FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY BACHELOR OF INFORMATION SYSTEMS (HONS) INFORMATION SYSTEMS ENGINEERING - UCIA110101 **COURSE STRUCTURE GUIDE**

Year 1

Year 1 Trimester 1			
BIAFE04	ENGLISH ELECTIVE	Elective	3.0
LANGXXX 3	NATIONAL LANGUAGE/ OTHER LANGUAGES	Compulsor y	3.0
UCCD100 3	PROGRAMMIN G CONCEPTS AND DESIGN	Major	3.0
UCCD101 3	ANALYSIS AND DESIGN OF INFORMATION SYSTEMS	Major	3.0
UCCD120	DATABASE DEVELOPMENT AND APPLICATIONS	Major	3.0
UCCM133 3	INTRODUCTOR Y DISCRETE MATHEMATICS	Major	3.0
Total Credit Hours			18. 0

BIAFE04 ELECTIVE GROUP - Choose 1 Unit(s)

UALE1113 - ENGLISH FOR INFORMATION TECHNOLOGY

UALL1053 - CRITICAL READING AND THINKING

LANGXXX3 ELECTIVE GROUP - Choose 1 Unit(s)

MPW2113 - BAHASA KEBANGSAAN (A)

* FOR MALAYSIAN ONLY, WITHOUT SPM-BM CREDIT

MPW2123 - BAHASA KEBANGSAAN (B)

** FOR NON-MALAYSIAN ONLY

UALC1003 - INTRODUCTION TO CHINESE LANGUAGE I

***WITHOUT KNOWLEDGE OF CHINESE

LANGUAGE UALC1013 - INTRODUCTION TO CHINESE

LANGUAGE II

***HAVE CREDIT FOR CHINESE LANGUAGE IN UPSR AND PMR

UALC1023 - INTRODUCTION TO CHINESE LANGUAGE III

***HAVE CREDIT FOR CHINESE LANGUAGE IN

SPM, STPM OR UEC

UALF1003 - INTRODUCTION TO FRENCH

*** IF EXEMPTED FROM MPW2113

UALJ2013 - INTRODUCTION TO JAPANESE

*** IF EXEMPTED FROM MPW2113

UALM1003 - INTRODUCTION TO TAMIL LANGUAGE

*** IF EXEMPTED FROM MPW2113

UALT1003 - INTRODUCTION TO THAI LANGUAGE

*** IF EXEMPTED FROM MPW2113

Year 1 Trimester 2			
BIAFE01	MINOR ELECTIVE 1	Elective	3.0
MPW2133	PENGAJIAN MALAYSIA	Compulsor y	3.0
MPWE02	MPW ELECTIVE II	Compulsor y	3.0
UCCD102	DATA STRUCTURES AND ALGORITHMS	Major	3.0
UCCD113	INTRODUCTION TO COMPUTER ORGANISATION AND ARCHITECTURE	Major	3.0
UCCN100 3	DATA COMMUNICATIO NS AND NETWORKS	Major	3.0
USCC10X 2	CO-CURRICULAR UNITS	Major	2.0
Total Credit Hours		20. 0	

BIAFE01 ELECTIVE GROUP - Choose 1 Unit(s)

UBEA1013 - ECONOMICS

UBMH1013 - ORGANISATION AND HUMAN RESOURCE

UBMM1013 - MANAGEMENT PRINCIPLES

UBMM2013 - OPERATIONS MANAGEMENT UBMM2023 - ORGANISATIONAL BEHAVIOUR

MPWE02 ELECTIVE GROUP - Choose 1 Unit(s)

MPW2143 - PENGAJIAN ISLAM

MPW2153 - PENDIDIKAN MORAL Pre-Requisite Unit(s) for UCCD1023

1. UCCD1003 - PROGRAMMING CONCEPTS AND DESIGN

USCC10X2 CORE GROUP - Choose 1 Unit(s)

USCC1012 - COMMUNICATION SKILLS (ORAL

COMMUNICATION)

USCC1022 - COMMUNICATION SKILLS (WRITTEN COMMUNICATION)

USCC1032 - CRITICAL THINKING

USCC1042 - TEAMBUILDING AND LEADERSHIP

SKILLS

USCC1052 - EMOTIONAL INTELLIGENCE AT THE

WORKPLACE

USCC1062 - PROFESSIONAL ETHICS AND MANNERS

USCC1072 - THEATRE

USCC1082 - DEBATE

USCC1092 - MARTIAL ARTS

USCC1102 - MUSIC

USCC1112 - DANCE

USCC1122 - ENTREPRENEURSHIP

Year 1 Trimester 3			
BIAFE01	MINOR ELECTIVE 1	Electiv e	3.0
BIAFE05	LIBERAL ARTS ELECTIVE	Electiv e	3.0
UCCD123	WEB SITE DEVELOPMEN T	Major	3.0
Total Credit Hours			9. 0

BIAFE01 ELECTIVE GROUP - Choose 1 Unit(s)

UBEA1013 - ECONOMICS

UBMH1013 - ORGANISATION AND HUMAN RESOURCE

UBMM1013 - MANAGEMENT PRINCIPLES

UBMM2013 - OPERATIONS MANAGEMENT UBMM2023 - ORGANISATIONAL BEHAVIOUR

BIAFE05 ELECTIVE GROUP - Choose 1 Unit(s)

UALE1083 - BASIC PROFESSIONAL WRITING

UAMG1043 - INTERPERSONAL

COMMUNICATION

Year 2 Trimester 1			
UBMM101 1	SUN ZI'S ART OF WAR AND BUSINESS STRATEGIES	Majo r	1.0
UCCD2003	OBJECT-ORIENTED SYSTEM ANALYSIS AND DESIGN	Majo r	3.0
UCCD2013	HUMAN COMPUTER INTERACTION	Majo r	3.0
UCCD2033	SOFTWARE AND PROJECT MANAGEMENT	Majo r	3.0
UCCD2044	OBJECT ORIENTED PROGRAMMING PRACTICES	Majo r	4.0
UCCD2203	DATABASE SYSTEMS	Majo r	3.0
UCCN2003	TCP/IP INTERNETWORKIN G	Majo r	3.0
Total Credit Hours			20. 0

Year 2 Trimester 2			
UCCD2596	INDUSTRIAL TRAINING	Major	6.0
Total Credit Hours 6.0			
No. Donoticito E4 and dit become account for			

Pre-Requisite 54 credit hours earned for UCCD2596

Year 2 Trimester 3			
BIAFE02	MINOR ELECTIVE II	Electiv e	3.0
UCCA210 3	MANAGEMEN T INFORMATIO N SYSTEMS	Major	3.0
UCCD210	OPERATING SYSTEMS	Major	3.0
Total Credit Hours		9. 0	

BIAFE02 ELECTIVE GROUP - Choose 1 Unit(s)

UCCA3053 - KNOWLEDGE MANAGEMENT UCCA3063 - INNOVATION AND CREATIVE MANAGEMENT

UCCD3003 - ELECTRONIC COMMERCE

LICCD3033 - TECHNOPRENEURSHIP

UCCD3043 - COMPUTER LAW AND ETHICS

Pre-Requisite Unit(s) for UCCD2003

1. UCCD1013 - ANALYSIS AND DESIGN OF INFORMATION SYSTEMS

Pre-Requisite Unit(s) for UCCD2044

1. UCCD1003 - PROGRAMMING CONCEPTS AND DESIGN

Pre-Requisite Unit(s) for UCCD2203

1. UCCD1203 - DATABASE DEVELOPMENT AND APPLICATIONS

Pre-Requisite Unit(s) for UCCN2003

1. UCCN1003 - DATA COMMUNICATIONS AND NETWORKS

Year 3

Year 3 Trimester 1			
BIAFE01	MINOR ELECTIVE 1	Elective	3.0
BIAFE02	MINOR ELECTIVE II	Elective	3.0
BIAFE03	MAJOR ELECTIVE	Elective	6.0
UCCD3184	MOBILE APPLICATIONS DEVELOPMENT	Major	4.0
UCCD3583	PROJECT I	Major	3.0
Total Credit Hours			19.0

BIAFE01 ELECTIVE GROUP - Choose 1 Unit(s)

UBEA1013 - ECONOMICS

UBMH1013 - ORGANISATION AND HUMAN

RESOURCE

UBMM1013 - MANAGEMENT PRINCIPLES

UBMM2013 - OPERATIONS MANAGEMENT UBMM2023 - ORGANISATIONAL BEHAVIOUR

BIAFE02 ELECTIVE GROUP - Choose 1 Unit(s)

UCCA3053 - KNOWLEDGE MANAGEMENT UCCA3063 - INNOVATION AND CREATIVE

MANAGEMENT

UCCD3003 - ELECTRONIC COMMERCE

Year 3 Trimester 2			
BIAFE02	MINOR ELECTIVE II	Elective	6.0
BIAFE03	MAJOR ELECTIVE	Elective	3.0
UCCA3214	WEB TECHNOLOGIES	Major	4.0
UCCD3596	PROJECT II	Major	6.0
Total Credit Hours			19.0

BIAFE02 ELECTIVE GROUP - Choose 2 Unit(s)

UCCA3053 - KNOWLEDGE MANAGEMENT

UCCA3063 - INNOVATION AND CREATIVE

MANAGEMENT

UCCD3003 - ELECTRONIC COMMERCE

UCCD3033 - TECHNOPRENEURSHIP

UCCD3043 - COMPUTER LAW AND ETHICS

BIAFE03 ELECTIVE GROUP - Choose 1 Unit(s)

UCCD2023 - MULTIMEDIA TECHNOLOGY UCCD2053 - ARTIFICIAL INTELLIGENCE

UCCD2113 - INFORMATION SYSTEMS SECURITY

UCCD3113 - DISTRIBUTED COMPUTER SYSTEMS

UCCD3123 - MULTI-CORE PROGRAMMING

UCCD3213 - SOFTWARE ENGINEERING PRACTICES

Pre-Requisite Unit(s) for UCCD3123

1. UCCD1023 - DATA STRUCTURES AND

UCCD3033 - TECHNOPRENEURSHIP ALGORITHMS UCCD3043 - COMPUTER LAW AND ETHICS Pre-Requisite Unit(s) for UCCA3214 BIAFE03 ELECTIVE GROUP - Choose 2 Unit(s) 1. UCCD1233 - WEB SITE DEVELOPMENT UCCD2023 - MULTIMEDIA TECHNOLOGY Pre-Requisite Unit(s) for UCCD3596 UCCD2053 - ARTIFICIAL INTELLIGENCE 1. UCCD3583 - PROJECT I UCCD2113 - INFORMATION SYSTEMS SECURITY UCCD3113 - DISTRIBUTED COMPUTER SYSTEMS UCCD3123 - MULTI-CORE PROGRAMMING UCCD3213 - SOFTWARE ENGINEERING PRACTICES Pre-Requisite Unit(s) for UCCD3123 1. UCCD1023 - DATA STRUCTURES AND ALGORITHMS Pre-Requisite Unit(s) for UCCD3184 1. UCCD2044 - OBJECT ORIENTED PROGRAMMING PRACTICES Pre-Requisite 80 credit hours earned for UCCD3583 (Including Univeristy Wide or LAN Subjects)

REMARK: BACHELOR OF INFORMATION SYSTEMS (HONS) INFORMATION SYSTEMS ENGINEERING 201101 Intake

NOTE: A pre-requisite group number represents one pre-requisite unit subject.

If a pre-requisite group number has more than one units, choose one unit out of a group.