

ABOUT INTERNATIONAL ISLAMIC COLLEGE

International Islamic College (IIC) is a private higher education institution in Malaysia, wholly owned by International Islamic University Malaysia (IIUM). It is committed in becoming the preferred educational institution distinguished with overall excellence encompassing academic quality as well as spiritual piety.

IIC is recognized by the Ministry of Higher Education of Malaysia and the Malaysian Qualifications Agency, and is proud to be the first private College offering Open Distance Learning academic programmes.

Here at IIC, we put students' success at the heart of our mission, supporting every student from various backgrounds to achieve outstanding outcomes; preparing our students to thrive in their future endeavour.

VISION

To be the Premier, Integrated and Sustainable Higher Education Institution



MISSION

To offer holistic tertiary and vocational education in the region with world-class academic quality.

UNIQUE SELLING PROPOSITION

Nourishing Humanity Through Integrated Knowledge.

VALUES

P	Progressive
R	Responsible
I	Integrity
D	Discipline
E	Excellence

ABOUT FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY

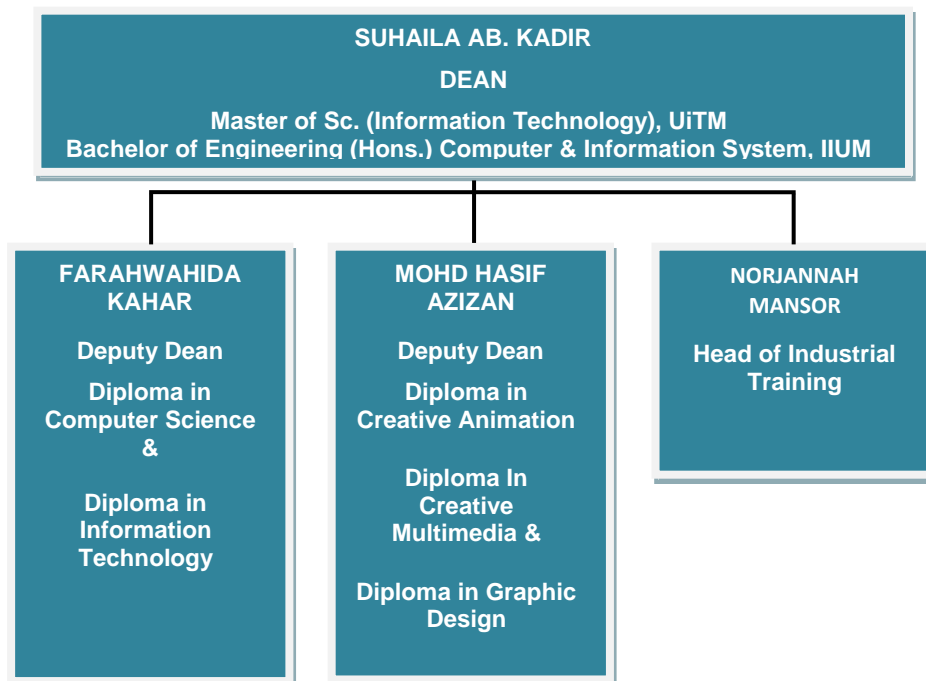
Faculty of Information Communication and Technology (FICT) has been around since the establishment of IIC itself in 2001. Starting from a humble beginning, the school is now well-equipped with professional and well-trained lecturers from various IT backgrounds as well as complete IT and arts equipment for all the programs offered; such as computer labs, drawing studio and photography studio. SICT believes in the spirit of discipline and creativity, as most subjects taught by the school demand critical thinking in problem solving and high discipline in their practice. It is our dream that one day we can serve as the best school in the IT related field in the region.

The school currently offers 5 diplomas programmes, which are:

1. Diploma in Computer Science
2. Diploma in Information Technology
3. Diploma in Creative Animation
4. Diploma in Graphic Design
5. Diploma in Interactive Multimedia

All students have to undergo Practical Training as part of the compulsory program requirement. Besides, we also offer IT subjects as an elective to students from all other courses in IIC.

ORGANIZATION CHART



ABOUT DIPLOMA IN COMPUTER SCIENCE PROGRAMME

Diploma in Computer Science (DCS) The aim of the program is to produce graduates with the competitive knowledge, principles, and skills in terms of theoretical and practical foundation for a career in the computer science field entering at the middle level. The graduates will be armed with adequate skills that would allow them to advance their careers into a profession in computing.

PROGRAMME EDUCATION OUTCOMES

Upon completion of the programmed, graduates will be able to:

- a. Demonstrate knowledge and comprehension on the fundamental theories and principles of computer science.
- b. Use the current techniques, skills and tools necessary in finding the solutions to the computer related problems appropriate to their level.
- c. Identify and propose the suitable solution to the computing problems with respect to the criteria relevant to the task.
- d. Possess the interpersonal skills relevant to the situation, personally and professionally.
- e. Use spoken, written and electronic media to communicate effectively in both formal and informal settings with colleagues, technical audiences and the general public.
- f. Apply the digital skills effectively, efficiently and appropriately
- g. Utilize the numeracy skills related to the computing field.
- h. Demonstrate leadership skills that are appropriate to employment.
- i. Apply the managerial and business perspectives in workplace and everyday activities and demonstrate entrepreneurial skills suitable to their position.
- j. Apply one's professionally, ethically, morally and adhere to the Islamic professionalism towards clients, employers, colleagues, self, the profession and the public.

ENTRY REQUIREMENTS

i. A pass in SPM with at least credit in any 3 subjects inclusive of Mathematics or any equivalent qualification;

OR

ii. A pass in Sijil Tinggi Persekolahan Malaysia (STPM), with a minimum of Grade C (GP 2.0) in any subject or any equivalent qualification and a credit in Mathematics at SPM level or its equivalent;

OR

iii. A pass in Sijil Tinggi Agama Malaysia (STAM) with a minimum grade of Maqbul (pass) and a credit in Mathematics at SPM level or its equivalent;

OR

iv. A pass in SKM Level 3, and a credit in Mathematics at SPM level or its equivalent;

OR

v. A pass in any qualifications equivalent to Certificate (Level 3, MQF) and a credit in Mathematics at SPM level or its equivalent.

Candidates without a credit in mathematics at SPM level or its equivalent may be admitted if the Certificate programme contains subjects in mathematics that are equivalent to mathematics at SPM level.

Candidate with a credit in computing related subject at SPM level or its equivalent may be given preferential consideration.

DCS PROGRAMME STRUCTURE AND MODULE OVERVIEW



FACULTY OF INFORMATION & COMMUNICATION TECHNOLOGY

LIST OF COURSES FOR DIPLOMA IN COMPUTER SCIENCE (DCS) for matric no starting DCS201XXX and above						
MQA COMPULSORY COURSES						
NO	COURSE CODE	COURSE NAME	CREDIT HOURS	CONTACT HOURS	OFFERED BY	PRE-REQUISITE
1	MPU2163	MALAYSIAN STUDIES (TO BE TAKEN BY LOCAL STUDENTS)	3	3	SOSS	
	MPU2133	BAHASA MELAYU KOMUNKASI 1 (TO BE TAKEN BY INTERNATIONAL STUDENT)			CEL	
2	MPU2213	BAHASA KEBANGSAAN A (TO BE TAKEN BY LOCAL STUDENT WHO DO NOT EARN CREDIT IN BAHASA MELAYU)	3	3	CEL	
	MPU2233 OR	PRESENTATION SKILLS			CEL	
	MPU2253 OR	PROCESS WRITING			CEL	
	**MPU2263	IT ESSENTIAL			SICT	
3	MPU2323 OR	POLITICAL SCIENCE	3	3	SOSS	
	MPU2343 OR	HUMAN RELATIONS			SOSS	
	**MPU2333	MEDIA & SOCIETY			SICT	
4	MPU2412	IBADAH CAMP (TO BE TAKEN BY LOCAL STUDENTS)	2	2	SOSS	
	MPU2422	INTERCULTURAL PROGRAM (TO BE TAKEN BY INTERNATIONAL STUDENTS)			SOSS	
TOTAL CREDIT HOURS FOR MQA COMPULSORY COURSES = 11						
COLLEGE COMPULSORY COURSES						
NO	COURSE CODE	COURSE NAME	CREDIT HOURS	CONTACT HOURS	OFFERED BY	PRE-REQUISITE
1	CES1231	ENGLISH FOR INTERMEDIATES STUDIES	3	3	CEL	
2	CES1232	ENGLISH FOR ADVANCED STUDIES	3	3	CEL	CES1231
3	CES2233	BUSINESS COMMUNICATION	3	3	CEL	CES1232
TOTAL CREDIT HOURS FOR COLLEGE COMPULSORY COURSES = 9						
CORE COURSES						
NO	COURSE CODE	COURSE NAME	CREDIT HOURS	CONTACT HOURS	OFFERED BY	PRE-REQUISITE
1	DCS1231	COMPUTER ORGANIZATION & ARCHITECTURE	3	3	SICT	
2	DCT1236	INFORMATION TECHNOLOGY FUNDAMENTALS	3	4	SICT	
3	DCS2231	OPERATING SYSTEM	3	3	SICT	DCS1231(COA)
4	DCS2234	INTRODUCTION TO DISCRETE MATHEMATICS	3	3	SICT	
5	DCT1234	STRUCTURED PROGRAMMING	3	4	SICT	
6	DCS2238	DATA STRUCTURE & ALGORITHM	3	4	SICT	DCT1234 (SP)
7	DCT2237	OBJECT ORIENTED PROGRAMMING	3	4	SICT	DCT1234 (SP)
8	DCS2239	ADVANCED PROGRAMMING	4	4	SICT	DCT2237(OOP)
9	DCS3241	MOBILE APPLICATION DEVELOPMENT	3	3	SICT	DCS2239(AP)
10	DCT1235	SYSTEM ANALYSIS & DESIGN	3	3	SICT	
11	DCS3233	SOFTWARE ENGINEERING	3	3	SICT	DCT1235(SAD)
12	DCT2232	INTRODUCTION TO DATABASE MANAGEMENT SYSTEM	3	4	SICT	DCT1235(SAD)
13	DCT2238	WEB APPLICATION DEVELOPMENT	3	4	SICT	DCT2232 (I2DBMS)
14	DCS2236	DATA & NETWORKING TECHNOLOGY	3	3	SICT	
15	DCS3231	INTRODUCTION TO CALCULUS	3	3	SICT	
16	DCS2232	HUMAN COMPUTER INTERACTION	3	3	SICT	
17	DCT2236	DIGITAL COMMERCE	3	3	SICT	
18	SOS2231	ETHICS IN DAILY LIFE	3	3	SOSS	
19	DCT3241	FINAL PROJECT	4	-	SICT	COMPLETED 78 CREDIT HOURS
20	DCT3242	PRACTICAL TRAINING	4	-	SICT	COMPLETED 89 CREDIT HOURS
TOTAL CREDIT HOURS FOR CORE COMPULSORY COURSES = 63						
ELECTIVE COURSES - TO CHOOSE ONE CONCENTRATION EITHER A OR B						
ELECTIVE A - DATA SCIENCE						
NO	COURSE CODE	COURSE NAME	CREDIT HOURS	CONTACT HOURS	OFFERED BY	PRE-REQUISITE
1	DES2235	PRINCIPLES OF ARTIFICIAL INTELLIGENCE	3	4	SICT	DCS2234 (I2DM)
2	DES2232	SOFTWARE ENGINEERING MODELLING	3	4	SICT	DCS3233 (SE)
3	DES3232	FUNDAMENTAL OF DATA SCIENCE	3	4	SICT	DES2235 (PAI)
ELECTIVE B - CYBER SECURITY						
1	DES2233	INFORMATION & NETWORK SECURITY	3	4	SICT	DCS2236 (DNT)
2	DES3233	PRINCIPLES OF DIGITAL FORENSICS	3	4	SICT	DES2233 (INS)
3	DES2237	SECURITY ASSESSMENT AND RISK MANAGEMENT	3	4	SICT	
TOTAL CREDIT HOURS FOR ELECTIVES = 9						

STUDY PLAN OF DIPLOMA IN COMPUTER SCIENCE

STUDY PLAN FOR DIPLOMA COMPUTER SCIENCE (MATRIC NO DCS201XXX and above)

		YEAR 1			YEAR 2			YEAR 3				
		Semester 1	Semester 2	Semester 3	Semester 1	Semester 2	Semester 3	Semester 1	Semester 2			
List of Subjects		ENGLISH INTERMEDIATE STUDIES CES1231 3 CREDIT HOURS	ENGLISH FOR ADVANCED STUDIES CES1232 PRE: CES1231 3 CREDIT HOURS	BUSINESS COMMUNICATION CES2233 PRE: CES1232 3 CREDIT HOURS	POLITICAL SCIENCE MPU2323 OR HUMAN RELATIONS MPU2343 OR MEDIA & SOCIETY MPU2333 3 CREDIT HOURS	ADVANCED PROGRAMMING DCS2239 PRE:DCT2237 3 CREDIT HOURS	MOBILE APPLICATION DEVELOPMENT DCS3241 PRE:DCS2239 4 CREDIT HOURS	FINAL PROJECT DCT3241 PRE:Completed 78 credit hours 4 CREDIT HOURS	PRACTICAL TRAINING DCT3242 PRE:Completed 88 credit hours 4 CREDIT HOURS			
		MALAYSIAN STUDIES MPU2163 OR BAHASA MELAYU KOMUNIKASI 1 MPU2133 3 CREDIT HOURS	BAHASA KEBANGSAAN A MPU2213 OR PRESENTATION SKILLS MPU2233 OR PROCESS WRITING MPU2253 OR IT ESSENTIAL MPU2263 3 CREDIT HOURS	INTRODUCTION TO CALCULUS DCS 3231 3 CREDIT HOURS	INTRODUCTION TO DATABASE MANAGEMENT SYSTEM DCT2232 PRE: DCT1 235 3 CREDIT HOURS	ELECTIVE 1 Elective A: PRINCIPLES OF ARTIFICIAL INTELLIGENCE DES2235 3 CREDIT HOURS PRE:DCS2234 OR Elective B: SECURITY ASSESSMENT AND RISK MANAGEMENT DES2237 3 CREDIT HOURS	ELECTIVE 2 Elective A: FUNDAMENTAL OF DATA SCIENCE DES3232 PRE:DES2235 3 CREDIT HOURS OR Elective B: INFORMATION & NETWORK SECURITY DES2233 PRE:DCS2236 3 CREDIT HOURS	ELECTIVE 3 Elective A: SOFTWARE ENGINEERING MODELING DES2232 PRE:DCS3233 3 CREDIT HOURS OR Elective B: PRINCIPLES OF DIGITAL FORENSICS DES3233 PRE:DES2233 3 CREDIT HOURS			Total Credit Hour Completed:	
		INTRODUCTION TO DISCRETE MATHEMATICS DCS2234 3 CREDIT HOURS	SYSTEM ANALYSIS & DESIGN DCT1 235 3 CREDIT HOURS	ETHICS IN DAILY LIFE SOS2231 3 CREDIT HOURS	DATA & NETWORKING TECHNOLOGY DCS2236 3 CREDIT HOURS	WEB APPLICATION DEVELOPMENT DCT2238 PRE:DCT2232 3 CREDIT HOURS	DIGITAL COMMERCE DCT2236 3 CREDIT HOURS	IBADAH CAMP MPU2412 OR INTERCULTURAL PROGRAM MPU2422 2 CREDIT HOURS				
		COMPUTER ORGANIZATION & ARCHITECTURE DCS1231 3 CREDIT HOURS	OPERATING SYSTEM DCS2231 PRE: DCS 1231 3 CREDIT HOURS		DATA STRUCTURE & ALGORITHM DCS2238 PRE: DCT1 234 3 CREDIT HOURS	SOFTWARE ENGINEERING DCS3233 PRE:DCT1 235 3 CREDIT HOURS						
		INFORMATION TECHNOLOGY FUNDAMENTALS DCT1 236 3 CREDIT HOURS	STRUCTURED PROGRAMMING DCT1 234 3 CREDIT HOURS		OBJECT ORIENTED PROGRAMMING DCT2237 PRE: DCT1 234 3 CREDIT HOURS	HUMAN COMPUTER INTERACTION DCS2232 3 CREDIT HOURS						
		USRAH: AM I A GOOD MUSLIM (MUSLIM) USR2001 OR CURRENT ISSUES (NON MUSLIM) USR2005	USRAH: PROFESSIONAL MUSLIM TO BE OR NOT TO BE (MUSLIM) USR2002 OR CULTURAL PERSEPECTIVE VIEW (NON MUSLIM) USR2006		USRAH: VIRTUE VS VICIES USR2003	USRAH: JUNIOR APPRENTICE USR2004						
CH Taken Per Sem	15	15	9	15	15	10	9	4	92			

ACADEMIC YEAR

The Academic Calendar

LONG SEMESTER	DURATION (Week)
Study Week	14
End of Semester Examination	1-2

The Programme Academic Year is divided into two semesters which are long and short semester.

SHORT SEMESTER	DURATION (Week)
Study Week	7
End of Semester Examination	1-2

CORE COURSE SYNOPSIS

MATAPELAJARAN UMUM (MPU)

MPU2163 - MALAYSIAN STUDIES

This course is offered for the first year diploma student. It will go down memory lane with its earliest history of the development, birth and growth of the Federation of Malaysia. It also includes the discussion on the ruling structure and the system of our government. This is to make an analysis on the main issues pertaining to the development and social issues of the country that also involve international participation. This course will end with the discussion of important happenings as well as the future challenges. It includes both theoretical and practical methods of study.

MPU2133 - BAHASA MELAYU KOMUNIKASI 1 (FOR INTERNATIONAL STUDENTS)

Kursus ini bertujuan membolehkan pelajar berkomunikasi dalam bahasa Melayu khususnya untuk situasi kehidupan harian pelajar antarabangsa di Malaysia. Penekanan awal tertumpu pada aspek sebutan sebelum kosa kata yang di sesuaikan mengikut konteks yang didedahkan. Penggunaan tatabahasa asas turut diselitkan dalam kemahiran berbahasa melalui pelbagai latihan dan kegiatan interaktif. Pada akhir tahap ini, pelajar boleh berinteraksi menggunakan bahasa Melayu dan dapat membaca serta memahami ayat mudah bahasa Melayu. Kursus ini juga turut menekankan aspek penyampaian idea tentang budaya masyarakat di Malaysia. Disamping itu, pelajar juga dapat membiasakan diri dengan bentuk pengucapan umum bahasa Melayu.

MPU2213 - BAHASA KEBANGSAAN A (FOR LOCAL STUDENTS WHO DO NOT EARN CREDIT IN BAHASA MELAYU AT SPM LEVEL)

Tujuan subjek ini diajar adalah untuk mendedahkan kepada para pelajar tentang dasar bahasa Melayu di negara ini dan penggunaan bahasa Melayu yang gramatis dan baik dalam pertuturan mahu pun dalam penulisan. Subjek ini mencakupi kemahiran lisan, membaca, menulis dan kemahiran aspek berbahasa seperti tatabahasa dan penggunaan gaya bahasa yang berlainan.

MPU2233 - PRESENTATION SKILLS

This course aims to develop the students' skills, knowledge and confidence in both formal and informal presentation situations e.g. meetings, training sessions and conferences. Students will have the opportunity to explore and practise key areas in both preparation and delivery of presentations through tutor input and group discussion.

MPU2213 - PROCESS WRITING

Focuses on developing essential writing skills at the sentence and paragraph levels. Emphasizes fluency in the writing process through use of invention strategies, drafting, revising, and editing in order to produce organized and coherent writing.

MPU2333 - MEDIA AND SOCIETY

This course will expose students to the importance of media, media influence and impact on society, whether in behaviour, understanding and development of society itself. This course also enables students to acquire sufficient understanding and knowledge in our media, culture, and society itself.

MPU2323 - POLITICAL SCIENCE

This subject offered to expose diploma students on important elements in political science and instil responsibilities in developing a civil society by understanding the important issues in political science.

MPU2343 - HUMAN RELATIONS

This course is an introduction to practical application of the principles and concepts of the behavioral science to interpersonal relationships in the business and industrial environment.

MPU2263 - IT ESSENTIALS

This course will provide a general introduction to Information Technology by looking at the various ways in which the technology has changed. The students will be exposed to the hardware component that formed a computer such as input devices and output devices. They would be able to differentiate between various types of computing devices and generally see the different groups of users. The students will also be introduced to the basics of computer systems and all the selected applications.

It will give a general overview of the computer, internet and the world wide web, its services and some of the internet netiquettes. Students shall be explained about the operating system, application software and utility program of a computer. They also will be exposed to the hardware components that formed a computer such as system unit, storage, input devices and output devices. In addition, students will have a brief explanation about the computer network and communication technologies as well as the computer security and privacy.

MPU2412 - IBADAH CAMP

This course is compulsory for all final semester students. The course is designed to assist local and international Muslim students in understanding the universal values and Islam as way of life. It covers all aspects of human life and organization, such as moral, ethics, knowledge, education, administration and culture. Theory and application methods are applied throughout the whole course.

MPU2422 - INTERCULTURAL PROGRAMME (FOR NON-MUSLIM)

This course is compulsory for all final semester students. The course is designed to assist international non-Muslim students in understanding the universal values and way of life. It covers all aspects of human life and organization, such as moral, ethics, knowledge, education, administration and culture. Theory and application methods are applied throughout the whole course. To expose the students with the practical activities related to community services, acts of worship and personality development.

ETHICS IN DAILY LIFE

This course is for students in year two onwards. The course provides student with general understanding on Islamic ethics which focuses on core Islamic ethical concept, family ethics, Islamic ethics as applied in different profession and inter-personal ethics. Both theoretical and practical approaches applied.

COLLEGE COMPULSORY COURSES

CEL1231 - INTERMEDIATE ENGLISH 1

This course is the beginning of English courses. It focuses on the extension skills of English, in grammar, reading, speaking and listening, as well as writing. It offers an extended approach to learn new vocabulary by focusing on key, high-frequency items, avoiding unnecessary overload and the grammar syllabus introducing past, present, and future time. The course has higher proportion of speaking activities, maintaining the balance between communicative and more traditional approaches and it staged step-by-step approach building on students' skills and confidence.

CEL1232 - INTERMEDIATE ENGLISH 2

This course is the continuation of the previous English course. It focuses on the extension skills of English, in grammar, reading, speaking and listening, as well as writing. It offers new angles on the syllabus to be covered in reading texts and listening. The vocabulary syllabus focusing on stress and pronunciation of words. The course will help students produce more interesting and accurate writing and provide a mixture of explanation and self-check tasks for grammar syllabus.

CEL2233 - ADVANCED ENGLISH 1

This course is the continuation of the previous English courses. It focuses on thorough skills syllabus, with all four skills systematically developed and integrated through related tasks. It offers Clear, structured approach to grammar where students are encouraged to work out the rules for themselves. It offers an extensive work on vocabulary which concentrates on three key areas: learning new words in lexical sets; acquiring good habits for learning vocabulary; and developing vocabulary 'systems' such as sound and spelling relationships. The course also focuses on integrated skills work where the reading and listening activities contextualize and bring together much previously introduced language. The writing syllabus helps to develop students' written English in a range of situations and registers.

CEL2334 - ADVANCED ENGLISH 2

This course is the continuation of the previous English courses. It focuses on thorough skills syllabus, with all four skills systematically developed and integrated through related tasks. It offers Clear, structured approach to grammar where students are encouraged to work out the rules for themselves. It offers an extensive work on vocabulary which concentrates on three key areas: learning new words in lexical sets; acquiring good habits for learning vocabulary; and developing vocabulary 'systems' such as sound and spelling relationships. The course also focuses on integrated skills work where the reading and listening activities contextualize and bring together much previously introduced language. The writing syllabus helps to develop students' written English in a range of situations and registers.

CEL3231 - BUSINESS COMMUNICATION

The purpose of this module is to develop the students' use of English in a business environment. It aims to introduce the students to a wide range of appropriate terminology and functional language so that they can operate confidently in an office or business environment. By working with authentic tasks, the students will develop their business skills to include telephoning, negotiating, selling, interpreting financial documents, writing business correspondence and giving presentations.

CORE COURSES

COMPUTER ORGANIZATION & ARCHITECTURE

The course emphasizes the computer architecture. Among the topics included Computer functions, memories, computer arithmetic, instruction sets and CPU structure and function.

OPERATING SYSTEM

This course is designed to provide individuals with complete introduction to operating system concepts and terminology. The purpose of this subject is to expose the students with the different type of operating systems such as windows and Linux.

HUMAN COMPUTER INTERACTION

This course presents a broad introduction of HCI and its related discipline. The students will be taught about the principles of interaction design and required to construct an interface for a website or system following the principles taught from the subject. Student also required understanding about evaluation method and DECIDE framework to guide through evaluation method.

INTRODUCTION TO DISCRETE MATHEMATICS

This course provides mathematical foundations which are frequently used in information and communication industry. It stresses on the mathematical reasoning and the different ways problems are solved. The course emphasis on five elements of mathematical perspectives that is mathematical reasoning, combinatorial analysis, discrete structures, algorithm thinking and applications.

PRINCIPLES OF ARTIFICIAL INTELLIGENCE

This course elaborates the basic concept of Artificial Intelligence including problem solving and learning in artificial Intelligence.

DATA & NETWORK TECHNOLOGY

This course introduces students to the fundamental concept in data communication and networking. At the beginning of the lesson, students will be introduced to several terminologies in data communication and networking. Next, students will learn on the concept of network model. Then, student will be introduced to the signaling model involve in data communication, which rely on either analog or digital signal. Lastly, they will be introduced to the technologies (media and IP addressing) used within a network.

DIGITAL COMMERCE

This course is designed as an introduction to the rapidly evolving world on creative new venture in internet commerce by equipping the students with technology and innovation in business and preparing a business plan.

DATA STRUCTURE & ALGORITHM

This course is designed to provide individuals with a basic understanding of data structure and algorithms and to build the necessary skills to ensure that information technology is an advantage in whatever path the student chooses. The student will learn how to represent data in a program by applying the suitable data structures such as the arrays, pointers, structure, stack, queue, linked list, binary tree and graph. Students are also exposed to the algorithms such as recursion, sorting and searching that are

very important in information management.

OBJECT-ORIENTED PROGRAMMING

This course aims at firstly reviewing the structured programming aspects of Java programming language, and then understanding the object-oriented concepts and learn their application. Upon completion of this course, students should be able to create applications using Java and make use of the object-oriented paradigm in their programs. They should also be able to make simple graphical user interfaces for their programs.

INTRODUCTION TO CALCULUS

This course provides mathematical foundations for studying a scientific discipline. It stresses the grey area of mathematics which is used in various applications including computer science. It also provides a solid grounding in mathematics sufficient to understand a range of computer science topics and to act as a foundation for further study of mathematics relevant to computer science. The course emphasis on five major topics that is functions and graphing, limits, differential, application of derivatives, integral and application of integrations.

SOFTWARE ENGINEERING

This course is designed to introduce the students to the basic of software engineering which help them to know and understand what are the methodologies, techniques and concept of developing software. It consists of planning and management, analysis, design, testing and methods of software development.

STRUCTURED PROGRAMMING

This course introduces the Structured Programming Language using C++. At the beginning of the lesson, students will be taught on the concept of programming language. Then, the students will be introduced to the programming tools for coding the program, and other basic components of C++ such as variables and operators. The students will learn the three program control structures of structured programming: sequential, selection and repetition. Students will also learn the standard C++ library functions and other user-defined functions. Lastly, they will be introduced to arrays and structure.

SYSTEM ANALYSIS & DESIGN

The course provides student with the knowledge of system development and introduces them to methodology in system construction. The course also introduces system requirement analysis as well as process and data model construction. The course includes the fundamental of interface design principle as part of system development knowledge completion.

INFORMATION TECHNOLOGY FUNDAMENTALS

The course begins by providing a general introduction to Information Technology. The students will be exposed to the hardware component that formed a computer such as input devices and output devices. The students will also be introduced to the basic of computer system and all

theselectedapplications.Thestudents will use the word processor application which covers creating and editing document, formatting and applying additional features to the word document. Spreadsheet application covers creating spreadsheet document, formatting, editing worksheet, creating charts and formatting the chart. Presentation application covers creating new presentation, formatting slide content and applying slide animations and transitions. The students will be assessed by several tests, lab tests and written examination. At the end of the semester they have to present their presentation document as part of the assessment in order to improve their communication skills.

INTRODUCTION TO DATABASE MANAGEMENT SYSTEM

This course is designed to provide individuals with a basic understanding of database concepts and to build the necessary skills to ensure that information technology is an advantage in whatever path the student chooses. The student will learn how to design and create the structure for computerized database and enter and edit data in the database. The student will also learn to locate specific information, create forms and reports and link multiple tables. This course teaches students the basic database elements, good database design, Microsoft Access tools, and database maintenance and security, among many other skills.

WEB APPLICATION DEVELOPMENT

This course is designed to introduce students on the basic concepts of web application development. At the beginning of the lesson, students will be taught on the concept of web development and scripting techniques. This course should help the student to develop rudimentary skills for developing static, dynamic and attractive web application. The students will be assessed by several types of assessment which are assignments (individual and group) programming tests and written examination (quizzes and final exam). Throughout the semester, students have to present their group assignments as part of the assessment in order to improve their communication skills.

FINAL PROJECT

This course provides students the opportunity to practice the theoretical and skills that have been acquired throughout their studies. Students must prepare a proposal for IT related topics of their choice. The proposal must be feasible to be approved by their supervisors. The student may use any relevant tools to complete their project. Students need to show the progression of the project, present the completed project and submitted final report their supervisor.

PRACTICAL TRAINING

Practical training is a type of apprenticeship related to the students' field of study. The students need to undergo this practical training after they have completed more than 87 credit hours. It is a compulsory for the students of School of Communication and Technologies to complete this course. This practical training carries 4 credit hours which will be included in the cumulative grading percentage average (CGPA). During practical training, students will be assigned two supervisors;

Academic Supervisor (lecturer who will evaluate coursework of the students during practical training) and Company Supervisor (personnel in the company who will foresee the students during practical training at the company). Meanwhile, students who are unable to get the placement with certain condition will do the Home-Based Project. Students must produce project during practical training. The areas of the project are multimedia, system and network. Student will decide what the scope of their project is, and the evaluation from Academic Supervisor is depending on the chosen scope. During practical, student must submit the project proposal and progress of the project every month. At the end of practical, the students should be able to produce a full report on the developed project at the respective company and required to do a presentation based on their project.

MOBILE APPLICATION DEVELOPMENT

This course introduces students to programming technologies, design and development related to mobile applications. Topics include introducing android, android application and user interface design essentials and common APIs for mobile applications using an OSSoftware Development Kit (SDK), specifically using Android Studio. Upon completion, students should be able to develop basic applications for mobile devices.

ETHICS IN DAILY LIFE

This course is for students in year two onwards. The course provides student with general understanding on Islamic ethics which focuses on core Islamic ethical concept, family ethics, Islamic ethics as applied in different profession and inter-personal ethics. Both theoretical and practical approach applied.

ADVANCED PROGRAMMING

This course is a continuance from Object Oriented Programming course which is important for the preparation of the students that have creative and innovative problem solutions using high level programming language. Upon completion of this course, students should be able to apply advance programming features using object oriented paradigm in their programs.

SOFTWARE ENGINEERING MODELING

This course covers object-oriented Modeling concepts and processes using Unified Modeling Language (UML). Topics include Modeling software system through structural (use case, class diagram) and interaction (activity and communication) diagrams.

FUNDAMENTALS OF DATA SCIENCE

This course will introduce students to this rapidly growing field and equip them with some of its basic principles and tools as well as its general mindset. Students will learn concepts, techniques and tools they need to deal with various facets of data science practice, including data collection and integration, exploratory data

analysis,

predictive modeling, descriptive modeling, data product creation, evaluation, and effective communication. The focus in the treatment of these topics will be on breadth, rather than depth, and emphasis will be placed on integration and synthesis of concepts and their application to solving problems.

SECURITY ASSESSMENT AND RISK MANAGEMENT

This course aims at imparting knowledge and skill sets required to assume the overall responsibilities of administration and management of security of an enterprise information system. It teaches students on how to conduct the step-by-step Information Security Plan within a business company. This subject covers issues related to administration and management of security of enterprise information systems. Topics include auditing and data management, risk management, contingency planning, incident handling and responses. This course will study in detail principles and tools related to security assessment and risk management topics. It will also cover security planning, evaluation process, and security standards.

INFORMATION & NETWORK SECURITY

This course introduces the information and network security problem from the theoretical and practical point of view. This course discusses the fundamental principles of network security. At the beginning, student will learn about basic concept related with information and network security. The student will be exposed about the possibilities of threats and attacks that may be launched by attacker. The students will learn about some of existing technology tools as a defender to secure the network environments. Lastly, student also will be taught about ethical issues in computing environment.

PRINCIPLES OF DIGITAL FORENSICS

This course guides students through conducting a high-tech investigation, from acquiring digital evidence to reporting its findings. It begins with the introduction to the computer forensics investigation process and the required tools for information recovery as well as the set up of forensic laboratory. This course also includes the investigation of file systems and then network evidences.

DCA CAREER PROSPECT

Successful completion of this diploma will enable IIC graduates to work in fields such as

- 2D Animator
- 3D Artist/Animator
- 3D Modeller
- Mocap Artist
- Rigging Artist and
- Visual Effect artist

STUDENT CODE OF CONDUCT

The purpose of the code is to monitor student's discipline. The code divides the offences into two categories, Minor offences and Major Offence

Minor Offences

- Smoking
- Illegal assemblies
- Breaching traffic rules
- Purposely missing lectures/activities
- Cleanliness
- Contempt of college authority
- Disrupting class, administrative work or activities

Penalty for Minor Offences

A student who is found guilty for a minor disciplinary offence shall adhere to the following disciplinary procedure.

- a) A written first warning shall be issued and a fine of RM10 shall be imposed by the Disciplinary Unit to the student informing the student of his or her offence and for the students to attend a meeting with the Disciplinary Unit within three days from the date of issuance of the first warning and the fine.
- b) If the student fails to meet with the Disciplinary Unit, a written second warning shall be issued to the student informing the student to meet with the Disciplinary Unit within three days from the date of issuance of the second warning and a fine of RM25 shall be imposed by the Disciplinary Unit.
- c) If the student fails to meet with the Disciplinary Unit for the second time, his or her failure to do so shall be considered as a major disciplinary offence and the student is subject to the punishment under rule 29.
- d) If the student commits the same offence for the third time on separate occasion, a fine of RM50 shall be imposed and a warning in writing shall be issued by the Disciplinary Unit to the student informing the student of his or her offence and for the student to attend a meeting with the Disciplinary Unit within three days from the date of issuance such warning and fine. If the student fails to meet with the Disciplinary Unit, his or her failure to do so shall be considered as a major disciplinary offence and the student is subjected to the punishment under rule 29.

- e) If the student commits the same offence for the third time on separate occasion, the offence shall then be considered as a major disciplinary offence and the student is subject to the punishment under rule 29.

Major Offences

- Reproduction of College Materials
- Indecent Behaviors (*Married couples please inform College)
- Vandalism
- Gaming
- Theft
- Drugs
- Drunk & Disorderly Behavior

Disciplinary Punishment for Major Offences

A student who is found guilty of a disciplinary offence shall be liable to any one or any appropriate combination of two or more of the following punishment:

- Reprimand (stern warning)
- A fine not exceeding RM200
- Suspension from study for a specified period
- Suspension from any or all of the facilities of the College for a specified period
- Exclusion from any part of the College for a specified period
- Exclusion from the College
- Undergoing counseling session(s)

STUDENT LEARNING SUPPORT SERVICES AND FACILITIES

ACADEMIC SERVICES

The Academic services of the International Islamic College comprises of three main departments, headed by the Director of Academic. The main objective of these departments is to assist students in academic matters, especially in the relation to academic performance. These departments are actively involved in planning, implementing and monitoring academic policies and procedure to create a conducive, efficient and effective administrative environment for students in the process of learning. These departments are:

- **Scheduling and Examination Department (SED)**

The main function of this department is to coordinate and conduct the centre examination including placement test, processing the results and facilitating appeals for the re-check of answers scripts and re-admission.

- **Admission & Students Records Department (ARD)**

The main function is to manage, select and evaluate applications for admission, while maintaining and updating student's personal files.

- **Academic and Accreditation Department (AAD)**

The main function is to introduce an effective quality assurance management into the college processes and operations including preparing the MQA documentation.

Service Hours : 8.30am – 5.30 pm

Venue : Level 1, West Wing, Academic Division – SED & ASR
 Level 2, West Wing, Academic Division – AMQC

TAN SRI DATO' SERI SANUSI JUNID LIBRARY

The library in IIC is known as Tan Sri Dato' Seri Sanusi Junid Library. The TSDSSJ Library that provides resources, services, and other related facilities include the discussion room, carrel desk, reading area, locker and etc to meet the teaching and learning. The services provided include as below:

- Circulation & Information Counter
- Discussion Room
- Reading Area
- Carrel Tables
- Activity Room
- Computer Lab and Internet Wireless
- Past Year Exam Paper Collection (PYEP)
- Online Public Access Catalogue (OPAC)
- Lockers

Operating Hours:

DAY	TIME
Monday - Friday	8.30am – 5.30pm
Monday – Friday (Ramadan)	8.30am – 4.30pm
Saturday, Sunday	CLOSED
Public Holiday	CLOSED

Venue: Level 1, West Wing, Tan Sri Dato' Seri Sanusi Junid Library

IT DEPARTMENT

Consultation Service: Service desk:

- Helping user solve problem and providing phone or direct consultation
- Creating user account, changing password, data request
- Troubleshooting all computer and network issue

Operation Hours:

Day	School Hour	Holiday
Monday to Friday	8:30am – 5.30pm	Closed

Saturday	Closed (*standby mode as per request)	Closed
Sunday	Closed (*standby mode as per request)	Closed

Internet Services

Operation hour: 24 hours

Regulation of Internet surfing

- College shall not be held accountable for user's misconduct on Internet surfing.
- Internet users shall not arbitrarily changes computer IP address, without permission from computer center network administrator or residential advisor.
- Internet users shall not develop their own website, which may be misused
- Slow down the speed of the network.

Venue: Ground Floor, East Wing, IT Department

STUDENTS AFFAIRS AND DEVELOPMENT DEPARTMENT (STADD)

The main objective of this division is to create awareness among the students on their role and functions as future leaders. It comprises of the following departments:

Counseling Service (Student Counseling Office)

Objectives:

- a. To enhance students' self-understanding, problem-solving ability, social relationship, self-discovery to become independent.
- b. To assist students in searching a job according to their strengths and interests to achieve their own goals in career development.
- c. To ensure the welfare and the wellbeing of the student is well taken care off.

Venue: Level 3, East Wing, Students Affairs and Discipline Division

Student Service Categories:

- a. **Individual and group counselling services**
Provide individual and group counseling to facilitate students to achieve self-understanding and self-growth in both life and work.
- b. **Job searching/hunting**
Assist students in searching jobs based on their strengths and interests.
- c. **Job searching information websites & notice boards**
Provide information of job vacancies and recruitments in the community.
- d. **Seminars & workshops**
Invite guest speakers or specialists to give talks and share their experiences with students.

Student Off-campus Accommodation:

Current IIC accommodation is provided by RG Hostel Management (RGHM) which also IIC's strategic business partner. IIC and RGHM work very closely to ensure students' accommodation, and welfare off campus is well taken care off. Thecurrent locations of RGHM accommodations service are as follows:

NO	HOSTEL
1.	M3 Mall Apartment

2.	Hostel Meranti
3.	Sentul Junction Residency

Transportation buses service is provided for students. Bus trips are based on the schedule of their respective classes.

Student Development Assistance

IIC offers various short courses or additional classes to build students' skills in various fields. Some courses are offered for free. The courses and extra classes are including:

- a. Workshops learning techniques
- b. Academic skills workshops such as writing skills, a study and the like.
- c. Personal development workshops such as Public Speaking, Grooming and Development, time management and etc.
- d. Technical assistance using the computer
- e. Seminars, Forums and Workshops organized from time to time on issues about their area of specialization, education and other issues.

Besides that, students can get academic advice through a variety of ways. IIC will provides an opportunity for students and open a discussion with students through individual and group meetings with the lecturer, course coordinator or Dean, who are scheduled each semester. These meetings aimed to get students respond directly and discuss the progress of students on academic matters. Apart from meetings, any student can make an appointment with the lecturer, course coordinator or Dean to discuss any problem

FINANCIAL SERVICES BY PTPTN

Perbadanan Tabung Pendidikan Tinggi Nasional (PTPTN) has listed IIC as Grade 'A' college since 2004. This is due to the fact that IIC has fulfilled and met the PTPTN requirements in terms of application, distribution of offer letters, confirmation of status as well as confirmation of payment to the students' accounts.

OTHER FACILITIES

- i. Cafeteria
- ii. Futsal Court
- iii. Badminton Court
- iv. Netball
- v. Music Lounge
- vi. Gym
- vii. Wireless Point / Computer Lab
- viii. Matric Card
- ix. Musolla
- x. IIC Great Hall

STUDENT RECEIVED

NAME:

DATE: