

# **Uganda Martyrs University**



## **Faculty of Science**

**Department of Computer Science and Information Systems**

**Revised Program - Diploma Computer Science and Information  
Technology**

**July, 2013**

## The Curriculum (Diploma Course Outline)

### FIRST YEAR – SEMESTER I:

Code	Course Name	LH	PH	CH	CU
DIPS 1101	Introduction to Computer Science and Information Technology I	30	30	45	3
DIPS 1102	Basics of Computing Mathematics	40	10	45	3
DIPS 1103	Introduction to Programming Methodology	30	30	45	3
DIPS 1104	Computer Architecture	40	10	45	3
DIPS 1105	Introduction to Operating Systems	30	30	45	3
<b>Total CU</b>					<b>15</b>

### FIRST YEAR – SEMESTER II:

Code	Course Name	LH	PH	CH	CU
DIPS 1201	Introduction to Computer Science and Information Technology II	35	20	45	3
DIPS 1202	Web Authoring (HTML and other Editors)	30	30	45	3
DIPS 1203	Computer Maintenance and Trouble Shooting	30	30	45	3
DIPS 1204	Discovery One (Networking Basics)	45		45	3
DIPS 1205	Database Planning and Management	30	30	45	3
<b>Total CU</b>					<b>15</b>

### SECOND YEAR – SEMESTER I:

Code	Course Name	LH	PH	FH	CH	CU
DIPS 2101	English Language and Communication Skills	30	30		45	3
DIPS 2102	Entrepreneurship and Innovation	43		10	45	3
DIPS 2103	Introduction to System Administration and Configuration	30	30		45	3
DIPS 2104	Programming Methodology II (PHP)	30	30		45	3
DIPS 2105	Introduction to System Analysis and Design	45			45	3
<b>Total CU</b>						<b>15</b>

### SECOND YEAR – SEMESTER II:

Code	Course Name	LH	PH	CH	CU
DIPS 2201	Development Research Project (Individual)	30	30	45	3
DIPS 2202	Computer Graphics and Animation	30	30	45	3
DIPS 2203	Information Systems E-Business and E-Commerce Fundamentals	42	6	45	3
DIPS 2204	Ethics in an Information Technology Environment	45		45	3
DIPS 2205	Programming Methodology III (VB.Net)	30	30	45	3
<b>Total CU</b>					<b>15</b>

### KEY:

LH : LECTURE HOURS  
 PH : PRACTICAL HOURS  
 FH : FIELD HOURS  
 CH : CONTACT HOURS  
 CU : CREDIT UNIT