Namal College Mianwali

Course Offering Report

Course Offering for: B.Sc Computer Science (Morning) 2018 (Fall)

Department: Computer Science (NCM)

Semester 1				
Course No	**Title**	**Credit Hrs TH + PR**	**Knowledge Area**	**Pre-requisite Courses (if any)**
CS-142	Programming Fundamentals	3.0+1.0	Computing	
CS-141	Introduction to Computing	3.0+1.0	Computing	
HU-102	Functional English	3.0+0	Humanities	
MA-123	Calculus	3.0+0	Natural Sciences	
PHY-111	Applied Physics	2.0+1.0	Natural Sciences	
ME-100L	Workshop Practice	0+1.0	Engineering Foundation	
Total		**18.0**		

Semester 2				
Course No	**Title**	**Credit Hrs TH + PR**	**Knowledge Area**	**Pre-requisite Courses (if any)**
CS-241	Object Oriented Programming	3.0+1.0	Computing	1. CS-142 Programming Fundamentals
CSE-221	Digital Logic Design	3.0+1.0	Engineering Foundation	
MA-116	Linear Algebra and Differential Equations	3.0+0	Natural Sciences	
CS-211	Discrete Mathematical Structures	3.0+0	Computing	
HU-104	Communication Skills	2.0+1.0	Humanities	
Total		**17.0**		

Semester 3				
Course No	**Title**	**Credit Hrs TH + PR**	**Knowledge Area**	**Pre-requisite Courses (if any)**
CS-212	Data Structures and Algorithms	3.0+1.0	Computing	1. CS-142 Programming Fundamentals

Course No	Title	Credit Hrs TH + PR	Knowledge Area	Pre-requisite Courses (if any)
HU-221	Technical Writing & Presentation Skills	3.0+0	Humanities	
CSE-222	Computer Organization and Assembly	3.0+1.0	Engineering Foundation	1. CSE-221 Digital Logic Design
MA-256	Probability and Statistical Processes	2.0+0	Natural Sciences	
CSEL-251	Professional Practices in Software Development	3.0+0	Professional Practice and Communication Tools	
Total		**16.0**		

Semester 4				
Course No	**Title**	**Credit Hrs TH + PR**	**Knowledge Area**	**Pre-requisite Courses (if any)**
CS-363	Database Systems	3.0+1.0	Computing	
MA-224	Multivariate Calculus	3.0+0	Natural Sciences	
CS-311	Analysis of Algorithms	3.0+0	Computing	1. CS-212 Data Structures and Algorithms
CS-312	Theory of Automata and Formal languages	3.0+0	Computing	
CS-362	Operating Systems	3.0+1.0	Computing	1. CS-212 Data Structures and Algorithms
Total		**17.0**		