Misurata University

Information Technology College

Internet Computing Program Curriculum 2018-2019

First Term

Course Code	Course Title	Credit	Theoretical	Tutorial	Lab.	Compulsory/Elective	Prerequisite
GS101	Mathematics I	3	3	0	0		-
GH121	English I	3	3	0	0		-
GI131	Programming I	3	2	0	2		-
GS111	General Physics	3	3	0	0		-
GS162	Fundamentals of Information Technology	3	2	2	0		-
	Total Units	15					-

Second Term

Course Code	Course Title	Credit	Theoretical	Tutorial	Lab.	Compulsory/Elective	Prerequisite
GS102	Mathematics II	3	3	0	0		GS101
GH122	English II	3	3	0	0		GH121
GI132	Programming II	3	2	0	2		GI131
GL242	Logical Design	3	2	2	0		-
GS271	Introduction to Probability and Stats.	3	3	0	0		-
GH151	Arabic Language	3	3	0	0		-
	Total Units	18					

Third Term

Course Code	Course Title	Credit	Theoretical	Tutorial	Lab.	Compulsory/Elective	Prerequisite
GH223	English III	3	3	0	0		GH122
GI213	Object Oriented Programming	3	2	0	2		GI132
CN220	Introduction to Computer Networks	3	2	2	0		-
IN215	Introduction to Internet Programming	3	2	0	0		-
MM211	Introduction to Multimedia	3	2	0	2		-
	Total Units	15					

Fourth Term

Course Code	Course Title	Credit	Theoretical	Tutorial	Lab.	Compulsory/Elective	Prerequisite
GS222	Linear Algebra	3	3	0	0		GS102
GI222	Database I	3	2	0	2		G1131/GI132
GI223	Computer Architecture	3	2	1	0		GI242
SE210	Introduction to Software Engineering	3	3	0	0		GI132
IS212	Introduction to Information Systems	3	3	0	0		-
IN227	Web Programming I	3	2	0	2		GI213
Total Units		18					

Fifth Terms

Course Code	Course Title	Credit	Theoretical	Tutorial	Lab.	Compulsory/Elective	Prerequisite
CS381	Data Structures and Algorithms	4	4	0	2		GI213
GS381	Numerical Analysis	3	3	0	0		G0S222
GS204	Discrete Math.	3	2	2	0		GS222
GI391	Project Management	3	3	0	0		-
	Elective Course	3	-	-	-	Elective	-
	Elective Course	3	-	-	-	Elective	-
Total Units		19					

Sixth Term

Course Code	Course Title	Credit	Theoretical	Tutorial	Lab.	Compulsory/Elective	Prerequisite
GI344	Operating Systems	3	2	0	2		GI223
IN325	Advanced Programming	3	2	0	2		GI213
IN342	Network Systems administration	3	2	0	2		C N224
IN314	Analysis and Design of web page	3	2	0	2		IS212/IN215
	Elective Course	3	-	-	-	Elective	-
	Elective Course	3	-	-	-	Elective	-
Total Units		18					

Seventh Term

Course Code	Course Title	Credit	Theoretical	Tutorial	Lab.	Compulsory/Elective	Prerequisite
IN412	Web Programming 2	3	2	0	2		IN227
GH425	Research Methods	2	2	0	0		-
IN431	E_ Services	3	2	0	2		IN314
GH100	Arabic Language	2	2	0	0		-
	Elective Course	3	-	-	-	Elective	-
	Elective Course	3	-	-	-	Elective	-
	Graduation Project Proposal	-	-	-	-		-
Total Units		16					

Eighth Term

Course Code	Course Title	Credit	Theoretical	Tutorial	Lab.	Compulsory/Elective	Prerequisite
IN414	Web Page Management	3	2	0	2		IN314/IN227
IN423	Rich Web Application	3	2	0	2		IN314
CI100	Religious Culture	2	2	0	0		-
	Elective Course	3	-	-	-	Elective	-
	Elective Course	3	-	-	-	Elective	-
	Graduation Project	4	-	-	--		-
Total Units		18					

Elective Courses

Course Code	Course Title	Credit	Theoretical	Tutorial	Lab.	Semester
CN316	Network Security	3	2	0	2	-
CN224	Advanced Computer Networks	3	2	0	2	-
CS333	Advanced Databases	3	2	0	2	-
CS465	Data Mining	3	2	0	2	-
CN311	Communication Theory	3	2	2	0	-
CS444	Data Security and Cryptography	3	2	2	0	-
CS453	Artificial Intelligence	3	2	0	2	-
MM416	Mobile Application Development	3	2	0	2	-
IS322	Ethical Concepts in IT	3	3	0	0	-
	Elective Course	3	-	-	-	-