



Obaid Noor Institute of Medical Sciences

Course Outline

BS CS

-

1st Semester

Subject-code	Subject Name	Credit Hours
CMPC-5201	Programming Fundamentals	4 (3-3)
URCG-5123	Application of Information Communication Technologies	3 (2-3)
URCQ-5101	Discrete Structures	3 (3-0)
URCQ-5102	Calculus and Analytic Geometry	3 (3-0)
URCG-5118	Functional English	3 (3-0)
BUSB-6101	Introduction to Marketing	3 (3-0)
URCM-5107	*Mathematics-I	0(3-0)
CMPC-5202	Object Oriented Programming	4 (3-3)

2nd Semester

Subject-code	Subject Name	Credit Hours
CMPC-5203	Database Systems	4 (3-3)
CMPC-5204	Digital Logic Design	3 (2-3)
MATH-5101	Multivariable Calculus	3 (3-0)
MATH-5102	Linear Algebra	3 (3-0)
URCG-5128	Pakistan Studies	2(2-0)
URCG-5111	Translation of Holy Quran-I	0 (1-0)
URCM-5108	*Mathematics-II	0(3-0)

3rd Semester

Subject-code	Subject Name	Credit Hours
CMPC-5205	Data Structures	4 (3-3)
CMPC-5207	Artificial Intelligence	3 (2-3)
CSDE-5204	Advance Programming Lab	3 (0-9)
CSDE-5202	Web Technologies	3 (3-0)
CMPC-5209	Computer Organization & Assembly Language	3 (2-3)
CMPC-5101	Software Engineering	3 (3-0)

4th Semester

Subject-code	Subject Name	Credit Hours
CMPC-5206	Information Security	3 (2-3)
CSDE-6202	Mobile Application Development-I	3 (3-0)
DSDE-5102	Database Administration and Management	3 (2-3)
URCG-5105 / 5126	Islamic Studies / Ethics	2 (2-0)
CSDC-5101	Theory of Automata	3 (3-0)
URCG-5118	Expository Writing	3 (3-0)
URCG-5111	Translation of Holy Quran-II	0 (1-0)

5th Semester

Subject-code	Subject Name	Credit Hours
CMPC-6201	Operating Systems	3 (2-3)
CMPC-5208	Computer Networks	3 (2-3)
CSDC-6201	HCI & Computer Graphics	3 (3-0)
CSDC-6202	Computer Architecture	3 (3-0)
CSDC-6203	Compiler Construction	3 (3-0)

DSDC-5201	Introduction to Data Science	3 (3-0)
RCA-5101	Introduction to Management	2 (2-0)

6th Semester

Subject-code	Subjt Name	Credit Hours
CSDC-5102	Advance Data Base Management System	3 (3-0)
ITDC-6204	Parallel & Distributed Computing	3 (3-0)
SEDC-6202	Software Project Management	3 (3-0)
CSDE-6501	MERN Stack Development	3 (3-0)
CSDE-6502	Django Web Framework	3 (3-0)
URCG-5111	Translation of Holy Quran-III	0 (1-0)

7th Semester

Subject-code	Subjt Name	Credit Hours
CMPC-6702	Final Year Project - I	2 (0-6)
CMPC-6101	Analysis of Algorithms	3 (3-0)
MATH-5103	Probability & Statistics	3 (3-0)
ENGL-6101	Technical & Business Writing	3 (3-0)
URCE-5124	Entrepreneurship	2 (2-0)

8th Semester

Subject-code	Subjt Name	Credit Hours
CMPC-6703	Final Year Project - II	4 (0-12)
URCG-5122	Ideology and Constitution of Pakistan	2 (2-0)
URCS-6101	Professional Practices	2 (2-0)
URCC-5125	Civics and Community Engagement	2 (2-0)
URCG-5111	Translation of Holy Quran-IV	0 (1-0)