

Faculty of Information Technology/Misurata University

Telecommunications and Networking Program Curriculum:

First Semester								
	Course Title	Course Name	Credit	Theoretical	Tutorial	Lab.	Compulsory /Elective	Pre-req
01	GS111	Mathematics I	3	2	2	0	C	.....
02	GS112	English I	3	2	0	2	C	.....
03	GI113	Programming I	3	2	0	2	C	.....
04	GI114	Physics	3	2	2	0	C	.....
05	GS115	Information Technology	3	4	0	0	C	.....
06	GH116	Arabic Language	3	4	0	0	C	.....
Semester Credit Hours			18					

Second Semester								
	Course Title	Course Name	Credit	Theoretical	Tutorial	Lab.	Compulsory /Elective	Pre-req
01	GS121	Mathematics II	3	2	2	0	C	GS 111
02	GH122	English II	3	2	0	2	C	GH 112
03	GI123	Programming II	3	2	0	2	C	GH113
04	GI124	Logic Design	3	2	0	2	C	.....
05	GS115	Into. to Probability & Statistics	3	2	2	0	C	GS 111
Semester Credit Hours			15					

Third Semester								
	Course Title	Course Name	Credit	Theoretical	Tutorial	Lab.	Compulsory /Elective	Pre-req
01	GS211	Mathematics III	3	2	2	0	C	GS 221
02	GH212	English III	3	2	0	2	C	GH 122
03	GI213	Object-Oriented Programming	3	2	0	2	C	GI 123
04	CN214	Into. to Computer Networks	3	2	0	2	C	GS215
05	IN215	Into. to Internet Programming	3	2	0	2	C	.....
06	MM216	Multimedia Technology	3	2	0	2	C	.....
Semester Credit Hours			18					

Forth Semester								
	Course Title	Course Name	Credit	Theoretical	Tutorial	Lab.	Compulsory /Elective	Pre-req
01	GS221	Linear Algebra	3	2	2	0	C	GS 211
02	GI222	Data base	3	2	0	2	C	GS 123
03	GI223	Computer Architecture	3	2	0	2	C	GI 124
04	CN224	Advanced Of Computer Networks	3	2	0	2	C	CN 214
05	IS225	Into. to Information System	3	4	0	0	C	-
06	CN226	Electrical and Electronic Circuits	4	4	0	2	C	GS111&GS114
Semester Credit Hours			19					

Fifth Semester

	Course Title	Course Name	Credit	Theoretical	Tutorial	Lab.	Compulsory /Elective	Pre-req
01	CN311	Communication Theory	3	2	0	2	C	GS 111&GS114
02	CS312	Data Structures and Algorithms	4	4	0	2	C	GS 213
03	GS313	Numerical Analyses	3	2	2	2	C	GS 221
04	CN314	Computer Networks Laboratory	3	2	0	2	C	CN 224
05	GS315	Discrete Math and Structures	3	2	2	0	C	GS 221
06	CN316	Network Security	3	2	0	2	C	CN 224
Semester Credit Hours			19					

Sixth Semester

	Course Title	Course Name	Credit	Theoretical	Tutorial	Lab.	Compulsory /Elective	Pre-req
01	GI321	Operating Systems	3	2	0	2	C	GI 223
02	CN322	Broadband Comm. Networks	3	2	0	2	E	CN 214&CN311
03	CN323	Network Administration	3				C	
04	CS324	Encryption and Data Security	3	2		2	C	CS 312
05	GI325	Project Management	3	4	0	0	E	IS 225
06	CN326	Optical Communications Networks	3				C	
Semester Credit Hours			18					

Seventh Semester

	Course Title	Course Name	Credit	Theoretical	Tutorial	Lab.	Compulsory /Elective	Pre-req
01	CN411	Wireless Networking	3	4	0	0	C	CN311&CN214
02	GH412	Technical Writing	2	2	0	0	C	Min 100 Credits
03	CN413	Telephony switching and VOIP	3				E	
04	CN414	Programming Networking apps.	3				E	
05	CN415	Seminar in Telecomm. & Networks	3				E	
06	CI100	Islamic Culture	2				C	.....
Semester Credit Hours			16					

Eighth Semester

	Course Title	Course Name	Credit	Theoretical	Tutorial	Lab.	Compulsory /Elective	Pre-req
01	CN421	Network Planning & Deployment	3	4	0	0	C	CN 323
02	CN422	Network Performance & Analysis	3	2	0	2	C	CN 323
03		Arabic Culture	2				C	.....
04		Breadth Course	3				C	Min 100 Credits
05	FP499	Project	4				C	Min 105 Credits
Semester Credit Hours			15					