle of preamble and specification writing and their uses for the various trades, estimating and cost plan, work programme, procurement and project administration and teamwork coordination. |

FACULTY OF BUSINESS & LAW

TAYLOR'S BUSINESS SCHOOL

SCHOOL OF MANAGEMENT AND MARKETING

BACHELOR OF BUSINESS (HONOURS) IN INTERNATIONAL BUSINESS & MARKETING

| No | Module Code | Module Title | Credit Hours | Prerequisites |
|----|-------------|--|--------------|---------------|
| 1 | ACC62104 | Accounting for Non-Specialists | 4 | - |
| 2 | MGT60104 | Introduction to Management | 4 | - |
| 3 | COM61604 | Business Communication | 4 | - |
| 4 | ECN60104 | Microeconomics | 4 | - |
| 5 | FIN60104 | Introduction to Finance | 4 | - |
| 6 | MKT60104 | Principles of Marketing | 4 | - |
| 7 | ECN60204 | Macroeconomics | 4 | ECN60104 |
| 8 | LAW60104 | Business Law | 4 | - |
| 9 | MKT60204 | Consumer Behavior | 4 | MKT60104 |
| 10 | BUS60104 | Introduction to International Business | 4 | - |
| 11 | OBM60104 | Organisational Behavior | 4 | MGT60104 |
| 12 | STA60104 | Quantitative Methods for Business | 4 | - |
| 13 | MGT60304 | Export Practices and Management | 4 | BUS60104 |
| 14 | MKT60604 | Integrated Marketing Communications | 4 | MKT60104 |
| 15 | RES60104 | Research Methods | 4 | - |
| 16 | FIN61104 | International Finance | 4 | FIN60104 |
| 17 | MGT60604 | Transnational Management | 4 | BUS60104 |
| 18 | MKT60404 | Services Marketing | 4 | MKT60104 |
| 19 | BUS60204 | Business Ethics and Values | 4 | - |
| 20 | MGT60504 | Strategic Management | 4 | MGT60104 |
| 21 | BUS60404 | International Business Issues and Policies | 4 | BUS60104 |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
|--------------------------------|--|
| Accounting for Non-Specialists | This module introduces students to the various concepts, techniques and processes that collectively make up the foundations of financial accounting. It aims to develop students' understanding of the accounting process, recording of accounting data, preparing and analysing financial statements and using accounting-related information for effective decision making and also demonstration of accountability. In summary, this module is designed to suit the needs of non-accounting and non-finance students. The module is supported by a combination of face-to-face lectures, tutorials, and online approaches. The online mode of delivery is supported by TiMES. There are formative feedback sessions to recap what have been learned to ensure alignment with the module learning outcomes. The assessment approach of this module consists of |

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| | <p>three parts, i.e. mid-term test, group assignment and final examination. The mid-term test is designed to test students' understanding on users, needs and sources of financial statements. The group assignment is designed to develop the ability of students to work in a group of 3 to 4 students. Specifically, the group assignment requires students to apply various concepts and techniques related to financial accounting. The final examination is aiming to assess students' ability to analyse and interpret financial statements. In the exam, students are expected to perform calculations, apply accounting concepts, analyse and interpret financial statements.</p> |
| Introduction to Management | <p>This module is designed to provide the candidate with the basic concepts and principles of management in organisations. It focuses on the context of managerial activity and covers the four major functions of management i.e. planning, organising, leading and controlling and places them in a historical, political and economic context.</p> |
| Business Communication | <p>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 emphasises 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.</p> |
| Microeconomics | <p>In a continuously ever changing globalised 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.</p> |
| Introduction to Finance | <p>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.</p> |
| Principles of Marketing | <p>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, analyse 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.</p> |
| Macroeconomics | <p>In an increasingly globalised 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</p> |

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| | 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. |
| Business Law | 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 organisations. Students will have the opportunity to develop skills in critically analysing legal problems and issues affecting business and applying the legal principles in solving these issues. |
| Consumer Behavior | The field of consumer behaviour attempts to explain and predict the ways in which consumers think and behave in given situations. Consumer Behaviour investigates the manner that people interact with products and their marketing environment. This can include the purchase of products, the consumption of services, or the disposal of goods. Understanding consumers enables marketers to more effectively meet the needs of buyers in the market, and be more successful in the market. This module focuses on studying the process of consumer decision making and the resulting implications for marketing strategy. Concepts and theories covered in this module are essential for consumer analysis and the development of effective marketing strategies. To understand consumer behaviour, it is important to understand some concepts and theories borrowed from fields such as psychology, sociology, economics, etc. In addition during this module students will explore many social, cultural and marketing factors that influence the selection and usage of products and services. |
| Introduction to International Business | 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 organisations 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. |
| Organisational Behavior | This module is designed to provide the candidate with an introduction to psychological and behavioural approaches to the study of work and organisations. The module introduces some of the basic analytical tools and concepts from the fields of organisational behaviour and work psychology that encourage an understanding of the behaviour of individuals and groups in the workplace. |
| Quantitative Methods for Business | 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, |

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| | 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. |
| Export Practices and Management | There are new opportunities & challenges arising in global marketing and exporting. In order for any organisation 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. This module focuses on the marketing decisions as well as the management processes involved in developing export and other types of international marketing operations. Among areas that will be touched upon would include the most important emerging markets (China & India) in the modern business world, the increased importance of cultural differences in all aspects of exporting, the management of the Supply Chain and logistics. |
| Integrated Marketing Communications | This course deals with advertising management from theoretical and practical perspectives. It will expose students to various managerial and strategic decisions relating to advertising management. Topics covered will be: the structure of the advertising industry, management of the relationship between agency and client, creative advertising strategy, media developments, budgeting, international advertising considerations, advertising research techniques and ethical issues in advertising and promotion. |
| Research Methods | 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 organisational 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. |
| International Finance | 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. |
| Transnational Management | This module focuses on management's challenge associated with developing strategies, designing organisations 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, organisation and operations that are innately complex diverse and uncertain. In this |

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| | <p>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 (Multinational 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.</p> |
| Services Marketing | <p>This module introduces several unique characteristics of services that require a distinctive approach to marketing strategy – both in its development and execution. Students will be exposed to organisational effort in improving service quality, increasing and maintaining customer satisfaction levels, generating customer loyalty, managing the service demand and creating a healthy service culture within the firm. The 7 Ps of the ‘Services Marketing Mix’ (the traditional 4 Ps plus people, processes, and physical evidence) will be elaborated in examining successful internal marketing in addition to the more traditional customer-focused external marketing.</p> |
| Business Ethics and Values | <p>This module provides an understanding of the ethical issues and dilemmas affecting managers in organisations 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.</p> |
| Strategic Management | <p>This module is designed to provide the candidate with a comprehensive understanding on how organisations 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.</p> |
| International Business Issues and Policies | <p>“International Business Issues and Policies” 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. Those ideas will be applied via case studies and simulations.</p> <p>Globalisation means that almost every company is affected by competition from foreign enterprises. Many firms are seeking opportunities to enter new foreign markets and expand the ones that they have already penetrated. Managing in a globalised 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 organisations through a consideration of the structure and challenges of the industry at the global, national and provincial levels.</p> |

SCHOOL OF ACCOUNTING AND FINANCE

BACHELOR OF BUSINESS (HONOURS) IN FINANCE AND ECONOMICS

| No. | Module Code | Module Name | Credit Hours | Pre-Requisite |
|-----|-------------|-----------------------------------|--------------|---------------|
| 1 | ACC60104 | Introduction to Accounting | 4 | - |
| 2 | ECN60104 | Microeconomics | 4 | - |
| 3 | FIN60104 | Introduction to Finance | 4 | - |
| 4 | ECN60204 | Macroeconomics | 4 | - |
| 5 | LAW60104 | Business Law | 4 | - |
| 6 | STA60104 | Quantitative Methods for Business | 4 | - |
| 7 | MGT60504 | Strategic Management | 4 | - |

LIST OF ELECTIVES

| No. | Module Code | Module Name | Credit Hours | Pre-Requisite |
|-----|-------------|--|--------------|---------------|
| 1 | FIN61104 | International Finance | 4 | - |
| 2 | ACC60404 | Management Accounting | 4 | ACC62104 |
| 3 | FIN62504 | Fintech & Innovation | 4 | - |
| 4 | ECN60704 | International Economic Theory & Policy | 4 | - |
| 5 | ECN60404 | International Trade and Multinational Business | 4 | - |
| 6 | CSC60404 | Management Information System | 4 | - |

MODULE SYNOPSIS

| MODULE TITLE | MODULE SYNOPSIS |
|----------------------------|---|
| Introduction To Accounting | This module introduces students to the various concepts, techniques and processes that collectively make up the foundations of financial accounting. It aims to develop students' understanding of the accounting process, recording of accounting data, preparing and analysing financial statements, and using accounting-related information for effective decision-making and also demonstration of accountability. |
| Microeconomics | In a continuously ever-changing globalised 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. |

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| Introduction to Finance | 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 | In an increasingly globalised world, countries and their governments need to be able to make quick, well informed, and correct decisions to achieve their macroeconomic objectives. This module focuses on 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. |
| Business law | 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 organisations. Students will have the opportunity to develop skills in critically analysing legal problems and issues affecting business and applying the legal principles in solving these issues. |
| Quantitative Methods for Business | 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. |
| Strategic Management | This module is designed to provide the candidate with a comprehensive understanding on how organisations 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. |
| International Finance | 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. |

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| International Economic Theory & Policy | The International Economics module consists of contemporary international economic issues, which include international trade, economic integration, international capital market and economic crisis. Students are provided with thorough grounding and analytical perspective of international economic theories, policies, as well as economic interaction between sovereign countries as a result of massive globalization. The module will thus improve students' awareness and understanding of the international and national problems of forming and implementing macroeconomic policies, while extending the students' understanding of international economic policy issues. |
| Management Accounting | 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 organisations. Students learn that with the current competitive business environment, good application of costing system would help organisations to compete. |
| Fintech & Innovation | The module emphasizes the importance of technology in financial services. Students are introduced to an exploration of technology and the concept of Financial Innovation. The learning and teaching approach for the module will be technology-based example, with students engaging with practical tasks during the tutorial sessions and presenting their ideas and thoughts within the group. There is regular review, feedback and critique sessions leading to the final design review to assess progress and alignment to the learning outcomes in relation to the brief. The module is supported by a combination of online lectures and materials. Examples and case-studies will also be used to engage students with the potential solutions FinTech can offer to support the SME's business activities. Experts from FinTech industry will also be invited to share and discuss their experience. |
| International Trade and Multinational Business | In an ever progressing and changing business environment; trade 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 analyse the operation of international currency markets and the different types of exchange rate regimes. The module gives students the conceptual basis and the necessary tools for understanding international trade environment and the role of business in the economy. |
| Management Information System | This subject introduces management information systems (MIS) that business students will find vital to their professional success. It is neither solely a technology course, nor a business course, but necessarily a combination of both. In essence, it aims to equip students with fundamental knowledge that allow them to critically |

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| | understand and assess future technological movements, problems, and concepts that they will face in their professional careers. |
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FACULTY OF HEALTH & MEDICAL SCIENCES
SCHOOL OF BIOSCIENCES
BACHELOR OF BIOMEDICAL SCIENCE (HONS)

| No | Module Code | Module Title | Credit Hours | Prerequisites |
|-----------|--------------------|---|---------------------|----------------------|
| 1 | BIO60204 | Principles of Biochemistry | 4 | - |
| 2 | MIC60104 | Introduction to Microbiology | 4 | - |
| 3 | BIO60904 | Cell Biology | 4 | - |
| 4 | PHC62004 | Basic Pharmacology and Toxicology with Health Informatics | 4 | - |
| 5 | BIO61904 | Basic Anatomy with Histology and Hematology | 4 | |
| 6 | | Advanced Pharmacology | | |
| 7 | | Clinical Chemistry | | |
| 8 | | Human Pathology | | |
| 9 | BIO62004 | Instrumentation in Medical Diagnostic, Laboratory Science and Blood Banking | 4 | BIO61904 |
| 10 | | Medical Parasitology | | |
| 11 | | Clinical Genetics | | |
| 12 | BIM60304 | Immunology | 4 | BIO61904 |
| 13 | | Applications of Bioinformatics | | |
| 14 | MIC60804 | Medical Microbiology | 4 | MIC60104 |
| 15 | BIM60604 | Epidemiology, Public Health and Bioethics, Biostatistics | 4 | - |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
|------------------------------|--|
| Principles of Biochemistry | This module provides an introduction to biomolecules in living systems. Students will be introduced to the basics of bioenergetics before progressing to studying energy metabolism pathways and their regulation. The individual pathways will then be integrated together to give students a holistic view of energy metabolism. |
| Introduction to Microbiology | This module provides fundamental principles of microbiology in relation to the diversity of microorganisms in the universe, the structural and physiological characteristics of microorganisms and the roles of microorganisms in the environment and impact on human health and diseases. |

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| | <p>The application of microorganisms in food industry, environmental management, and bioindustry. The basic microbiological techniques such as isolation, plating, sub-culturing, aseptic techniques, enumeration of bacterial cells, and growth control of microorganisms will be taught in this module.</p> |
| Cell Biology | <p>This module delivers knowledge on science of cell. Cell biology is designed to provide you with a comprehensive understanding of cell structures and functions, including how cells divide, genetic information systems, generate energy, coordinate complex processes and communicate in a living system. Hence, this module aims at providing fundamental basics of the biological processes and emphasises the core concepts such as biochemistry and molecular biology. Moreover, students will be exposed to practicals sessions which will enhance their understanding of the module material, as well as to develop their experimental skills.</p> |
| Basic Pharmacology and Toxicology with Health Informatics | <p>This module introduces the student to the fundamentals of drug action in the human body. Topics include drug-receptor binding and activity, induction of cell signalling upon binding, drug absorption, distribution and metabolism. The module also focuses on the application of these concepts to the understanding and prevention of mortality and morbidity resulting from exposure to toxic substances. Students will understand the interaction between information technology and healthcare delivery and management issues in the current healthcare arena. Laboratory activities will also be geared towards teaching students to generate, analyze and interpret pharmacological and toxicological data.</p> |
| Basic Anatomy with Histology and Hematology | <p>Human Anatomy with Histology & Hematology module focuses on the fundamental principles of human major body systems (musculoskeletal system, central nervous system, endocrine system, cardiovascular system, respiratory system, gastrointestinal system, urinary system and reproductive system) in human body. In this module, both macroscopic (gross) anatomy and microscopic anatomy (histology) of the major body systems will be addressed in classroom and laboratory. Some disease situations will also be discussed in relation to a change in the organization of the organ systems. Some memorizing (especially new terms) is inevitable, but through this module, students will learn to appreciate the wonders of the human body's amazing structures and functions.</p> |
| Instrumentation in Medical Diagnostic, Laboratory Science and Blood Banking | <p>This module introduces the student to basic principles in physics that underlie diagnostic, analytical and therapeutic instrumentation in biomedical sciences. These include mechanics of movement, fluids, acoustics, optics, lasers, magnetism, radiation and imaging. Students will learn the theory and application of specific instruments to measure biological parameters in both research and clinical settings. In addition, students will also learn the concepts and techniques in molecular biology, including fundamental knowledge on primer design, aseptic techniques in mammalian cell culture, mammalian RNA and cDNA analysis and DNA sequence analysis. They will also be introduced to the principles and technique in blood banking.</p> |
| Medical microbiology | <p>Medical microbiology involves the study of microorganisms that can cause disease in the human host. This module will focus on major infectious diseases that are threatening human health globally. The epidemiology, biology, pathogenesis, signs/symptoms, transmission, diagnosis and treatment of infectious diseases due to microorganisms will be taught. In addition, the ways by which the host immune system interacts with microorganisms and the effect on clinical outcomes will be discussed. Students will also learn about the ways to treat disease and</p> |

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| | control infectious microorganisms, through the use of drugs and vaccines. This module also incorporates a practical component, where students will learn the basic microbiological laboratory techniques that can be used in bacterial identification and diagnosis. |
| Immunology | Immunology is essential science for knowing how human body distinguishes components of “self” and “non-self”. Immune system works to eliminate invading microorganisms, tumor cells, foreign substances and transplants. This module introduces components of immune system and how individual component integrates for effector function. Students will learn the details of molecular and cellular mechanisms of immune responses. Clinical and applied immunology emphasize on diseases cause by disorders of immune system, immune responses to transplants and tumor cells, as well as the use of components of immune system for clinical laboratory diagnostics. Laboratory practicals are designed for students to gain experience mainly in conducting diagnostic tests. |
| Epidemiology, Public Health and Bioethics, Biostatistics | This module teaches the epidemiology of communicable and non-communicable diseases; methods used for epidemiological studies and surveillance; the social and political influences on patterns of health and healthcare; effective public health practice and health promotion, simple biostatistical analysis and interpretation of study findings. |

BACHELOR OF FOOD SCIENCE (HONOURS)

| No | Module Code | Module Title | Credit Hours | Prerequisites |
|----|-------------|--|--------------|--|
| 1 | BIO60904 | Cell Biology | 4 | - |
| 2 | CHM61104 | Fundamental of Chemistry | 4 | - |
| 3 | MIC60104 | Introduction to Microbiology | 4 | - |
| 4 | NUT60104 | Introduction to Food Science and Nutrition | 4 | - |
| 5 | BIO60204 | Principles of Biochemistry | 4 | - |
| 6 | FSC60104 | Food Chemistry | 4 | CHM61004 |
| 7 | FSC60904 | Food Physics | 4 | CHM61004 |
| 8 | FSC60304 | Food Microbiology | 4 | MIC60104 |
| 9 | FSC60404 | Food Preservation | 4 | FSC60304 |
| 10 | FSC60504 | Food Processing | 4 | FSC60104 |
| 11 | NUT60504 | Food and Nutrients Evaluation | 4 | FSC60104 |
| 12 | NUT60604 | Techniques in Food/ Nutrition Research | 4 | FSC60104 |
| 13 | PRJ63404 | Food Product Development | | FSC60104, FSC60304, FSC60404, FSC60504, NUT60504 |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
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| Cell Biology | <p>This module introduces the student with a comprehensive understanding of cell structures and functions, including how cells divide, genetic information systems, generate energy, coordinate complex processes and communicate in a living system. The core concepts of molecular cell biology and techniques which are essential to build up the strong foundation in any of the core disciplines covered in the programme.</p> <p>The teaching and learning approach for the module will be real-life problem-based learning, with students engaging with practical tasks during the practical sessions and demonstrate their understanding, thoughts and reflection via written reports and presentation. The module is supported by a combination of lectures (face-to-face and online learning) and tutorials. There is regular review, feedback and critique sessions to assess progress and alignment to the learning outcomes in relation to the brief. Students will be assessed continuously to gauge acquisition of knowledge via formative online quizzes, writing and analytical skills through practical reports, communication skills through oral presentation (group-based) to reflect current challenges in today's life sciences world.</p> |
| Fundamental of Chemistry | <p>Chemistry is an indispensable knowledge of sciences. This module emphasizes three main parts namely physical chemistry, inorganic and organic chemistry. The module content will focus on the fundamental concepts in bonding and quantitative aspects of chemistry, periodic trends, coordination chemistry and organic functional groups.</p> <p>Module content will be delivered in lecture-style settings and concepts will be extended in detailed problem-solving exercises. Tutorials will be a mixture mode of face to face and online discussion between instructor with students and among peers to strengthen the knowledge and solve chemistry related questions. Students will work with each other in implementing the experimental schemes and they will be equipped with relevant experimental and result analysis skills. The students will also work on an group assignment to extend their knowledge in chemistry in related biosciences area.</p> |
| Introduction to Microbiology | <p>This module is designed to provide an introduction to basic microbiology, which includes the diversity of prokaryote and eukaryote microorganisms, the evolutionary relationship of microorganisms, the structural and physiological characteristics of microorganisms, the relationship between microorganisms with the environment and human, and the roles of microorganisms in food, pharmaceutical and environmental management industries. General microbiology laboratory skills are included. These fundamental knowledge are the important as introductory topics required for more specific area of microbiology such as bacteriology, virology, mycology, microbial physiology and applied microbiology.</p> <p>The learning and teaching approach for the module will be lecture, practical and online practice question. In practical classes, students will be going through guided experiments and analyzing data obtained during the practical sessions. The module is supported by a combination of online videos and supplementary reading materials</p> |
| Introduction to Food Science and Nutrition | <p>This module is a prelude to more detailed studies, understanding and application of the core elements that comprise the basic or foundational</p> |

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| | <p>requirements of a formal food science & nutrition degree program. It traces the evolution of food science as a serious scientific discipline, introduces the core content areas (food chemistry & analysis, food safety & microbiology, food processing & preservation, etc.), discusses current national and international issues of concern related to food and nutrition, and looks at the myriad of career opportunities open to food science & nutrition graduates. This module includes field trips to a local farm and food service/manufacturing establishments, as well as practical demonstrations to reinforce theory.</p> |
| Principles of Biochemistry | <p>Principles of biochemistry primarily focused in the biochemistry of humans. It is known that the basic principles of biochemistry are common to all living organisms. This module provides an introduction to biomolecules in living systems. Students are introduced to the basics of bioenergetics before progressing to studying energy metabolism pathways and their regulation. The individual pathways will then be integrated together to give students a holistic view of energy metabolism. This module also introduces the basic theoretical knowledge of molecular genetics.</p> <p>The learning and teaching approach for the module is supported by a combination of online lectures and tutorials, with students engaging with practical tasks during the laboratory sessions. The module is supported by a combination of online lectures and supplementary reading materials.</p> <p>Students will be assessed continuously to gauge acquisition of knowledge via formative online quizzes, writing and analytical skills through practical reports, teamwork dynamics via group discussion, self reflection towards learning demands and challenges in the module through reflective journal and a final written assessment to assess ability for integrating knowledge in biochemistry.</p> |
| Food Chemistry | <p>This module introduces the chemical structures of major bio-molecules such as water, carbohydrates, fats, proteins, and other minor components including vitamins, minerals, colours, flavours and additives in food systems. The reactions of these components that govern the functional properties of foods and affect the shelf life, nutritional content and quality attributes of food are also covered. The teaching and learning activities are designed based on blended learning approach, which cover face-to-face and online lectures and tutorials. This module provides hands on laboratory experience in determination and evaluation of food chemical/ biochemical properties. Besides, it provides student-centered learning experience through group discussions and projects related to real world problems associated with the food industry. Assessments include written examinations, practical skills, assignment, and practical reports.</p> |
| Food Physics | <p>Food Physics is an introductory but wide-ranging module that deals with (1) physical principles that are relevant to the processing and preservation of foods and (2) the physical properties of food materials and their measurement. It draws attention to the importance of these properties to food quality, the changes that can occur during processing and storage, and manipulation of such properties which is integral to good product design. Teaching and learning will be carried out through a mixture of F2F and online lectures, tutorial and practicum. Students will be assess to apply and solve problem related to physical properties of food with excellent flexibility to achieve good food quality, process and analysis by using relevant information/ logical reasoning and managing challenges related to food</p> |

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| | physics. The assessments include group assignment, laboratory skill test, final examination and self reflection. |
| Food Microbiology | This module provides the overview of the principles of food microbiology in regards to the roles of microorganisms in food that may involve in food spoilage and food-borne diseases; identifying the potential microbial hazard; control methods of microbial hazard associated with food; fermentation processes involving microorganism in food production; laboratory skills in microbial quality control inclusive of aseptic food sampling, microbial testing and analysis; cleaning and sanitization of food, food processing equipments and food production rooms; the risk assessment and managing in food industry. Teaching and learning will be carried out based on student-centred learning approach through a mixture of F2F and online lectures, tutorial and practicum. |
| Food Preservation | This module introduces various preservation technologies used in the preservation of fresh, minimally processed, and processed foods in terms of their principles, mode of action, materials and equipment employed. In addition to the study of preserving foods through the application of heat, chilling and freezing, modification of water activity, use of chemicals, and fermentation, non-thermal physical techniques (high pressure processing, irradiation, and ultrasound) and the role of packaging in relation to food preservation are also covered. The teaching and learning activities are designed based on blended learning approach, which cover face-to-face and online lectures and tutorials. This module provides hands on laboratory experience in evaluation of effects of different food preservation techniques to the quality, nutritional value and shelf life of foods. Besides, it provides student-centered learning experience through group discussions and projects related to real world problems associated with the food industry. Assessments include written examinations, practical skills, assignment, and practical reports. |
| Food Processing | This module provide an introductory knowledge on the science of foods including a comprehensive understanding of food composition and properties, processing and analysis of foods, food evaluation, food safety and quality assurance. With hands-on practical, this module provides an opportunity for students to develop their basic laboratory skills and understand the strengths and limitations of proximate analyses, thereby enabling students to justify the choice of analytical techniques that are most suitable for certain food materials. This module is to allow students to learn various unit operations used in food processing and preservation, biochemistry of food processing, food processes, process control, sanitation and water and waste management. The knowledge the students gain from this module will equip them for their future career in food industry. |
| Food and Nutrients Evaluation | The module provides an introductory knowledge on the science of foods including a comprehensive understanding of food composition and properties, processing and analysis of foods, food evaluation, food safety and quality assurance. With hands-on practical activities, this module provides an opportunity for students to develop their basic laboratory skills and understand the strengths and limitations of proximate analyses, thereby enabling students to justify the choice of analytical techniques that are most suitable for certain food materials. This module is supported by a mixture of face-to-face and online lectures, tutorial and practicum, covering theories that includes the identification of appropriate method for analysis of food and nutrients composition in the food industry (final examination); perform the lab experiment analysis |

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| | (individual laboratory skill test); critically analyse the experimental data (online forum); and present the data effectively through written report. |
| Techniques in Food/ Nutrition Research | The module is designed to enable student to understand the principles of instrumental analysis, which also allows student to better understand the potential application of instrumental analysis for food analysis. Blended learning will be utilized as the mode of delivery for this module. The information and knowledge will be managed and transferred using both traditional and digital methods through approaches such as lecture, discussion, demonstration (practical session), case studies, games, virtual lab and projects. Student feedback and response from these learning activities will serve as a formative assessment to monitor student learning. The assessment methods include written, assignment, reflection and practicum, which will determine students' content knowledge and transferable skills such as social competencies & lifelong learning. At the end of the module, students should be able to understand the principle of instrumental analysis and able to apply such principle in food analysis. |
| Food Product Development | This unit involves students working in a team of two to four students in the development of food product using various available resources. Emphasis of this unit is to apply basic knowledge gained in other modules such as food chemistry, food microbiology, food processing and preservation, food standards and regulations and food quality and safety management, in a simulated food industry research and development setting. Preliminary product description, prototype development, product testing and product commercialization and launching will be discussed in addition to issues related to product development such as product quality and safety as well as intellectual properties. |

BACHELOR IN BIOTECHNOLOGY (HONS)

| No | Module Code | Module Title | Credit Hours | Prerequisites |
|----|-------------|---|--------------|---------------|
| 1 | BIO62104 | Bioprocess Technology | 4 | |
| 2 | BIO62204 | Introduction to Biotechnology | 4 | |
| 3 | MIC60104 | Introduction to Microbiology | 4 | |
| 4 | BIO60304 | Biodiversity and Conservation | 4 | |
| 5 | BIO61204 | Principles of Genetics | 4 | |
| 6 | BIO61304 | Techniques and instrumentation in Biotechnology | 4 | |
| 7 | BIO61504 | Animal Biotechnology | 4 | |
| 8 | BIO61404 | Crop Biotechnology | 4 | |
| 9 | BIO61604 | Applications of Bioinformatics | 4 | |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
|-------------------------------|---|
| Bioprocess Technology | This unit introduces some fundamental aspects of biological processing with engineering principles, focusing on fermentation technology which involves kinetics and modeling of fermentation processes, as well as instrumentation, design, and control of bioreactor. This unit also covers microbial fermentation with emphasis on microbial biomass, enzymes and metabolites, food, environmental and industrial engineering applications. The final focus is on the purification of products leaving the reactor using different product recovery sections such as recovery of particulates, product isolation, precipitation, and combined operation. |
| Introduction to Biotechnology | Introduction to Biotechnology is a module that aims to produce graduates with good knowledge and understanding of basic theories and principles of modern biotechnology. This MODULE covers fundamental topics such as recombinant DNA technology, vectors, selection, and transformation and development of recombinant molecules. Topics are taught from both theoretical aspects as well as experimental. Besides the fundamental knowledge, applications of biotechnology in various fields are also discussed using clear examples especially in domains such as microbial, plant, animal, medical, and nanobiotechnology. Current issues in law and biosafety regulations regarding modern biotechnology, and bioethics are incorporated to enable ethical decisions. |
| Introduction to Microbiology | This module is designed to introduce basic microbiology, which includes the diversity of prokaryote and eukaryote microorganisms, the evolutionary relationship of microorganisms, the structural and physiological characteristics of microorganisms, the relationship between microorganisms with the environment and human, and the roles of microorganisms in food, pharmaceutical and environmental management industries. General microbiology laboratory skills are included. These fundamental knowledge are the important as introductory topics required for more specific area of microbiology such as bacteriology, virology, mycology, microbial physiology and applied microbiology. |

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| Biodiversity and Conservation | This module is to introduce basic understanding of the inter-relationship between the living processes of humans, animals, plants and organisms with the habitats that they live in. It also provides students with an overview in the areas related to biodiversity conservation. The module discusses the various strategies of conservation and sustainability of our environment. The students will be equipped with sound understanding of biological diversity and the related processes, where the knowledge can be extended into various fields, including biotechnology, human biology and the environment. |
| Principles of Genetics | The module introduces the fundamental knowledge of genetics and its applications in Biotechnology. Beginning with an overall introduction to the science of genetics, followed by transmission genetics (Mendelian inheritance), extensions to Mendelian inheritance, chromosomes heredity, genetic linkage and mapping in bacteria and eukaryotes, as well as core concepts of quantitative-, population- and developmental genetics. Two clear module objectives are outlined which include (i) attaining an understanding of fundamental knowledge of genetics, establishing a strong foundation in the principles of transmission genetics, molecular genetics, quantitative and population genetics and their applications; and (ii) developing keen problem solving skills and apply knowledge gained in other related fields in biotechnology through mastering the principles of genetics and exposure to genetic experiments and problems. |
| Techniques and instrumentation in Biotechnology | This is an important module that introduces the techniques and instrumentations used commonly, in the field of biotechnology. This module allows students to gain theories and practical, hands-on knowledge of the operation, maintenance and calibration of instruments specialized in biotechnological laboratory. Technical procedures and instrumentation include basic laboratory techniques, molecular techniques, proteomics, metabolic analysis, whole cell analysis, nanobiotechnology and chemical analysis. |
| Animal Biotechnology | This module introduces the basic concepts, tools and techniques as well as applications of animal biotechnology. Topics covered include the use of in vitro and in vivo animal models of diseases, animal tissue culture, tissue engineering, reproductive technologies, transgenic animals, conservation efforts as well as ethical and safety considerations in the field. Current issues in laws and biosafety regulations regarding animal biotechnology will also be discussed. |
| Crop Biotechnology | Crop biotechnology is a multidisciplinary module that introduces the underpinning terms, concepts and knowledge of a rapidly progressing and expanding biotechnology-based agriculture industry. This module brings together the fundamental concepts, knowledge and techniques such as breeding, selection, hybridization, farming practices, mutagenesis, DNA extraction, recombinant and gene editing with emphasis on special focus areas (current and future) of the agriculture sector such as knowledge and understanding of molecular marker based selections and development of transgenic plants. These selection and improvement of crop enables students to venture into research or be affiliated with bodies that cater to global issues on food shortage and rising demand for crop. Other important related topics such as bioethics, biosafety regulation and social perceptions of crop biotechnology especially in the area of agriculture and monitoring bodies are also covered in this module. Knowledge of concepts, techniques and social issues in crop biotechnology and its significance in agriculture-based biotechnology industries are essential in paving the way towards agricultural biotechnology- or research-related careers in future. |

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| Applications of Bioinformatics | <p>The module introduces the underpinning knowledge of Applied Bioinformatics and its main applications in Biotechnology and Biomedical Sciences. The fields of “omics” which include genomics, transcriptomics, proteomics, and metabolomics all rely on bioinformatics for computing tools to analyse and “make sense” of the tremendous amount of biological data. Beginning with an overall introduction to the science of Bioinformatics, followed by various analyses methods of DNA sequences; genome sequencing and analysis; genome-wide analysis of RNA sequences transmission genetics; protein analysis and proteomics; and finishing with the analysis of biological networks. Two clear module objectives are outlined which include (i) attaining an understanding of applied concepts of Bioinformatics, establishing a strong foundation in the principles of biological data analyses and (ii) developing keen problem solving skills and apply knowledge gained in other related fields in Biotechnology and Biomedical Sciences through mastering the applications of Bioinformatics in relevant fields such as genomics, transcriptomics, proteomics and biological networks through exposure to practicals and assignments.</p> |
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FACULTY OF SOCIAL SCIENCES & LEISURE MANAGEMENT
SCHOOL OF MEDIA AND COMMUNICATION
BACHELOR OF MASS COMMUNICATION (HONS)

COMMON CORE

| No | Module Code | Module Title | Credit Hours |
|-----------|--------------------|-----------------------------|---------------------|
| 1 | COM62704 | Intro to Mass Communication | 4 |
| 2 | COM62404 | Intercultural Communication | 4 |
| 3 | COM62004 | Media Writing | 4 |
| 4 | COM62604 | Innovative Media | 4 |
| 5 | COM62204 | Visual Communication | 4 |
| 6 | COM62104 | Communication Theory | 4 |
| 7 | COM62804 | Interactive Media | 4 |

Choose ONE (1) Specialization

SPECIALIZATION

PUBLIC RELATIONS

| No | Module Code | Module Title | Credit Hours |
|-----------|--------------------|--------------------------------|---------------------|
| 1 | PRL61204 | Public Relations Principles | 4 |
| 2 | PRL61404 | Promotional Writing | 4 |
| 3 | PRL61304 | Publicity and Media Relations | 4 |
| 4 | PRL61104 | Crisis Management | 4 |
| 5 | COM62304 | Organisational Communication | 4 |
| 6 | PRL61004 | International Public Relations | 4 |

ADVERTISING AND BRAND MANAGEMENT

| No | Module Code | Module Title | Credit Hours |
|-----------|--------------------|--------------------------------------|---------------------|
| 1 | ADV61504 | Advertising Fundamentals | 4 |
| 2 | ADV61704 | Strategic Copywriting | 4 |
| 3 | ADV61804 | Creative Design for Advertising | 4 |
| 4 | ADV61604 | Corporate Identity & Branding Design | 4 |
| 5 | ADV61404 | Brand Management | 4 |

DIGITAL MEDIA PRODUCTION

| No | Module Code | Module Title | Credit Hours |
|----|-------------|-----------------------------------|--------------|
| 1 | BCA61704 | Trends in New Media | 4 |
| 2 | BCA61504 | Narrative Writing | 4 |
| 3 | BCA61404 | Audience Studies | 4 |
| 4 | BCA61804 | Digital Moving Image | 4 |
| 5 | BCA61604 | Digital Animation and Compositing | 4 |

JOURNALISM AND MEDIA PRACTICE

| No | Module Code | Module Title | Credit Hours |
|----|-------------|---------------------------|--------------|
| 1 | JRN61704 | Journalism Fundamentals | 4 |
| 2 | JRN61804 | Newsgathering and Writing | 4 |
| 3 | JRN61504 | Narrative Journalism | 4 |
| 4 | JRN61304 | Activism and the Media | 4 |

MODULE SYNOPSIS

COMMON CORE

| Module Title | Module Synopsis |
|-----------------------------|---|
| Intro to Mass Communication | 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. |
| Intercultural Communication | This course outlines the personal and theoretical understanding of the cultural origins 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 | 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, an understanding of the nuances, and an appreciation for 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. |
| Innovative Media | 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. |
| Visual Communication | This course outlines the basic understanding of visual literacy and communication within the current media industries through the |

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| | 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. |
| Communication Theory | 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. |
| Interactive Media | 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. |

PUBLIC RELATIONS

| Module Title | Module Synopsis |
|--------------------------------|--|
| Public Relations Principles | 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 organisation 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. |
| Promotional Writing | 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. |
| Publicity and Media Relations | 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. |
| Crisis Management | 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. |
| Organisational Communication | This subject develops exceptional communication skills and understanding of the different communication theories, ethics, and practices needed in an organisation. The understanding of the communicative processes will assist an individual in his/her success in contributing positively in an organisation by empowering his/herself. Communication performs a key role in understanding ourselves as part of an interconnected network of knowledge and skills in the working world. |
| International Public Relations | This module outlines the practice of Public Relations in an international context. It also introduces students to the nature of cross-cultural communication. Students are exposed to various public relations campaigns to explore the differences and similarities of campaigns from various countries. Issues of ethics as well as language (verbal and non-verbal) and global consultancy are covered in this module. The teaching and learning of this module are towards student-centred learning approach with the combination of lectures (online and face-to-face), research and field study as the mode of delivery. |

ADVERTISING AND BRAND MANAGEMENT

| Module Title | Module Synopsis |
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| Advertising Fundamentals | <p>This module aims to provide students with the basic understanding of the history, development, scope, structure and nature of the advertising industry as well as media trends and the process of creating an advertising campaign. Students will be exposed to the basic principles of integrated marketing communications, and its effects on and issues related to media industries. The teaching and learning approach for this module is a combination of guided learning and project-based learning. There will be in-class lectures, supported by additional online material and online tutorials. The tutorials are structured for students to be able to self-assess their knowledge of the topics covered in the classes. Students will be assessed primarily through the coursework – two individual and one group work – which makes up 60% of the final grade, and through a final exam, which constitutes the final 40%. The central group project assessment (project-based learning) is aimed at giving students an introduction to the development of a simple advertising campaign, from strategy to media plan to basic design executions. This will help in preparing the students for future advertising modules which delve deeper into the creative side of the process.</p> |
| Strategic Copywriting | <p>This module is designed as a skill-based course focusing on the ideational aspects of advertising, specifically copywriting. The emphasis will be on strategy which involves research for information on product and consumer and the conveyance of the information through suitable forms of writing in the creation of persuasive ad copies for various media. The teaching and learning approach will be project-based, with lectures and guided tutorials exercises and instructions to assist students in accomplishing their assigned tasks. Students will learn to apply concepts to solve problems critically by collaborating in groups and working independently. There are regular review, feedback and critique sessions to gauge the progress of learning and the alignment of their learning to the learning outcomes stated in the brief leading to a final submission piece. The module is supported with a combination of lectures, tutorials and industry guest talk sessions when available and blended learning activities through online exercises to encourage self-directed learning. Online feedback would be provided to guide the students. Students will be assessed primarily based on assignments which provide them opportunities to explore strategic copy writing for a product or brand for print and online platforms.</p> |
| Creative Design for Advertising | <p>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.</p> |
| Corporate Identity & Branding Design | <p>This module outlines the nature of modern branding through its history and case studies of successful brands. It focuses on the development of visual identity design for brands, primarily that of logo and packaging design. The teaching and learning approach will be studio-based, with lectures and tutorial or practical exercises designed around introducing, discussing, and implementing design concepts for branding. Regular critique sessions or progress checks with the lecturer will facilitate student learning as well as help to assess their progress through the semester. By looking at case studies and contemporary examples, students will be able to learn how branding has changed over time. Students will be assessed primarily through the assignments, where they</p> |

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| | will apply basic design concepts and knowledge of logo design trends to develop a visual identity for a brand, with emphasis on creating a unique logo design, and a distinctive and cohesive look across various brand collaterals (e.g. business cards, letterheads, social media account icons, product packaging, etc.). |
| Brand Management | Brand management looks at the process involved in creating a unique name and image for a product in the consumers' mind, mainly through advertising campaigns with a consistent theme. This course outlines the theory and practice of brand management. It delves into the theories, concepts, issues, principles, processes of Branding by considering it from the perspective of Marketing, Management, and Communication. It provides a viewpoint of the organization taking into consideration its competitive environment and the forces that affects its branding exercise. Practical branding experience will be gained through individual and group-based assignments. In this module, students examine how a favourable brand and memorable brand experiences can influence a firm's ability to withstand competitive pressures and thrive in dynamic market conditions. Students will become acquainted with cutting-edge frameworks, concepts and tools that have been adopted across industries and around the globe to build lucrative brand franchises. Additionally, students will consider the role of integrated marketing communication vehicles and platforms in effective brand management. |

DIGITAL MEDIA PRODUCTION

| Module Title | Module Synopsis |
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| Trends in New Media | This module provides students with the basic understanding of the history, nature, development, current trends and future practice of digital media. It is designed to help students comprehend the digital culture at large and explore the meanings of technical innovations in media, economics, politics and social life. Digital platforms and devices are profoundly affecting the way groups, institutions, businesses, communities and governments communicate. While studying the emerging technologies of the present, we also look forward to possible future developments and explore how new media could transform the nature and ethics of communication. The learning and teaching approach for the module will primarily be lecture-based while tutorials are designed for students to engage with group discussions and group and/or individual activities, enabling them to deepen their understanding of the topics delivered during lectures. The module is supported by a combination of online lectures, guided learning, discussions and other classroom activities. Assessments are generally formative and creative-based which include digital portfolio, reflective journal, visual essay and a project presentation and report. |
| Narrative Writing | This course outlines writing narratives and technical aspects for programs for the big and small screen. It also examines ethical issues in the production world. The learning and teaching approach for the module will be discussion-based, with students engaging with vast ideas during the tutorial sessions and presenting their ideas and thoughts individually. Regular review, feedback and critique sessions leading to the final project/scripts to assess progress and alignment to the learning outcomes in relation to the brief. The module is supported by a |

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| | <p>combination of online lectures and tutorial sessions. In the preliminary assignment, the students are required to have ideas on 30 seconds advertisements (TVC), public service announcements (PSA) and short clips on heritage etc. This expands to more complex scripting work such non-fiction scripts (documentary) and fiction (different genre – love story, action-adventure, sci-fi etc).</p> |
| Audience Studies | <p>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.</p> |
| Digital Moving Image | <p>The module outlines the nature of the Audio-visual media (audio – sound design, audio editing and audio mixing: visual-television, film and video & new media), and the practical elements involved in producing programs. Students will learn to manage related issues as they emerge. The learning and teaching approach for the module will be MAC Lab and studio-based, with students engaging with practical tasks during the lab & studio sessions, and presenting their ideas and thoughts within the group. There is regular review, feedback and critique sessions leading to the final production review to assess progress and alignment to the learning outcomes in relation to the brief. The module is supported by a combination of online lectures and fieldwork sessions and student learning progress will be monitor by provide ongoing feedback under formative assessment. In the preliminary pre-production work, students engage with production planning and design of different audio visual production (i.e. camera work, audio recording, background music development, lighting, etc.) for a simple practical which explores the idea of audio-visual production and experiences. The major project involves the design of audio-visual production (e.g. audio, visual, experiential, digital journal) which engages with the production planning and design within their own pace and space. Students need to showcase their work on different exercises that aligned with the learning outcomes.</p> |
| Digital Animation and Compositing | <p>This module aims to introduce students to the history, theory and processes of traditional and digital animation, and digital visual effects. Students will be able to gain an understanding of the application of digital animation and visual effects to a broadcast medium. Students will be exposed to the study of traditional animation principles and techniques, and its application to modern digital broadcast environments. Students will be expected to design, plan and execute digital composite shots and animated visual effects. There will be regular work in progress checks, feedback and constructive critique with analytical approaches via online contact and face-to-face class time. The module is supported by a combination of lectures and practical tutorials. Assessment strategies are to evaluate students’ engagement through practical projects. A project brief will be given specifically targeted to allow the students to demonstrate their learning outcomes. Two preliminary assessments will test the students’ fundamentals of animation principles and digital animation techniques, while the final project is a two-part storyboarding exercise and CGI composite short film.</p> |

JOURNALISM AND MEDIA PRACTICE

| Module Title | Module Synopsis |
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| Journalism Fundamentals | <p>Students learn the foundations of journalism, significant contributions in history, essence of modern journalism, developments of past and present journalism in Malaysia through this module. Students are exposed to newsroom traditions, shifts and contemporary practices in global perspective from news gathering and reporting, investigations and experiences. The teaching and learning approach will be assignment-based, with lectures and guided tutorials exercises and instructions to assist students in accomplishing their assigned tasks. Students will learn to connect the concepts learned with the current standard practices in the field of journalism. Students will accomplish their assignments by collaborating in groups and working independently. There are regular face to face and online feedback sessions to gauge the progress of learning and the alignment of their learning to the learning outcomes stated in the brief leading to a final submission piece. The module is supported with a combination of lectures, tutorials and industry guest talk sessions when available and blended learning activities through online exercises to encourage self-directed learning. Online feedback would be provided to guide the students. Students will be assessed primarily based on assignments which provide them opportunities to explore the developments of the journalism field in both traditional and new media platforms.</p> |
| Newsgathering and Writing | <p>This course is aimed at acquainting students with the principles of news writing and putting them into practice. The course teaches students how to write a news story, attribute it to the news sources and learn how to conduct interviews and gather information. Students will also be exposed to various styles of hard news writing in Malaysia. The teaching and learning approach will be assignment-based, with lectures and guided tutorials exercises and instructions to assist students in accomplishing their assigned tasks. Students will learn to put into practice newsgathering techniques and various forms of news writing as part of their assignments. Students will accomplish their assignments by collaborating in groups and working independently. There are regular face to face and online feedback sessions to gauge the progress of learning and the alignment of their learning to the learning outcomes stated in the brief leading to a final submission piece.</p> |
| Narrative Journalism | <p>This course helps students to develop their narrative and feature writing skills and build their confidence in written communication and storytelling. It draws upon the discipline of writing for publication and links it with the rigours of feature writing conventions and creativity. The course components will enable the students to be informative, entertaining, and persuasive whilst observing media conventions of accuracy, brevity, and clarity. The teaching and learning approach will be assignment-based, with lectures and guided tutorials exercises and instructions to assist students in accomplishing their assigned tasks. Students will learn to put into practice various forms and styles of narrative writing for feature story pieces throughout the course. Students will accomplish their assignments by collaborating in groups and working independently. There are regular face to face and online feedback sessions to gauge the progress of learning and the alignment of their learning to the learning outcomes stated in the brief leading to a final submission piece.</p> |

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| Activism and the Media | <p>This module aims to introduce students to the role that media practitioners such as journalists, public relations practitioners, social media influencers and ad campaigners in using the media to affect political, social, economical and cultural transformation in a local, regional and international context. The focus of this module will be to study and analyse the impact of various creative uses of media and communication tools by various groups, opinion leaders and interests to influence policy, shift mindsets and champion society causes. Students will get to study current theoretical debates around the use of media in activism and campaigning, through seminar debates of lectures and readings, role plays, group work, devising their own campaigns and by examining a campaign case study of their choosing.</p> |
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SCHOOL OF HOSPITALITY, TOURISM & EVENTS

BACHELOR OF INTERNATIONAL HOSPITALITY MANAGEMENT (HONS)

| No | Module Code | Module Title | Credit Hours |
|----|-------------|--|--------------|
| 1 | HOS61304 | Hotel Revenue Management | 4 |
| 2 | HOS61404 | Hospitality Business Modeling and Simulation | 4 |
| 3 | HOS61504 | Hotel Innovation Management | 4 |
| 4 | HOS61204 | Hospitality Management and Leadership | 4 |
| 5 | HOS60704 | Beverage Management | 4 |
| 6 | HOS61604 | Luxury Brand Management | 4 |
| 7 | MPU3143 | Bahasa Melayu Komunikasi 2(Malay Language) | 3 |
| | HOS62204 | Service Quality Management in Hospitality | |
| 8 | HOS60504 | Hospitality Project Management | 4 |
| 9 | HOS60904 | Convention & Banquet Sales | 4 |
| 10 | EVT61104 | Event Sponsorship and Funding | 4 |
| 11 | EVT61704 | Sustainable Event Management | 4 |
| 12 | EVT60404 | Events Project Management | 4 |
| 13 | EVT60904 | Event and Tourism Risk Management | 4 |
| 14 | EVT60604 | Events and Entertainment | 4 |
| 15 | EVT60704 | Conventions and Meetings Management | 4 |
| 16 | TOU61304 | Holistic Approach to Health and Wellness | 4 |
| 17 | TOU61704 | Destination Geography and Analysis | 4 |
| 18 | TOU61804 | Tourism Economics | 4 |
| 19 | TOU60304 | Data and Media Analysis for Tourism | 4 |
| 20 | TOU60904 | Sociology of Tourism | 4 |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
|--|--|
| Hotel Revenue Management | The discipline of revenue management combines data and operations research with strategy and understanding of today's customer. The study of revenue management must be analytical and detail orientated, yet capable of thinking strategically and managing the relationship with sales. This subject deals with the learning and understanding of the principles and elements of revenue management. Students will be exposed to the implementation of revenue management strategies. It also covers the area of performance analysis to allow students to assess the situation and to develop a suitable approach to better maximize an organisation's revenue. |
| Hospitality Business Modeling and Simulation | This subject comprises of a short term project, team management, and synthesis of the knowledge gained throughout the program. |
| Hotel Innovation Management | This course will provide an introduction to the key issues involved in the design of hotel premises and facilities, illustrated with examples drawn |

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| | from the industry itself. It presents the basics of hotel layout, equipment/systems, project planning and design. |
| Hospitality Management and Leadership | This module covers the pertinent management functions of planning, organizing and controlling as well as human relations functions that are essential in hospitality management and these are: communication and decision making, conflict management, leadership and motivation. In introducing the module, the syllabus provides an overview of management in the hospitality industry specifically, its characteristics, career opportunities and important influencing trends. In addition, the role of service as well as critical and contemporary issues/challenges faced in managing and leading hospitality organizations are also examined. |
| Beverage Management | This class focuses on the basic understanding of alcoholic and non-alcoholic beverages which is found in the commercial world. Students will learn on classification, processes and identification of these beverages. Understanding the evolution of drinks and the commercialization of the beverage is studied. |
| Luxury Brand Management | <p>The module will equip students of the programme with management, marketing and professional skills to work in the luxury goods and experiential luxury sectors. The module would comprise of factors that impact luxury brand management in tourism and hospitality management related businesses by providing an in-depth understanding of the debates on luxury in an historical and cross-cultural context, and offers a strong academic underpinning on theories of luxury and consumption.</p> <p>The module would develop critical thinking and problem solving skills by understanding the theoretical approaches of luxury brands and to critically debate on luxury brands. It covers the fundamental knowledge and skills that can be directly applied in the practical work context.</p> |
| Bahasa Melayu Komunikasi 2 (Malay Language) | This module is designed for students to communicate in basic Bahasa Melayu that covers their daily life as international students in Malaysia. When students have the ability to master and communicate in Bahasa Melayu, this will ease their daily communication with local people in any kind of situations. Students are also able to interact, read and understand Bahasa Melayu with ease. In addition to that, students are also able to write a short essay using simple sentences related to their daily life. |
| Service Quality Management in Hospitality | The module will emphasize on the different concepts and dimensions of service quality management. The module would comprise of the factors that impact service quality in tourism and hospitality-related businesses, the role of service providers, and the method of measuring service quality. The module accentuates the service delivery system of the hospitality industry, which references a particular focus on service quality and other catering on different concepts and dimensions of service quality management. The module is expected to provide a detail understanding of service quality management in the hospitality and tourism industry, which is essential as this serves as a fundamental for quality service environment in the hospitality and tourism industry. The application of service quality in the operational activity will provide clear evidence of guest satisfaction, thus provide the industry with a competitive advantage. The learning and teaching approach for the module will be in flipped classroom-based alongside problem-based learning based; thus, presenting their ideas and thoughts within the group are incorporated. This module is supported by blended-learning and collaborative learning in order to achieve desired goals. The TIMES online platform will be used for providing tutorial notes and lecture slides. |

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| | <p>Besides, assignments are developed to provide a combination of field-based learning and project-based learning, supporting student's problem-solving skills and elevate thinking capacity. The service quality assessment includes understanding, developing, and executing empirical investigation using the service quality assessment scale. The hotel visitation group project involves hospitality establishment visitation and evaluating service delivery capacity and capability from mystery shopper's aspect of such.</p> |
| <p>Hospitality Project Management</p> | <p>The Hospitality Project Management of School Hospitality, Tourism and Events degree program allows students the opportunity to study the management of small businesses, start-ups and intrapreneurship. Through the course of study, students are prepared to start their own business as well as work for small businesses and start-up companies. Students also learn about intrapreneurship and how to lead change within organizations.</p> <p>Entrepreneurship is not solely about business skills or starting new ventures; it is a way of thinking and behaving relevant to all parts of society and the economy. Entrepreneurship education is a process which develops individuals' mindsets, behaviours, skills and capabilities and can be applied to create value in a range of contexts and environments from the public sector, charities, universities and social enterprises to corporate organisations and new venture start-ups. Entrepreneurial and enterprising graduates should be equipped to fulfil their potential and to create their own future.</p> <p>In this module, students are expected to:</p> <ul style="list-style-type: none"> • Apply the major concepts, skills and values of business administration. • Communicate effectively to diverse audiences, purposes and situations through a variety of professional methods within business administration. • Use decision-support tools to resolve contemporary business issues using ethical business practices. • Identify the types of capital funding sources for start-up and existing businesses. • Develop a viable business plan. • Execute their business plan and review business operation. <p>This module approach is supported by a combination of proportion of face-to-face and practical sessions enable students to learn from each other and students will work with business on a real life development project. This allows them to learn 'in' entrepreneurship and creating knowledge and as well as 'about' entrepreneurship. Student projects focus on:</p> <ol style="list-style-type: none"> 1. Life-images of entrepreneurship – students visit the business and write the business concept; students write a report reflecting upon their learning from these 'live cases'. <p>An entrepreneurial project – students can choose from: engaging in an entrepreneurial venture, developing their own business plan, or investigating a topic from an entrepreneurial perspective.</p> |
| <p>Convention & Banquet Sales</p> | <p>This module gives an insight into the Sales Catering and Convention services from a sales perspective in the Hospitality Industry. The aim is to enable students to understand and apply the concepts of sales & catering management principles and industry practices in the classroom practical environment. The learning and teaching approach for the</p> |

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| | <p>module will be students engaging in practical role play during the class sessions. There will be opportunity for students to learn the Delphi Sales and Catering System – the world's leading sales and catering system. The technology-based skills acquired by students will give them the competitive advantage. This module is also supported by group assignment & presentation on hotel sales proposal in bidding for an event. There will be comments and reviews given in class for the practical tasks. The module is carried out by a combination of lectures, role play and in TIMES. There are various assessment approaches ranging from assessing the sales negotiation skills and knowledge among students to exploring the use of Delphi system.</p> |
| <p>Event Sponsorship and Funding</p> | <p>The module introduces students to the various elements of sponsorship and fundraising related to the event industry. The module covers the importance of sponsorship as well as how sponsors can benefit from sponsorship. In addition, the module looks into the steps in preparing a sponsorship package and ways in developing a fundraising plan. The teaching and learning approach for this module focuses on student centered learning approach together with project based learning, where students will have to search for necessary information for the project and assignments.</p> <p>Throughout the semester, there will be a mixture of face to face and online guided learning through online lectures and tutorial. The assessment approach will be based on formative as well as summative approaches. Students will have to prepare a sponsorship proposal and fundraising plan where formative feedback will be provided during tutorial sessions and online consultations. In addition, there will be opportunity to approach potential sponsors for an assigned event.</p> |
| <p>Sustainable Event Management</p> | <p>Sustainability has emerged as an important events management concept, and successful events managers must be equipped with knowledge and understanding of various components related to sustainable event management. This module introduces global environmental issues and sustainability management in the events industry. It includes various components and elements related to sustainable events management, which would enable students to develop and manage environmentally sustainable events successfully.</p> <p>The learning and teaching approach for the module will encapsulate Authentic Learning when students examine and review environmentally sustainable components at various stages of an event. Additionally, students will undergo Problem-based Learning by developing a compelling proposal that recommend systems and best practices for implementation at sustainable events. The module is also supported by a combination of face-to-face and Blended Learning/e-Learning sessions, with materials accessible through TIMES.</p> <p>The module has a combination of two assignments and one group project. The assignments require students to recognise environmentally sustainable components for events, and then review these components at various stages of an event. The main project requires students to recommend and justify the implementation of environmentally sustainable components for an event of their design. Students will be guided through regular feedback and discussions as well as critiqued through peer and tutor formative assessment.</p> |

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| <p>Events Project Management</p> | <p>This module will equip students with the skills and tools in event planning. It will focus on the development of an event proposal that covers the elements of planning, management, finance, operation, marketing, and sponsorship. In order to prepare the event proposal, students are required to negotiate with potential stakeholders, conduct a site inspection and some research based on the proposed event. Students will be advised to take into consideration the recommendation and opinion given by potential stakeholders. By doing so, students will be required to conduct a feasibility study, which is an analysis of the viability of an event idea. This analysis will help the students to answer essential questions related to their proposed event.</p> <p>Another part of this module will cover the communication skills that will be developed during a bidding session pertaining to the proposed event idea. The teaching and learning approach that will be used for this module mostly cover guided learning and project-based learning. Apart from that, students will be given an exercise pertaining to the real issue that has happened in the industry. This initiative will help students to have greater skills of analysis and synthesis that is applicable in the event industry.</p> |
| <p>Event and Tourism Risk Management</p> | <p>This module exposes the students to identify event risk factors inherent to any event and the strategies to manage those risks. It aims to equip students with theoretical insights of managing risk in event and tourism management. It incorporates holistic view of risk management that includes risk identification, assessment, control, prevention and solutions. This module requires students to complete both individual and group formative and summative assessments that are evaluated through the course of fourteen weeks. Pedagogy approach may include the focus on problem-based learning, action learning, and collaborative learning. Online quiz on TIMES will be conducted throughout the semester. A fair division of face-to-face sessions and e-learning discussions relating to the module assessments are prepared. At the end of the semester, it is anticipated that the students will be able to comprehend the essentials of event risk management and ultimately deliver a comprehensive plan to minimise, if not eliminate risk potentials. The module will adopt a personalized and collaborative learning and teaching approach where there will be a mixture of guided learning and project-based learning. Assessment tasks are designed to develop students' capability in comprehending risk management in the context of event and tourism. The tasks evaluate students' knowledge level in communication skills, entrepreneurship and critical thinking. This is delivered in presentation and analyses of case studies in tutorial sessions.</p> |
| <p>Events and Entertainment</p> | <p>The module introduces students to the events and entertainment industries, which covers a general aspect on the development of the events industry and the types of events available within the industry. The module will also look into the structure of the events industry and the relationship between events management and education as well as the various theories involved in events management. Another part of the module will emphasize on the significance on entertainment for events, entertainment management and music licensing. The module will adopt a personalized and collaborative learning and teaching approach where there will be a mixture of guided learning and project-based learning. Students will be guided through online lectures, face-to-face lectures and tutorials together with a series of online activities that helps to prepare</p> |

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| | <p>students for the final written assessment. Students are required to conduct online information search to prepare for the face-to-face tutorial sessions and for preparation of assignments and project. The module has a combination of two group assignments and one group project. The assignments require students to evaluate the impacts of an event and to visit an event to assess the entertainment genre of the event. The main project requires students to present the structure of the event industry, event life cycle and uniqueness of events in an oral and written communication format.</p> |
| <p>Conventions and Meetings Management</p> | <p>This module emphasises on design and planning of meetings and conventions. Students are introduced to industry developments, key players and their roles, as well as essential components for them to plan and bid for meetings or conventions projects. The teaching and learning approach for the module will incorporate case-based learning, where students will visit a convention to identify issues and propose solutions. Group work will engage students in collaborative learning. Students will also undergo self-directed learning and authentic learning to create a successful proposal and bid by showcasing their entrepreneurial skills. Blended or e-learning lesson delivered through online quiz and games, will offer fundamental and theoretical information on major components in planning conventions or meetings. Online games and quizzes will generate frequent feedback, while face-to-face reviews will be given progressively through presentations and interactive (critique/debate) sessions aligned to learning outcomes. The group assignment will synthesize knowledge and creativity to produce a proposal of professional competence. The proposal shall be presented to an audience of peers or industry experts for critique and feedback as formative assessment.</p> |
| <p>Holistic Approach to Health and Wellness</p> | <p>This module designed to educate and train university students using holistic theories and practicals to understand and reflect upon their general health and wellness. The module uses traditional holistic teachings (e.g., Ayurveda and yoga) to introduce techniques for students to improve and reflect upon their day-to day physical and mental wellness. This module, through the theoretical coupled with practical lessons, gives a foundation for students to use themselves as well as promote health and wellness amongst their peers.</p> <p>The module is an elective, comprises of 12 lectures with practicals introducing the concept of a holistic approach to health and wellness where the students are taught the theories and methods for maintaining a healthy lifestyle as well as reducing and minimising the effects of stress. Students are taught Ayurvedic concepts around the body constitution and impact of diet, and exercise. In tandem with traditional practical methods (e.g., yoga) for working with the physical and mental attributes. This serves to guide the students to develop a balanced way of life unique to their individual requirements. The module also serves to provide guidance for students to develop a more disciplined healthy daily routine including the purpose of behavioural and internal self-restraints for body weight management, posture modification, breathing exercises, concentration techniques, mindfulness and relaxation techniques.</p> <p>Throughout the module the students will appreciate the effects of the holistic methods on their health and wellness with the expectation they will continue to use the knowledge in their future undertakings.</p> |
| | <p>This module is designed to give a global understanding of the world geography in terms of their tourism resources and potential. After being</p> |

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| <p>Destination Geography and Analysis</p> | <p>introduced to the basis of geography, students will implement their knowledge using geographical tools to draw maps and understand the notion of distance. Emphasis will be placed on the physical layout and characteristics of each region, enabling the students to get familiar with the different resources and the main transport network across continents as well as the leading tourist destinations in each region accordingly. The module identifies the tourist flows within and into the regions, as well as gives an overview of the main tourist attractions in each region. It also identifies the main factors of tourism development of the regions. This module gives the tourism student a basis of understanding of the relationship between tourism and geography. The teaching and learning approach is lecture and tutorial based, where lectures and tasks are given, after which discussions take place in groups. The major project involves the application of geographical knowledge and destination analysis tools to gauge the strengths and weaknesses of a tourism destination. Students will be given immediate feedback on their use of analytical tools in their presentation, which will be a formative assessment of their understanding of each chapter.</p> |
| <p>Tourism Economics</p> | <p>The specifications in tourism economics should encourage students to be inspired, moved and changed by following a broad, coherent, satisfying and worthwhile course of study and gain an insight into related sectors. It should prepare students to make informed decisions. This subject covers issues within microeconomics and macroeconomics. Students will consider the basic economic problem and how it affects the allocation of resources in competitive markets. The subject will cover how price is determined through the forces of demand and supply and how tourism firms compete in the market. The subject also covers the issues firms face: costs, revenues, profits, growth and productivity. It considers the impact that such factors have upon a business operating in a competitive market. Within the macroeconomic specification students will consider three of the main variables in the economy and how these are influenced by government policy. It covers the expenditure and revenue of government, including taxes, and the effects that these have on the economy. The subject will also cover the reasons for tourism international trade, exchange rate including the impacts of changes in the value on tourism activity. Globalization and its implications on tourism sector, at a local, national and global level are discussed.</p> |
| <p>Data and Media Analysis for Tourism</p> | <p>The course's conceptual content focuses on technology in Tourism and hospitality. The use of different media (online and printed) in tourism business, websites, online marketing techniques, e-commerce, innovative methods with which to gather, store, and utilise information on a tourism business's clientele, and how technology can be used to manage and deliver information. These are important in today's rapidly changing and somewhat converged business environment, the content is primarily a platform from which the students will learn skills that will serve them well in their future careers.</p> <p>The learning and teaching approach for the module will be immersive and problem-centred (problem and case-based Learning). Students will be required to provide solutions to the problems and cases given to them. The module is supported by a combination of online lectures and hands-on sessions. Additionally, industry experts will be invited to conduct a workshop and talk to enhance the analytic skills of the students. The main project will be data analytic for tourism enterprises on a small scale.</p> |

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| | <p>The collected data should be an analysis based on current theories. This assessment help the students to strengthen their critical thinking and analysis skills. Moreover, it helps them to apply theories to practice.</p> |
| <p>Sociology of Tourism</p> | <p>This module introduces students to the tourism phenomenon from a sociological perspective. Students will be taught the various sociological stances concerning tourist behaviour. Moreover, various research methodologies will be examined and discussed in order to have an in-depth understanding of tourist behaviour. This module also exposes students to the idea that different cultural contexts influence people's behaviour on holiday, which is a crucial concept for students to understand how to manage effectively culturally diverse tourism businesses. The learning and teaching approach for the module will be immersive and problem-centred (problem and case-based Learning). Students will be required to actively participate in fieldworks and online activities designed for them. Additionally, sociologists will be invited for giving a talk to enhance the analytic skills of the students. The main project will be a sociological analysis of a destination based on a given theory. Few field works will be provided to give a live example of the current issues in tourism. The assessments will be based on the field trips and theoretical bases.</p> |

BACHELOR OF INTERNATIONAL TOURISM MANAGEMENT (HONS) (EVENTS MANAGEMENT)

| No | Module Code | Module Title | Credit Hours |
|----|-------------|---|--------------|
| 1 | EVT 61104 | Event Sponsorship and Funding | 4 Credits |
| 2 | EVT 61704 | Sustainable Event Management | 4 Credits |
| 3 | EVT60404 | Events Project Management | 4 Credits |
| 4 | EVT 60904 | Event and Tourism Risk Management | 4 Credits |
| 5 | EVT 60104 | Exhibition Management | 4 Credits |
| 6 | EVT 60204 | Events Operations | 4 Credits |
| 7 | TOU61304 | Holistic Approach to Health and Wellness | 4 Credits |
| 8 | MPU3143 | Bahasa Melayu Komunikasi 2 | 3 Credits |
| 9 | EVT60604 | Events and Entertainment | 4 Credits |
| 10 | EVT60704 | Conventions and Meetings Management | 4 Credits |
| 11 | TOU61704 | Destination Geography and Analysis | 4 Credits |
| 12 | TOU60504 | Tourism Business Management | 4 Credits |
| 13 | TOU61804 | Tourism Economics | 4 Credits |
| 14 | TOU60304 | Data and Media Analysis for Tourism | 4 Credits |
| 15 | TOU60904 | Sociology of Tourism | 4 Credits |
| 16 | HOS60704 | Beverage Management | 4 Credits |
| 17 | HOS62204 | Service Quality Management in Hospitality | 4 Credits |

MODULE SYNOPSIS

| Module Title | Synopsis |
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| Event Sponsorship and Funding | <p>The module introduces students to the various elements of sponsorship and fundraising related to the event industry. The module covers the importance of sponsorship as well as how sponsors can benefit from sponsorship. In addition, the module looks into the steps in preparing a sponsorship package and ways in developing a fundraising plan. The teaching and learning approach for this module focuses on student centered learning approach together with project based learning, where students will have to search for necessary information for the project and assignments.</p> <p>Throughout the semester, there will be a mixture of face to face and online guided learning through online lectures and tutorial. The assessment approach will be based on formative as well as summative approaches. Students will have to prepare a sponsorship proposal and fundraising plan where formative feedback will be provided during tutorial sessions and online consultations. In addition, there will be opportunity to approach potential sponsors for an assigned event.</p> |
| Sustainable Event Management | <p>Sustainability has emerged as an important events management concept, and successful events managers must be equipped with knowledge and understanding of various components related to sustainable event management. This module introduces global environmental issues and sustainability management in the events industry. It includes various</p> |

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| | <p>components and elements related to sustainable events management, which would enable students to develop and manage environmentally sustainable events successfully.</p> <p>The learning and teaching approach for the module will encapsulate Authentic Learning when students examine and review environmentally sustainable components at various stages of an event. Additionally, students will undergo Problem-based Learning by developing a compelling proposal that recommend systems and best practices for implementation at sustainable events. The module is also supported by a combination of face-to-face and Blended Learning/e-Learning sessions, with materials accessible through TIMES.</p> <p>The module has a combination of two assignments and one group project. The assignments require students to recognise environmentally sustainable components for events, and then review these components at various stages of an event. The main project requires students to recommend and justify the implementation of environmentally sustainable components for an event of their design. Students will be guided through regular feedback and discussions as well as critiqued through peer and tutor formative assessment.</p> |
| <p>Events Project Management</p> | <p>This module will equip students with the skills and tools in event planning. It will focus on the development of an event proposal that covers the elements of planning, management, finance, operation, marketing, and sponsorship. In order to prepare the event proposal, students are required to negotiate with potential stakeholders, conduct a site inspection and some research based on the proposed event. Students will be advised to take into consideration the recommendation and opinion given by potential stakeholders. By doing so, students will be required to conduct a feasibility study, which is an analysis of the viability of an event idea. This analysis will help the students to answer essential questions related to their proposed event.</p> <p>Another part of this module will cover the communication skills that will be developed during a bidding session pertaining to the proposed event idea. The teaching and learning approach that will be used for this module mostly cover guided learning and project-based learning. Apart from that, students will be given an exercise pertaining to the real issue that has happened in the industry. This initiative will help students to have greater skills of analysis and synthesis that is applicable in the event industry.</p> |
| <p>Event and Tourism Risk Management</p> | <p>This module exposes the students to identify event risk factors inherent to any event and the strategies to manage those risks. It aims to equip students with theoretical insights of managing risk in event and tourism management. It incorporates holistic view of risk management that includes risk identification, assessment, control, prevention and solutions. This module requires students to complete both individual and group formative and summative assessments that are evaluated through the course of fourteen weeks. Pedagogy approach may include the focus on problem-based learning, action learning, and collaborative learning. Online quiz on TIMES will be conducted throughout the semester. A fair division of face-to-face sessions and e-learning discussions relating to the module assessments are prepared. At the end of the semester, it is anticipated that the students will be able to comprehend the essentials of event risk management and ultimately deliver a comprehensive plan to minimise, if not eliminate risk potentials. The module will adopt a personalized and collaborative learning and teaching approach where there will be a mixture of guided learning and project-based learning. Assessment tasks are designed to develop students' capability in comprehending risk management in the context of event and tourism. The tasks evaluates students' knowledge level in</p> |

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| | <p>communication skills, entrepreneurship and critical thinking. This is delivered in presentation and analyses of case studies in tutorial sessions.</p> |
| Exhibition Management | <p>There is an increasing emphasis on the role that exhibitions play in economic, professional and educational development which promotes benefits in knowledge exchange, scientific research, technology transfer, networking and motivation. This module will:</p> <ol style="list-style-type: none"> 1. enable students to build their skills and knowledge of exhibitions in the Meetings, Incentives, Conventions and Exhibitions (MICE) industry 2. help students identify and understand and fundamental elements for different types of exhibitions 3. equip students to take on key positions in exhibition management to meet growing demands of the MICE industry <p>The learning and teaching approach for this module is Authentic Learning and Case-Based Learning as study trips are organised for students to experience exhibitions. Working in groups, students are required to observe and review real issues of exhibitions visited and, subsequently, design and plan towards the production of a proposed exhibition. Guidance and feedback shall be offered progressively throughout the assessments of learning outcomes, Question and Answer (Q&A) sessions during tutorials as well as through online group discussions. The module is delivered through a combination of face-to-face lectures and tutorials as well as blended learning through online quiz or games. Additionally, students are required to conduct self-directed learning through research and analysis or evaluation of observed scenarios. Comprehension of fundamentals shall be conducted continuously through online assessments (online quiz and games). Review of an exhibition floor layout and booth designs along with visitor activities offers learning through observations, retention, and replication. The group project offers students the opportunity to integrate their knowledge and experiences to develop a comprehensive proposal, which includes design, operational planning and marketing. The proposal shall be presented to an audience of peers and industry experts for critique and feedback as formative assessment</p> |
| Events Operations | <p>The module equips students with the essential knowledge and skills in event coordination. The module covers the aspect of event operation tools such as timeline, manpower allocation, logistics, processes and dealing with external stakeholders. The students also will experience how to coordinate a real event from planning phase to the actual day of the event. The module will be conducted through online and face-to-face approach. For online approach, it will cover the theoretical components inclusive of online lectures, online videos, quizzes, discussions and forums meanwhile the-face-to face approach will be focusing on tutorials (on how to do it) and weekly meetings that monitor the progress of the event. The learning and teaching approach for the module will be inquiry-based learning and cooperative learning. There will be four assessments in this module, which are the event concept, event operations tools, VLOG and event coordination. Assessment 1 will measure students TGC2 (Problem solving, critical and creative thinking skills) where the students are required to think creatively on how to conceptualize an event experience for the event that they will organize. Research on information from multiple sources will help students to prepare for assessment 1. The second assessment is the event operation tools that requires the students to work in a department to produce their departmental plan inclusive of the production schedule and report. The students will achieve TGC 3 (communication skills) for this assessment. For assessment 3, students will be required to work in teams and coordinate the event according to the plan. Each member of the team will be assessed on their teamwork and leadership in organizing the event. The evaluation will be based on their performance from three perspectives and they are the organizer, internal team and the supervisor.</p> |

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| | <p>Students will develop TGC 6 (Social competencies) through this assessment. The last assessment is the VLOG that requires students to self-reflect on their performance based on their progression of assessment 2 and 3. This assessment will help them to achieve TGC 4 (lifelong learning). In order to ensure that the event is organized according to the plan, there will be regular meetings and consultation sessions with the lecturer, organizer and other stakeholders of the event. In the preliminary phase of event coordination, students will be required to do research and come out with the concept that meets the organizer's needs. The major project (assessment 2 and 3) involves teamwork, communication skills and organizational skills.</p> |
| <p>Holistic Approach to Health and Wellness</p> | <p>This module designed to educate and train university students using holistic theories and practicals to understand and reflect upon their general health and wellness. The module uses traditional holistic teachings (e.g. Ayurveda and yoga) to introduce techniques for students to improve and reflect upon their day-to day physical and mental wellness. This module, through the theoretical coupled with practical lessons, gives a foundation for students to use themselves as well as promote health and wellness amongst their peers.</p> <p>The module is an elective, comprises of 12 lectures with practicals introducing the concept of a holistic approach to health and wellness where the students are taught the theories and methods for maintaining a healthy lifestyle as well as reducing and minimising the effects of stress. Students are taught Ayurvedic concepts around the body constitution and impact of diet, and exercise. In tandem with traditional practical methods (e.g. yoga) for working with the physical and mental attributes. This serves to guide the students to develop a balanced way of life unique to their individual requirements. The module also serves to provide guidance for students to develop a more disciplined healthy daily routine including the purpose of behavioural and internal self-restraints for body weight management, posture modification, breathing exercises, concentration techniques, mindfulness and relaxation techniques.</p> <p>Throughout the module the students will appreciate the effects of the holistic methods on their health and wellness with the expectation they will continue to use the knowledge in their future undertakings.</p> |
| <p>Bahasa Melayu Komunikasi 2</p> | <p>This module is designed for students to communicate in basic Bahasa Melayu that covers their daily life as international students in Malaysia. When students have the ability to master and communicate in Bahasa Melayu, this will ease their daily communication with local people in any kind of situations. Students are also able to interact, read and understand Bahasa Melayu with ease. In addition to that, students are also able to write a short essay using simple sentences related to their daily life.</p> |
| <p>Events and Entertainment</p> | <p>The module introduces students to the events and entertainment industries, which covers a general aspect on the development of the events industry and the types of events available within the industry. The module will also look into the structure of the events industry and the relationship between events management and education as well as the various theories involved in events management. Another part of the module will emphasize on the significance on entertainment for events, entertainment management and music licensing. The module will adopt a personalized and collaborative learning and teaching approach where there will be a mixture of guided learning and project-based learning. Students will be guided through online lectures, face-to-face lectures and tutorials together with a series of online activities that helps to prepare students for the final written assessment. Students are required to conduct online information search to prepare for the face-to-face tutorial sessions and for preparation of assignments and project. The module has a combination of two group assignments and one group project. The assignments require students to evaluate the impacts of an event and to visit an event to assess the entertainment genre of the event. The main project requires students to present</p> |

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| | the structure of the event industry, event life cycle and uniqueness of events in an oral and written communication format. |
| Conventions and Meetings Management | This module emphasises on design and planning of meetings and conventions. Students are introduced to industry developments, key players and their roles, as well as essential components for them to plan and bid for meetings or conventions projects. The teaching and learning approach for the module will incorporate case-based learning, where students will visit a convention to identify issues and propose solutions. Group work will engage students in collaborative learning. Students will also undergo self-directed learning and authentic learning to create a successful proposal and bid by showcasing their entrepreneurial skills. Blended or e-learning lesson delivered through online quiz and games, will offer fundamental and theoretical information on major components in planning conventions or meetings. Online games and quizzes will generate frequent feedback, while face-to-face reviews will be given progressively through presentations and interactive (critique/debate) sessions aligned to learning outcomes. The group assignment will synthesize knowledge and creativity to produce a proposal of professional competence. The proposal shall be presented to an audience of peers or industry experts for critique and feedback as formative assessment. |
| Destination Geography and Analysis | This module is designed to give a global understanding of the world geography in terms of their tourism resources and potential. After being introduced to the basis of geography, students will implement their knowledge using geographical tools to draw maps and understand the notion of distance. Emphasis will be placed on the physical layout and characteristics of each region, enabling the students to get familiar with the different resources and the main transport network across continents as well as the leading tourist destinations in each region accordingly. The module identifies the tourist flows within and into the regions, as well as gives an overview of the main tourist attractions in each region. It also identifies the main factors of tourism development of the regions. This module gives the tourism student a basis of understanding of the relationship between tourism and geography. The teaching and learning approach is lecture and tutorial based, where lectures and tasks are given, after which discussions take place in groups. The major project involves the application of geographical knowledge and destination analysis tools to gauge the strengths and weaknesses of a tourism destination. Students will be given immediate feedback on their use of analytical tools in their presentation, which will be a formative assessment of their understanding of each chapter. |
| Tourism Business Management | The module focuses on the roles, responsibilities and functions of tour operators and travel agencies with an overview of the travel and tourism industry. This module comprises both of theoretical and hands on components that will equip students with relevant skills and techniques to address, advise as well as sell appropriate tourism products according to the needs to tourists. Students will identify and apply methods in preparing, planning and organizing tour and travel itineraries. They will also learn how to handle different groups of tourists during a tour in terms of learning and applying tour guiding skills. Authentic, Case-based, collaborative, problem-based, reciprocal and blended learnings will be applied throughout the module. Intrapersonal skills will be developed through this module as required them to organize a domestic trip. This allow students to acquire tour operating skills and techniques to manage tourists, create appropriate tour packages, planning the arrival of tourists and handling them during their stay at the destination and optimize guest's satisfaction by understanding the needs and wants of tourists. |
| Tourism Economics | The specifications in tourism economics should encourage students to be inspired, moved and changed by following a broad, coherent, satisfying and worthwhile course of study and gain an insight into related sectors. It should prepare students to make informed decisions. This subject covers issues within |

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| | <p>microeconomics and macroeconomics. Students will consider the basic economic problem and how it affects the allocation of resources in competitive markets. The subject will cover how price is determined through the forces of demand and supply and how tourism firms compete in the market. The subject also covers the issues firms face: costs, revenues, profits, growth and productivity. It considers the impact that such factors have upon a business operating in a competitive market. Within the macroeconomic specification students will consider three of the main variables in the economy and how these are influenced by government policy. It covers the expenditure and revenue of government, including taxes, and the effects that these have on the economy. The subject will also cover the reasons for tourism international trade, exchange rate including the impacts of changes in the value on tourism activity. Globalization and its implications on tourism sector, at a local, national and global level are discussed.</p> |
| Data and Media Analysis for Tourism | <p>The course's conceptual content focuses on technology in Tourism and hospitality. The use of different media (online and printed) in tourism business, websites, online marketing techniques, e-commerce, innovative methods with which to gather, store, and utilise information on a tourism business's clientele, and how technology can be used to manage and deliver information. These are important in today's rapidly changing and somewhat converged business environment, the content is primarily a platform from which the students will learn skills that will serve them well in their future careers.</p> <p>The learning and teaching approach for the module will be immersive and problem-centred (problem and case-based Learning). Students will be required to provide solutions to the problems and cases given to them. The module is supported by a combination of online lectures and hands-on sessions. Additionally, industry experts will be invited to conduct a workshop and talk to enhance the analytic skills of the students. The main project will be data analytic for tourism enterprises on a small scale. The collected data should be an analysis based on current theories. This assessment help the students to strengthen their critical thinking and analysis skills. Moreover, it helps them to apply theories to practice.</p> |
| Sociology of Tourism | <p>This module introduces students to the tourism phenomenon from a sociological perspective. Students will be taught the various sociological stances concerning tourist behaviour. Moreover, various research methodologies will be examined and discussed in order to have an in-depth understanding of tourist behaviour. This module also exposes students to the idea that different cultural contexts influence people's behaviour on holiday, which is a crucial concept for students to understand how to manage effectively culturally diverse tourism businesses. The learning and teaching approach for the module will be immersive and problem-centred (problem and case-based Learning). Students will be required to actively participate in fieldworks and online activities designed for them. Additionally, sociologists will be invited for giving a talk to enhance the analytic skills of the students. The main project will be a sociological analysis of a destination based on a given theory. Few field works will be provided to give a live example of the current issues in tourism. The assessments will be based on the field trips and theoretical bases.</p> |
| Beverage Management | <p>This class focuses on the basic understanding of alcoholic and non-alcoholic beverages which is found in the commercial world. Students will learn on classification, processes and identification of these beverages. Understanding the evolution of drinks and the commercialization of the beverage is studied.</p> |
| Service Quality Management in Hospitality | <p>The module will emphasize on the different concepts and dimensions of service quality management. The module would comprise of the factors that impact service quality in tourism and hospitality-related businesses, the role of service providers, and the method of measuring service quality. The module</p> |

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| | <p>accentuates the service delivery system of the hospitality industry, which references a particular focus on service quality and other catering on different concepts and dimensions of service quality management. The module is expected to provide a detail understanding of service quality management in the hospitality and tourism industry, which is essential as this serves as a fundamental for quality service environment in the hospitality and tourism industry. The application of service quality in the operational activity will provide clear evidence of guest satisfaction, thus provide the industry with a competitive advantage. The learning and teaching approach for the module will be in flipped classroom-based alongside problem-based learning based; thus, presenting their ideas and thoughts within the group are incorporated. This module is supported by blended-learning and collaborative learning in order to achieve desired goals. The TIMES online platform will be used for providing tutorial notes and lecture slides. Besides, assignments are developed to provide a combination of field-based learning and project-based learning, supporting student's problem-solving skills and elevate thinking capacity. The service quality assessment includes understanding, developing, and executing empirical investigation using the service quality assessment scale. The hotel visitation group project involves hospitality establishment visitation and evaluating service delivery capacity and capability from mystery shopper's aspect of such.</p> |
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BACHELOR OF INTERNATIONAL TOURISM MANAGEMENT (HONS)

| No | Module Code | Module Title | Credit Hours |
|----|-------------|---|--------------|
| 1 | TOU60304 | Data and Media Analysis for Tourism | 4 |
| 2 | TOU60904 | Sociology of Tourism | 4 |
| 3 | TOU61804 | Tourism Economics | 4 |
| 4 | EVT 60904 | Event and Tourism Risk Management | 4 |
| 5 | TOU61304 | Holistic Approach to Health and Wellness | 4 |
| 6 | TOU61704 | Destination Geography and Analysis | 4 |
| 7 | MPU3143 | Bahasa Melayu Komunikasi 2 (Malay Language) | 3 |
| 8 | TOU62104 | Sustainable Tourism Development | 4 |
| 9 | TOU60504 | Tourism Business Management | 4 |
| 10 | TOU61604 | Leisure Attraction Management | 4 |
| 11 | TOU60704 | Airline and Airport Management | 4 |
| 12 | TOU62004 | Tourism Integrated Project | 4 |
| 13 | EVT61104 | Event Sponsorship and Funding | 4 |
| 14 | EVT60404 | Events Project Management | 4 |
| 15 | EVT60604 | Events and Entertainment | 4 |
| 16 | EVT60704 | Conventions and Meetings Management | 4 |
| 17 | HOS60704 | Beverage Management | 4 |
| 18 | HOS62204 | Service Quality Management in Hospitality | 4 |

| Module Title | Module Synopsis |
|-------------------------------------|--|
| Data and Media Analysis for Tourism | <p>The course's conceptual content focuses on technology in Tourism and hospitality. The use of different media (online and printed) in tourism business, websites, online marketing techniques, e-commerce, innovative methods with which to gather, store, and utilise information on a tourism business's clientele, and how technology can be used to manage and deliver information. These are important in today's rapidly changing and somewhat converged business environment, the content is primarily a platform from which the students will learn skills that will serve them well in their future careers. The learning and teaching approach for the module will be immersive and problem-centred (problem and case-based Learning). Students will be required to provide solutions to the problems and cases given to them. The module is supported by a combination of online lectures and hands-on sessions. Additionally, industry experts will be invited to conduct a workshop and talk to enhance the analytic skills of the students. The main project will be data analytic for tourism enterprises on a small scale. The collected data should be an analysis based on current theories. This assessment help the students to strengthen their critical thinking and analysis skills. Moreover, it helps them to apply theories to practice.</p> |
| Sociology of Tourism | <p>This module introduces students to the tourism phenomenon from a sociological perspective. Students will be taught the various sociological stances concerning tourist behaviour. Moreover, various research methodologies will be examined and discussed in order to have an in-depth understanding of tourist behaviour. This module also exposes students to the idea that different cultural contexts influence people's behaviour on holiday, which is a crucial concept for students to understand how to manage effectively culturally diverse tourism businesses. The learning and teaching approach for the module will be immersive and problem-centred (problem and case-based Learning). Students will be required to actively participate in fieldworks and online activities designed for them. Additionally, sociologists will be invited for giving a talk to enhance the analytic skills of the students. The main project will be a sociological analysis of a destination based on a given theory. Few field works will be provided to give a live example of the current issues in tourism. The assessments will be based on the field trips and theoretical bases.</p> |
| Tourism Economics | <p>The specifications in tourism economics should encourage students to be inspired, moved and changed by following a broad, coherent, satisfying and worthwhile course of study and gain an insight into related sectors. It should prepare students to make informed decisions. This subject covers issues within microeconomics and macroeconomics. Students will consider the basic economic problem and how it affects the allocation of resources in competitive markets. The subject will cover how price is determined through the forces of demand and supply and how tourism firms compete in the market. The subject also covers the issues firms face: costs, revenues, profits, growth and productivity. It considers the impact that such factors have upon a business operating in a competitive market. Within the macroeconomic specification students will consider three of the main variables in the economy and how these are influenced by government policy. It covers the expenditure and revenue of government, including taxes, and the effects that these have on the economy. The subject will also cover the reasons for tourism international trade, exchange rate including the impacts of changes in</p> |

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| | <p>the value on tourism activity. Globalization and its implications on tourism sector, at a local, national and global level are discussed.</p> |
| <p>Event and Tourism Risk Management</p> | <p>This module exposes the students to identify event risk factors inherent to any event and the strategies to manage those risks. It aims to equip students with theoretical insights of managing risk in event and tourism management. It incorporates holistic view of risk management that includes risk identification, assessment, control, prevention and solutions. This module requires students to complete both individual and group formative and summative assessments that are evaluated through the course of fourteen weeks. Pedagogy approach may include the focus on problem-based learning, action learning, and collaborative learning. Online quiz on TIMES will be conducted throughout the semester. A fair division of face-to-face sessions and e-learning discussions relating to the module assessments are prepared. At the end of the semester, it is anticipated that the students will be able to comprehend the essentials of event risk management and ultimately deliver a comprehensive plan to minimise, if not eliminate risk potentials. The module will adopt a personalized and collaborative learning and teaching approach where there will be a mixture of guided learning and project-based learning. Assessment tasks are designed to develop students' capability in comprehending risk management in the context of event and tourism. The tasks evaluates students' knowledge level in communication skills, entrepreneurship and critical thinking. This is delivered in presentation and analyses of case studies in tutorial sessions.</p> |
| <p>Holistic Approach to Health and Wellness</p> | <p>This module designed to educate and train university students using holistic theories and practicals to understand and reflect upon their general health and wellness. The module uses traditional holistic teachings (e.g. Ayurveda and yoga) to introduce techniques for students to improve and reflect upon their day-to day physical and mental wellness. This module, through the theoretical coupled with practical lessons, gives a foundation for students to use themselves as well as promote health and wellness amongst their peers.</p> <p>The module is an elective, comprises of 12 lectures with practicals introducing the concept of a holistic approach to health and wellness where the students are taught the theories and methods for maintaining a healthy lifestyle as well as reducing and minimising the effects of stress. Students are taught Ayurvedic concepts around the body constitution and impact of diet, and exercise. In tandem with traditional practical methods (e.g. yoga) for working with the physical and mental attributes. This serves to guide the students to develop a balanced way of life unique to their individual requirements. The module also serves to provide guidance for students to develop a more disciplined healthy daily routine including the purpose of behavioural and internal self-restraints for body weight management, posture modification, breathing exercises, concentration techniques, mindfulness and relaxation techniques.</p> <p>Throughout the module the students will appreciate the effects of the holistic methods on their health and wellness with the expectation they will continue to use the knowledge in their future undertakings.</p> |
| <p>Destination Geography and Analysis</p> | <p>This module is designed to give a global understanding of the world geography in terms of their tourism resources and potential. After being introduced to the basis of geography, students will implement their knowledge using geographical tools to draw maps and understand the notion of distance. Emphasis will be placed on the physical layout and characteristics of each region, enabling the students to get familiar with the different resources and the main transport network across continents as well as the leading tourist destinations in each region accordingly. The</p> |

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| | <p>module identifies the tourist flows within and into the regions, as well as gives an overview of the main tourist attractions in each region. It also identifies the main factors of tourism development of the regions. This module gives the tourism student a basis of understanding of the relationship between tourism and geography. The teaching and learning approach is lecture and tutorial based, where lectures and tasks are given, after which discussions take place in groups. The major project involve the application of geographical knowledge and destination analysis tools to gauge the strengths and weaknesses of a tourism destination. Students will be given immediate feedback on their use of analytical tools in their presentation, which will be a formative assessment of their understanding of each chapter.</p> |
| Bahasa Melayu Komunikasi 2 (Malay Language) | <p>This module is designed for students to communicate in basic Bahasa Melayu that covers their daily life as international students in Malaysia. When students have the ability to master and communicate in Bahasa Melayu, this will ease their daily communication with local people in any kind of situations. Students are also able to interact, read and understand Bahasa Melayu with ease. In addition to that, students are also able to write a short essay using simple sentences related to their daily life.</p> |
| Sustainable Tourism Development | <p>The module introduces students to the concepts of sustainable development that can be integrated in tourism business environment. The module will also investigate the fundamental theories of sustainability, the three dimensions of sustainable development; social, economic, and environmental pillars. Another part of the module will emphasize on the development of Sustainable Development Goals (SDGs 2015-2030) within the scope of hospitality and tourism. Various indicators of sustainable tourism development that are used by UNWTO, top tourism destinations, and major tourism organizations to measure sustainability in a particular tourism entity will be also explored. The module will adopt a personalized and collaborative learning and teaching approach where there will be a mixture of guided learning and project-based learning. Students will be guided through online lectures, face-to-face lectures, and tutorials together with a series of online activities that helps to prepare students for the final written assessment. Students are required to conduct online information search to prepare for the face-to-face tutorial sessions and for preparation of assignments and project. The module has an individual assignment and a group project. The assignments require students to evaluate the impacts of sustainable development goals on hospitality and tourism industry. The main project requires students to present the potential sustainable practices that tourism organizations can employ towards achieving 17 SDG's.</p> |
| Tourism Business Management | <p>The module focuses on the roles, responsibilities and functions of tour operators and travel agencies with an overview of the travel and tourism industry. This module comprises both of theoretical and hands on components that will equip students with relevant skills and techniques to address, advise as well as sell appropriate tourism products according to the needs to tourists. Students will identify and apply methods in preparing, planning and organizing tour and travel itineraries. They will also learn how to handle different groups of tourists during a tour in terms of learning and applying tour guiding skills. Authentic, Case-based, collaborative, problem-based, reciprocal and blended learnings will be applied throughout the module. Intrapersonal skills will be developed though this module as required them to organize a domestic trip. This allow students to acquire tour operating skills and techniques to manage tourists, create appropriate tour packages, planning the arrival of tourists</p> |

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| | <p>and handling them during their stay at the destination and optimize guest's satisfaction by understanding the needs and wants of tourists.</p> |
| <p>Leisure Attraction Management</p> | <p>This module will equip students with the knowledge of spa, wellness, theme parks, nature, cultural, heritage, and leisure tourism in terms of recognising the different socio-cultural, geographical, economic, legal, environmental, organisational, technical as well as managerial aspects of nature, leisure-based tourism. This module exposes students to the theoretical and practical applications of the spa, wellness, theme parks, nature, culture, heritage and leisure as a recreational activity and business. It will cover the roles and functions of different tourism players in leisure tourism businesses, market segments and tourist behaviour, leisure-based products, leisure, cultural and heritage attractions, supplementary activities and success and failure of leisure attractions. The learning and teaching approach for the module will cover both theoretical and practical techniques which focuses on authentic learning (learning process through real-life situation and application of knowledge), collaborative learning (learning through teamwork), discovery learning (learning through problem-solving technique and experiences) and blended learning (a combination of both face-to-face and online learning). Guest speaker and video clips on leisure-related tourism also will be used as additional learning tools during lecture sessions to stimulate thought and discussion. There are regular review and feedback sessions leading to the classroom activities, individual and group projects to assess progress and alignment to the learning outcomes concerning the brief. The e-Learning or online learning approach will be conducted via various online platforms. Students can access to all learning materials, pre-recorded videos and tutorial or practical questions through these learning platforms. Students will be assessed on their knowledge and the synthesis of knowledge through short answer questions, assignments and/or projects and case study. Besides enhancing lifelong learning, the module also helps to develop the students' communication, problem-solving, social competencies, and personal competencies.</p> |
| <p>Airline and Airport Management</p> | <p>This module will introduce students to the fundamental knowledge of airport management and operations of global airlines. The teaching and learning approach used in this module includes lecture, discussion, use of videos on airline and airport operations that stimulate thought and discussion. Case studies will be discussed in class to engage students to think strategically and expose students to real-life practices of the commercial aviation industry. The lectures for this module will be delivered online via recordings for asynchronous learning. Tutorial sessions will be held to facilitate discussions and activities to enhance learning and understanding, as well as to develop critical thinking and communication skills. Students are expected to learn independently outside of class by doing their readings and research for tutorial sessions.</p> <p>Students will be assessed on their knowledge and the synthesis of knowledge through MCQ, short answer questions, and/or discussion questions. They will also be assessed on their ability to think critically and creatively in proposing possible solutions to problems faced by airlines. Apart from that, they will be tested on their ability to communicate ideas clearly and precisely in an engaging manner to the stakeholders.</p> |

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| <p>Tourism Integrated Project</p> | <p>The module equips students with a practical part in tourism management. The module is designed to provide students with an opportunity to synthesize theoretical knowledge gained from various fields in tourism studies and to apply them in a practical environment. Students are free to select any project that is relevant to the industry. The project will expose students to the steps involved in project management. The project is carried out in three stages: pre-during-post. Each stage has different requirements and must be completed within a stipulated time frame. This module will require the students to have good teamwork, dynamic and collaborative based on the application of the management process. The learning and teaching approach for the module will cover both theoretical and practical techniques which focus on authentic learning (learning process through real-life situation and application of knowledge), collaborative learning (learning through teamwork), discovery learning (learning through problem-solving technique and experiences) and blended learning (a combination of both face-to-face and online learning). There are regular review and feedback sessions leading to the classroom activities and group assignments to assess and alignment to the learning outcomes concerning the brief. The e-Learning or online learning approach will be conducted via various online platforms. Students can access to all learning materials, pre-recorded videos and tutorial or practical questions through these learning platforms. Students will be assessed on their knowledge and the synthesis of knowledge through progress assignments and presentation.</p> |
| <p>Event Sponsorship and Funding</p> | <p>The module introduces students to the various elements of sponsorship and fundraising related to the event industry. The module covers the importance of sponsorship as well as how sponsors can benefit from sponsorship. In addition, the module looks into the steps in preparing a sponsorship package and ways in developing a fundraising plan. The teaching and learning approach for this module focuses on student centered learning approach together with project based learning, where students will have to search for necessary information for the project and assignments.</p> <p>Throughout the semester, there will be a mixture of face to face and online guided learning through online lectures and tutorial. The assessment approach will be based on formative as well as summative approaches. Students will have to prepare a sponsorship proposal and fundraising plan where formative feedback will be provided during tutorial sessions and online consultations. In addition, there will be opportunity to approach potential sponsors for an assigned event.</p> |
| <p>Events Project Management</p> | <p>This module will equip students with the skills and tools in event planning. It will focus on the development of an event proposal that covers the elements of planning, management, finance, operation, marketing, and sponsorship. In order to prepare the event proposal, students are required to negotiate with potential stakeholders, conduct a site inspection and some research based on the proposed event. Students will be advised to take into consideration the recommendation and opinion given by potential stakeholders. By doing so, students will be required to conduct a feasibility study, which is an analysis of the viability of an event idea. This analysis will help the students to answer essential questions related to their proposed event.</p> <p>Another part of this module will cover the communication skills that will be developed during a bidding session pertaining to the proposed event idea. The teaching and learning approach that will be used for this</p> |

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| | <p>module mostly cover guided learning and project-based learning. Apart from that, students will be given an exercise pertaining to the real issue that has happened in the industry. This initiative will help students to have greater skills of analysis and synthesis that is applicable in the event industry.</p> |
| Events and Entertainment | <p>The module introduces students to the events and entertainment industries, which covers a general aspect on the development of the events industry and the types of events available within the industry. The module will also look into the structure of the events industry and the relationship between events management and education as well as the various theories involved in events management. Another part of the module will emphasize on the significance on entertainment for events, entertainment management and music licensing. The module will adopt a personalized and collaborative learning and teaching approach where there will be a mixture of guided learning and project-based learning. Students will be guided through online lectures, face-to-face lectures and tutorials together with a series of online activities that helps to prepare students for the final written assessment. Students are required to conduct online information search to prepare for the face-to-face tutorial sessions and for preparation of assignments and project. The module has a combination of two group assignments and one group project. The assignments require students to evaluate the impacts of an event and to visit an event to assess the entertainment genre of the event. The main project requires students to present the structure of the event industry, event life cycle and uniqueness of events in an oral and written communication format.</p> |
| Conventions and Meetings Management | <p>This module emphasises on design and planning of meetings and conventions. Students are introduced to industry developments, key players and their roles, as well as essential components for them to plan and bid for meetings or conventions projects. The teaching and learning approach for the module will incorporate case-based learning, where students will visit a convention to identify issues and propose solutions. Group work will engage students in collaborative learning. Students will also undergo self-directed learning and authentic learning to create a successful proposal and bid by showcasing their entrepreneurial skills. Blended or e-learning lesson delivered through online quiz and games, will offer fundamental and theoretical information on major components in planning conventions or meetings. Online games and quizzes will generate frequent feedback, while face-to-face reviews will be given progressively through presentations and interactive (critique/debate) sessions aligned to learning outcomes. The group assignment will synthesize knowledge and creativity to produce a proposal of professional competence. The proposal shall be presented to an audience of peers or industry experts for critique and feedback as formative assessment.</p> |
| Beverage Management | <p>This class focuses on the basic understanding of alcoholic and non-alcoholic beverages which is found in the commercial world. Students will learn on classification, processes and identification of these beverages. Understanding the evolution of drinks and the commercialization of the beverage is studied.</p> |
| Service Quality Management in Hospitality | <p>The module will emphasize on the different concepts and dimensions of service quality management. The module would comprise of the factors that impact service quality in tourism and hospitality-related businesses, the role of service providers, and the method of measuring service quality. The module accentuates the service delivery system of the hospitality industry, which references a particular focus on service quality</p> |

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| | <p>and other catering on different concepts and dimensions of service quality management. The module is expected to provide a detail understanding of service quality management in the hospitality and tourism industry, which is essential as this serves as a fundamental for quality service environment in the hospitality and tourism industry. The application of service quality in the operational activity will provide clear evidence of guest satisfaction, thus provide the industry with a competitive advantage. The learning and teaching approach for the module will be in flipped classroom-based alongside problem-based learning based; thus, presenting their ideas and thoughts within the group are incorporated. This module is supported by blended-learning and collaborative learning in order to achieve desired goals. The TIMES online platform will be used for providing tutorial notes and lecture slides. Besides, assignments are developed to provide a combination of field-based learning and project-based learning, supporting student's problem-solving skills and elevate thinking capacity. The service quality assessment includes understanding, developing, and executing empirical investigation using the service quality assessment scale. The hotel visitation group project involves hospitality establishment visitation and evaluating service delivery capacity and capability from mystery shopper's aspect of such.</p> |
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SCHOOL OF FOOD STUDIES AND GASTRONOMY
BACHELOR OF SCIENCE (HONS) (CULINOLOGY)

| No | Module Code | Module Title | Credit Hours |
|----|-------------|--|--------------|
| 1 | CUL63204 | Food Packaging & Labelling | 4 |
| 2 | FSC61004 | Food Safety and Quality Management | 4 |
| 3 | CUL63304 | Aromatic Ingredients & Flavour Application | 4 |
| 4 | CUL62004 | Sensory Evaluation of Food | 4 |
| 5 | CHM61004 | Principles of Organic Chemistry | 4 |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
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| Food Packaging & Labelling | This module covers important aspects of food packaging and labelling includes major types of packaging materials, packaging operations and technologies, food-package interactions and standards related to food packaging and labelling. The syllabus is designed to enable students to evaluate the packaging and labelling requirements for different food products and to create the new package prototype. In addition, this module provides the latest information about current issues and trends in food packaging and labelling. |
| Food Safety and Quality Management | This course embraces the implications of food safety and quality management against the framework of food authenticity and sustainability within an increasingly globalized food industry. Student will gain an in-depth understanding of regional, national, and international standards in regulatory processes, and the role of public institutions and policy makers in delivering safe, quality foods to consumers. In conclusion, student will acquire a knowledge of the design and management of safety and quality management systems based upon risk analysis, e.g. Hazard Analysis and Critical Control Point (HACCP), ISO 9001:2015 and private standards, all designed to meet the requirements of national and international legislation. |
| Aromatic Ingredients & Flavour Application | To provide an understanding to the origin of food flavors components, extraction methods, legislation and application in foods. Student would be able to apply the knowledge into their creations of food formulations. |
| Sensory Evaluation of Food | Sensory Evaluation of Food module provides concept of food quality with a particular focus on sensory evaluation elements. Students will expose to sensory techniques used in evaluating characteristics of food and consumer acceptance. This includes sensory perceptions, good sensory practices, a wide range of sensory test methods (discrimination, descriptive, affective test) and skills to design experiment (objective, hypothesis, variables, basic statistics used in sensory evaluation). The opportunity to integrate theory into practice will also be provided to students through practical class and a mini-project. The knowledge and skills obtained in this module equip students with a sound bases for food |

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| | product development module as well as future roles which linked to food quality. |
| Principles of Organic Chemistry | The chemistry of organic molecules is an indispensable knowledge of Culinology®. This course emphasizes three main areas of organic chemistry; structures and functional groups; mechanisms of chemical reaction; and the macromolecules. The first part prepares the students in the fundamentals of basic chemistry. Part two discusses knowledge in the nomenclature of organic compounds through identification of functional groups, chemical reactions and the mechanisms of reactions engaged by different chemical functional groups. The last part re-emphasizes the relevance of organic chemistry to macromolecules of food. This course serves to equip the students with essential knowledge in organic sciences to further apply in the food product development. |

BACHELOR OF CULINARY MANAGEMENT

| No | Module Code | Module Title | Credit Hours |
|----|-------------|------------------------------------|--------------|
| 1 | CUL61804 | Food Media | 4 |
| 2 | CUL62504 | Culinary Product Development | 4 |
| 3 | CUL62704 | Food Safety and Sanitation | 4 |
| 4 | CUL62004 | Sensory Evaluation of Food | 4 |
| 5 | CUL62804 | Food Trends and Product Innovation | 4 |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
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| Food Media | Bachelor of Culinary Management brings your passion for the food industry and media together to provide you with the skills necessary to succeed as a food product creator, developer, presenter, advertiser and marketer. In this culinary program, students will develop the skills and tools necessary to advertise and market their own food product or service through a focus on the entrepreneurial use of personalized branding and marketing. Students will also be able to identify the target market audience, design and deliver creative messages and negotiate for the appropriate media product to achieve the desired communication and presentation results. Using their creative skills and food knowledge, graduates will harness the power of the media to deliver messages to attract revenue-generating streams and opportunities. Program graduates will be equipped with the skills to identify and implement entrepreneurial opportunities in a food media-related field such as food image and brand specialist, freelance food writer, marketing specialist, food segment producer, and entertainment and lifestyle professional. To successfully complete the subject students are required to participate in class discussions, read the prescribed reading materials, complete the assigned assignments and attend the lectures |
| | The Module consists of culinary approaches to creating and producing food for RTE (Ready To Eat) operation management. Students will be able to develop own culinary product creation with a marketable and commercial value capacity. At the same time, while developing culinary |

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| Culinary Product Development | product creation, the students will be exposed to the operations and management of a cook chilled and cook freeze food production system. Subsequently student will be execute entrepreneurship operation. Students will be exposed to consumer behavioral studies, marketing strategies and influencing how they could start up a food business with own developed product. Students are expected to run a food business at tiffin, with a new concept defined by them. The teaching and learning approach will be in an experiential learning approach. Mode of delivery is lecture, and Practical. The assessment approach is done with the industry standard in producing quality RTE food. |
| Food Safety and Sanitation | This module aimed at providing a fundamental of food microbiology, food borne illnesses, personal hygiene, safe food handling, kitchen safety, sanitation practices, sanitary design principles for facilities and equipment, food handlers' hygiene practices and correct procedures for cleaning and sanitizing in culinary management and hospitality management. The module learning outcome include demonstrating good hygiene practices regarding food handling and food preparations. Additionally, student will learn to apply proper cleaning and sanitizing steps in food preparations environment according to food safety standard. In conclusion, the module introduces the scientific principles behind food safety and sanitation practices as well as practical and effective methods students can implement in future food premises to assure safe foods for public health. Besides the inter-classroom teaching, students will be engaging in their own learning through knowledge from teaching materials such as, lectures notes, videos, and self -directed learning. Student also learn through different platform which included blended and e-learning via TIMes portal, eg. REWINDs. The assessment approaches are divided between summative and formative assessment based on the individual and group assignment. In summary, the module will be directed via personalised and collaborative learning and teaching approaches which focus on guided and self-directed learning. On the other hand, this module also incorporates immersive and problem centred learning and teaching approaches which drive by problem-based learning and case-based learning. |
| Sensory Evaluation of Food | Sensory Evaluation of Food module provides an overview of sensory science, including some human senses and how they are used in food sensory evaluation practices. Students will expose to various sensory analytical techniques used in evaluating characteristics of food and consumer acceptance. Interactive lectures and guided readings are used to facilitate communication between lecturer and students, and also to enhance students in comprehending the taught topics. Tutorials are designed to assist students to re-think the previous learning process for consolidating the key concepts. Hands-on practical sessions are used to supplement the lectures and to develop students' practical proficiency. The knowledge and skills obtained in this module equip students with a sound knowledge and skills to carry out relevant sensory evaluation of foods as well as the ability to discuss individual differences in perception. Students will be graded through their sensory lab test, sensory report writing, reflective writing and final examination assessment tasks. Several formative assessments activities (quizzes, oral questioning, one-minute paper, self-assessment, hand in, pass out etc) will be carried out to build students' confidence, expectations and accelerate their achievements. |
| | The Module consists of Culinary and Food Trends relevant to the current Industry practices. The element of food product innovation is essential in developing future culinary innovators and enhancing the diversity of |

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| Food Trends and Product Innovation | <p>knowledge in food production automation for the future culinary managers. Students will learn the managerial approaches in an Innovation Team while developing innovative food product. The teaching and learning approach will be in an experiential learning approach. Mode of delivery is lecture, and Practical. The assessment approach is done with the industry standard in mind in producing innovative food product. The module will provide an integrated platform for students to Innovate culinary products suitable for current and future customer needs with focus on current and future culinary management issues related to the international food Industry.</p> |
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BACHELOR OF PATISSERIE ARTS (HONOURS)

| No | Module Code | Module Title | Credit Hours |
|----|-------------|-------------------------------|--------------|
| 1 | CUL62504 | Culinary Product Development | 4 |
| 2 | CUL62704 | Food Safety and Sanitation | 4 |
| 3 | CUL62004 | Sensory Evaluation of Food | 4 |
| 4 | CUL64304 | Asian Patisserie and Desserts | 4 |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
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| Culinary Product Development | <p>The Module consists of culinary approaches to creating and producing food for RTE (Ready To Eat) operation management. Students will be able to develop own culinary product creation with a marketable and commercial value capacity. At the same time, while developing culinary product creation, the students will be exposed to the operations and management of a cook chilled and cook freeze food production system. Subsequently student will be execute entrepreneurship operation. Students will be exposed to consumer behavioral studies, marketing strategies and influencing how they could start up a food business with own developed product. Students are expected to run a food business at tiffin, with a new concept defined by them. The teaching and learning approach will be in an experiential learning approach. Mode of delivery is lecture, and Practical. The assessment approach is done with the industry standard in producing quality RTE food.</p> |
| Food Safety and Sanitation | <p>This module aimed at providing a fundamental of food microbiology, food borne illnesses, personal hygiene, safe food handling, kitchen safety, sanitation practices, sanitary design principles for facilities and equipment, food handlers' hygiene practices and correct procedures for cleaning and sanitizing in culinary management and hospitality management. The module learning outcome include demonstrating good hygiene practices regarding food handling and food preparations. Additionally, student will learn to apply proper cleaning and sanitizing steps in food preparations environment according to food safety standard. In conclusion, the module introduces the scientific principles behind food safety and sanitation practices as well as practical and effective methods students can implement in future food premises to assure safe foods for public health. Besides the inter-classroom teaching, students will be engaging in their own learning through</p> |

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| | <p>knowledge from teaching materials such as, lectures notes, videos, and self -directed learning. Student also learn through different platform which included blended and e-learning via TIMes portal, eg. REWINDs. The assessment approaches are divided between summative and formative assessment based on the individual and group assignment. In summary, the module will be directed via personalised and collaborative learning and teaching approaches which focus on guided and self-directed learning. On the other hand, this module also incorporates immersive and problem centred learning and teaching approaches which drive by problem-based learning and case-based learning.</p> |
| Sensory Evaluation of Food | <p>Sensory Evaluation of Food module provides an overview of sensory science, including some human senses and how they are used in food sensory evaluation practices. Students will expose to various sensory analytical techniques used in evaluating characteristics of food and consumer acceptance. Interactive lectures and guided readings are used to facilitate communication between lecturer and students, and also to enhance students in comprehending the taught topics. Tutorials are designed to assist students to re-think the previous learning process for consolidating the key concepts. Hands-on practical sessions are used to supplement the lectures and to develop students' practical proficiency. The knowledge and skills obtained in this module equip students with a sound knowledge and skills to carry out relevant sensory evaluation of foods as well as the ability to discuss individual differences in perception. Students will be graded through their sensory lab test, sensory report writing, reflective writing and final examination assessment tasks. Several formative assessments activities (quizzes, oral questioning, one-minute paper, self-assessment, hand in, pass out etc) will be carried out to build students' confidence, expectations and accelerate their achievements.</p> |
| Asian Patisserie and Desserts | <p>This module is an overview of the dessert and bread of throughout Asian continents focusing on South East Asian Countries. Emphasizing on the use of native ingredients and cooking techniques which define the originality of traditional recipes such as Malay, Chinese, Indian, Baba and Nyonya, etc.</p> |

SCHOOL OF LIBERAL ARTS & SOCIAL SCIENCES
BACHELOR OF PSYCHOLOGY (HONS)

| No | Module Code | Module Title | Credit Hours | Prerequisites |
|----|-------------|--------------------------------------|--------------|-----------------------|
| 1 | PSY60204 | Introduction to Psychology | 4 | - |
| 2 | PSY60304 | Human Personality | 4 | - |
| 3 | PSY60504 | Biological Psychology | 4 | - |
| 4 | STA60404 | Quantitative Methods 1 | 4 | PSY62104 |
| 5 | PSY60804 | Social Psychology | 4 | |
| 6 | PSY61604 | Qualitative Methods | 4 | PSY62104 |
| 7 | PSY60404 | Learning and Motivation | 4 | - |
| 8 | PSY62104 | Research in Psychology | 4 | - |
| 9 | PSY60604 | Developmental Psychology | 4 | PSY60204 |
| 10 | PSY60704 | Abnormal Psychology | 4 | PSY60204, PSY60304 |
| 11 | PSY61204 | Psychological Tests and Measurements | 4 | STA60404 |
| 12 | STA60504 | Quantitative Methods 2 | 4 | STA60404 |
| 13 | PSY61104 | Cognitive Psychology | 4 | PSY62104 |
| 14 | PSY61804 | Cross-cultural Psychology | 4 | - |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
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| Introduction to Psychology | The subject is designed to provide the students with an understanding of the basic concepts of psychology. It will provide an informative background to the study of behaviour and mental processes. A general overview of the areas of psychology and the development of findings through research will be covered. The topics outlined will incorporate a broad conceptual framework of psychology and illustrative examples will be covered to provide key important analyses. |
| Human Personality | The subject is designed to provide the students with an understanding of human personality. It will provide an informative background to the study of varying personality types in individuals and groups. The topics outlined will incorporate a broad conceptual framework of psychology and illustrative examples will be covered to provide key important analyses. |
| Biological Psychology | The subject is designed to provide the students with an understanding of bio-psychology. It will provide a broad conceptual framework of brain functions and how the brain influences behaviour. A general overview of the various areas of bio-psychology will be covered. The topics outlined will incorporate an understanding of the biological make-up of an individual and illustrative examples will be covered to provide key important analyses. |
| Quantitative Methods 1 | The goals of the module are to introduce basic concepts and scientific methodologies in psychology. The module will look into the various designs of scientific research conducted in psychology whilst taking into account the validity, rationale and ethical considerations of each. Students will learn on how to conduct and evaluate psychological research. Emphasis will be placed on understanding traditional research methods, applying sound experimental techniques in order to produce |

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| | interpretable and reproducible results, and evaluating published scientific claims. |
| Social Psychology | The goals of the course are to introduce basic concepts and methods in social psychology, offers opportunities to perform research studies and encourage applications of concepts. Throughout the semester, we will cover various topics such as attribution, social thinking, the self, attitudes, prejudice, love, helping, and group processes. Beyond simply learning the facts associated with these topics, the primary goal of the course is for students to learn to apply the course content to improve their rational thinking, problem solving and decision making for study at tertiary level and in everyday life. |
| Qualitative Methods | The goal of the module is to introduce the basic concepts and philosophical paradigms of the qualitative research design in psychology. The module will look into the various approaches in qualitative research, with focus on Phenomenology whilst taking into account the validity, rationale and ethical considerations of each. Students will learn on how to conduct and analyse phenomenological psychological research. Emphasis will be placed on understanding and applying sound qualitative research strategies in order to produce interpretable and reproducible results. |
| Learning and Motivation | The subject is designed to provide the students with an understanding of the principles of learning, behaviour, and motivation. Students will be exposed to the scientific study of learning such as classical and operant conditioning, reinforcement and punishment, observational learning, as well as the human aspects of learning and motivation pertinent to student experience including goal setting, time management, regulation of emotions and environment, and the generalization and limits of learning. |
| Research in Psychology | The subject is designed to provide the students with an understanding of basic research in Psychology. Focusing on the understanding of various research designs, SPSS applications and APA formats and writing styles. Students will be exposed to critical skills that are necessary for professional psychological research. Guided learning is the main approach of this module. |
| Developmental Psychology | This course is designed to introduce students to the milestones of human development from conception to death. They will be able to describe the physical, cognitive, and social growth of people with special attention to various cultural contexts of development and the rich diversity of individuals. The content is drawn from research and theories in developmental psychology. Students are expected to integrate their personal experiences, knowledge of psychology, and their observations of human development with the content of this course. In addition are discussions of the implications of parenting, education, and social policy-making so that they can apply course information to meaningful problems. |
| Abnormal Psychology | The subject is designed to provide the students with an understanding of abnormal psychology. It will provide an integrative understanding of the biological and psychological processes of mental disorders. A general overview of the interactions of human beings with their physical and social environments will be covered. The topics outlined will incorporate a broad conceptual framework of abnormal psychology and illustrative examples of psychological disorders such as depression, schizophrenia, anxiety, obsessive-compulsive disorder will be covered to provide key important analyses. |
| Psychological Tests and Measurements | The subject is designed to provide the students introduction to basic measurement issues in assessment of individual differences. It will |

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| | provide a comparative analysis and critical evaluation of these approaches along with issues and controversies related to measurement, assessment and diagnosis. The topics outlined will incorporate a broad conceptual framework of psychological assessment and illustrative examples will be covered to provide key important analyses. |
| Quantitative Methods 2 | This course introduces concepts and procedures related to the measurement and analysis of psychological variables. The main goal of this course is for students to understand the data of psychology and the appropriate selection and use of statistical tools to describe and evaluate results of psychological research. This course will also prepare you to understand research results presented in future Psychology courses and to participate in research projects. |
| Cognitive Psychology | The subject is designed to provide the students with an understanding of cognitive development. It will provide an informative background to the study of human cognition. A general overview of the various facets of human intelligence, memory, reasoning and thinking processes will be covered. The topics outlined will incorporate a broad conceptual framework of psychology and illustrative examples will be covered to provide key important analyses. |
| Cross-cultural Psychology | The subject is designed to equip students with contemporary theory and research on cross-cultural psychology and the methodological challenges faced when bringing a cultural level of analysis to human behavior. It will provide a general overview of basic and complex psychological processes in the cross-cultural context. The topics outlined will incorporate research findings, theoretical framework and application based on these developments and illustrative examples will be covered to provide key concepts. |

BACHELOR OF PERFORMING ARTS

| No | Module Code | Module Title | Credit Hours |
|----|-------------|--|--------------|
| 1 | VSA63904 | Introduction to Acting | 4 |
| 2 | VSA62304 | Fundamentals of Choir Performance | 4 |
| 3 | VSA62404 | Fundamentals Mechanics of Filmmaking | 4 |
| 4 | LAS60304 | Introduction to Dance and Creative Processes | 4 |
| 5 | LAS60704 | Introduction to Creative Writing | 4 |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
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| Introduction to Acting | This module introduces the fundamentals of acting for the stage, screen and as a foundation to write academically on the subject. Students will be introduced to the main components of acting; the body, voice and speech, and text analysis. At the end of the course, students should be able to utilize acting fundamentals for practical work on stage or screen. They should also be able to analyse and comment on stage and screen performances, orally and in writing. The students in this module will be assessed on their on-going practical assessments, and a final written report on a selected stage/ screen performance. |
| Fundamentals of Choir Performance | In this module students will demonstrate proficiency reading music using standard notation and performing pieces that illustrate a variety of genres, skills, and techniques including augmentation and diminution, pitch, meter, rhythm, tone, expression and dynamics, and articulation and diction. Students will also explore musical samples via listening to enhance the ability to identify and describe elements in music specifically. Audio and Video materials are accessible via TIMEs where students are encouraged to apply self-learning activities. Flip classroom are widely applied in this module to utilise learning times in class where practical activities will be conducted with face-to-face guidance by the lecturer. Students will be assessed through a variety of methods including writing assignment, online quizzes, group performance and practical tasks in clas as well as online. The learning and teaching approach will utilise teacher demonstration of singing techniques, which students will explore individually, and in groups. This free elective modules does not required pre requisite module of prior knowledge in music, hence students are required to apply self-learning method and strategy throughout this course. |
| Fundamentals Mechanics of Filmmaking | In this module students will be introduced to the world of filmmaking from the foundational standpoints which revolves around the basics of film history, genre, and technique. This in turn will give them a wider perspective into the world of performing arts and enrich them with the skillsets of critical and creative thinking, understanding the basic connection between film and the culture that produced it and have a basic working knowledge of critical theory. Students will be assessed |

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| | through group presentations and a short film production. |
| Introduction to Dance and Creative Processes | <p>The Introduction to Dance and Creative Processes is a practical module to introduce students to the basic skills of dance. Students will experience and explore in practical dance classes ranging from western dance disciplines of ballet, contemporary dance, jazz dance, to the diverse Malaysian cultural dances; rehearsal, performing skill, dance composition and it's relation to other artistic disciplines.</p> <p>This practical course will focus on nurturing confidence, concentration, creativity, ensemble collaboration, physicality, rehearsal skills, sensory and public performance ability. Students will be assessed through a variety of methods including studio works, group presentation and reflective journal. The learning and teaching approach will utilise teacher demonstration of dancing techniques which students will explore individually, with partners and in groups.</p> |
| Introduction to Creative Writing | <p>Introduction to Creative Writing is a writing workshop. This module involved writing, editing, revising, critical reading and critical discourse and discussion. Students will work independently on their writing, but are expected to read and discuss their work with their fellow students. Students will develop the confidence in writing their own and be able to be discerning enough to be critical of others' work in a way that is constructive and beneficial to their own writing as well. The lecturer's role is to facilitate as well as teach students the skills and discipline of writing.</p> |

SCHOOL OF EDUCATION
BACHELOR OF EDUCATION (HONS)

| No | Module Code | Module Title | Credit Hours |
|----|-------------|--|--------------|
| 1 | EDU60704 | Philosophy and Curriculum Design | 4 |
| 2 | EDU60904 | Learning, Assessment and Feedback | 4 |
| 3 | RES61204 | The Reflective Practitioner: Teachers Investigate Their Work | 4 |
| 4 | EDE60304 | Teaching Language Arts | 4 |
| 5 | EDM60204 | Measurement & Geometry | 4 |
| 6 | EDS60204 | Science - Energy and Interactions | 4 |
| 7 | EDS60304 | Nature of Science | 4 |

MODULE SYNOPSIS

| Module Title | Module Synopsis |
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| Philosophy and Curriculum Design | This course examines some major philosophical ideas that influence primary school education. These ideas extend from the Western secular tradition to Eastern perspectives. Looking through the lens of 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. One key intent is to enable the students to develop a personal educational philosophy. Another is to set the stage for exploring the notion of curriculum and ultimately figure out its design in a deep way. One important purpose for doing this is to enable students to have a firm grasp of what a school curriculum is all about, in particular its centrality in shaping student learning. Towards this end, the course will also 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. To illustrate with a real-world example, one example of a curriculum in use will also be analyzed. |
| Learning, Assessment and Feedback | The course focuses on the relationship between learning, assessment and feedback. It will first explore the nature learning, the major theories advanced to account for how it happens and the domains involved. The analysis will then be linked to assessment, subsequently extended to include the principles, standards, procedures and practice of good assessment. In the mix too will be the key assessment concepts and the pivotal issues of validity, reliability, fairness and usability, and the critical roles played by assessment in supporting, enhancing and sustaining learning. The role dimension will then become the springboard to explore the different approaches to assessment – of, for and as learning – and their connections to effective learning and teaching. Also in connection with role dimension, the course will also focus on the critical roles of feedback, the importance of diversity of assessment processes and instruments (vis-à-vis traditional and alternative assessment), transparency and explicitness of assessment criteria and scoring as well as contemporary issues in assessment. |

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| <p>The Reflective Practitioner: Teachers Investigate Their Work</p> | <p>This is the first of the two modules that focus on classroom research. Students will be introduced to action research theory and practice in relation to teaching in primary schools. They will learn a range of classroom-based research methods to develop their capacity to conduct a small-scale action research to address a problem in a teaching context. Having this capacity will enable the students to systematically examine and gain deeper insights into the workings of a school, and develop as reflective practitioners and researchers. Topics that will be covered in this module include the selection, framing and justification of a research problem, review of literature, different methods used in classroom-based research, the process of data collection and analysis, developing and writing research proposal, and ethical issues in classroom research.</p> |
| <p>Teaching Language Arts</p> | <p>This module introduces students to incorporating language arts in teaching English Language in primary schools. Integrating the language arts means that the elements of literacy are developed and taught with a set of common experiences and using pieces of authentic literature. It exposes students to the aims of integrating the language arts in primary school English Language. It also analyses how the learning environment, that is, the classroom is organised based on the different genres of language arts. Students will learn the criteria for selecting fiction and non-fiction in relation to prose, poetry, drama, songs and biographies for the English Language classroom. Students will also learn to design activities and assessment tasks based on genres related to the language arts.</p> |
| <p>Measurement & Geometry</p> | <p>This course introduces students to measurement and geometry in primary school mathematics. It exposes students to the aims of teaching measurement and geometry in primary school mathematics, the key ideas and concepts in measurement and geometry at primary level, and the notion of geometrical thinking. It also analyses the organisation of contents in measurement and geometry in the primary mathematics curriculum and research on the learning of measurement and geometry at the primary level. Students will also learn how to solve and design problems related to measurement and geometry at primary level taking into consideration the mathematical thinking and processes involved in the context of learning to be competent at teaching measurement and geometry in primary school.</p> |
| <p>Science - Energy and Interactions</p> | <p>This module introduces students to the themes of energy, forces and interactions in the primary science subject. It exposes students to the aims of teaching energy, forces and interactions in primary school and what are energy, forces and interactions at primary level. It also discusses the organization of energy, forces and interactions in primary science curriculum and research on the learning of these three themes at primary level. Students will also learn how to solve problems related to energy, forces and interactions at primary level to be competent at teaching them in primary school.</p> |
| <p>Nature of Science</p> | <p>This module introduces students to the nature of science and its importance to be literate in science. It also exposes students to the stands of philosophers about the scientific inquiry and the scientific enterprise. Students will analyse nature of science in the context of primary science education standards and the role of teachers in imparting the sound understanding on nature of science to their future students will also be discussed. This module will also expose the students to the prevalent misconceptions on nature of science so that they can be competent at teaching science in primary school.</p> |