Obaid Noor Institute of Medical Sciences
Course Outline
BS IT

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1st Semester

Subject-code	Subjct 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*	Non-Credit

2nd Semester

Subject-code	Subjct Name	Credit Hours
CMPC-5202	Object Oriented Programming	4 (3-3)
CMPC-5203	Database Systems	4 (3-3)
CMPC-5204	Digital Logic Design	3 (3-0)
MATH-5101	Multivariable Calculus	3 (3-0)
MATH-5102 -	Linear Algebra	3 (3-0)
MATH-5102	Linear Algebra	3 (3-0)
URCG-5111	Translation of Holy Quran-I	Non-Credit
URCM-5108	Mathematics-II*	Non-Credit
URCG-5128	Pakistan Studies	2(2-0)

3rd Semester

Subject-code	Subjct Name	Credit Hours
CMPC-5205	Data Structures	4 (3-3)
CMPC-5206	Information Security	3 (2-3)
CMPC-5207	Artificial Intelligence	3 (3-0)
CMPC-5208	Computer Networks	3 (2-3)
CMPC-5101	Software Engineering	3 (3-0)
MATH-5103	Probability & Statistics	3 (3-0)

4th Semester

Subject-code	Subjct Name	Credit Hours
CMPC-5209	Computer Organization & Assembly Language	3 (2-3)
ITDC-5201	Web Technologies Domain	3 (3-0)
ITDC-5202	Cyber Security Domain	3 (3-0)
URCG-5105	Islamic Studies	2 (2-0)
URCG-5126	Ethics*	2 (2-0)
URCW-5201	Applied Physics	3 (3-0)
URCG-5119	Expository Writing	3 (3-0)
URCG-5111	Translation of Holy Quran-II	Non-Credit

5th Semester

Subject-code	Subjct Name	Credit Hours
CMPC-6201	Operating Systems	3 (2-3)
ITDC-6201	DB Administration & Management Domain	3 (2-3)
ITDC-6202	System & Network Administration	3 (2-3)

Subject-code	Subjct Name	Credit Hours
ITDE-6xxx	Domain Elective 1 Domain	3 (3-0)
ITDE-6211	E-Commerce Application Development	3 (3-0)
URCA-5101	Introduction to Management	2 (2-0)

6th Semester

Subject-code	Subjct Name	Credit Hours
ITDC-6203	Information Technology Infrastructure	3 (3-0)
ITDC-6204	Parallel & Distributed Computing	3 (3-0)
ITDE-6202	Internet of Everything	3 (3-0)
CSDE-6202	Mobile Application Development	3 (3-0)
ITDE-6212	Enterprise Systems Domain	3 (3-0)
ITDE-6214	Network Design and Management	3 (3-0)
URCG-5111	Translation of Holy Quran-III	Non-Credit

7th Semester

Subject-code	Subjct Name	Credit Hours
CMPC-6702	Final Year Project - I	2 (0-6)
CMPC-6101	Analysis of Algorithms	3 (3-0)
ITDE-6204	Virtual Systems and Services	3 (3-0)
ENGL-6101	Technical & Business Writing	3 (3-0)
URCG-5124	Entrepreneurship	2 (2-0)

8th Semester

Subject-code	Subjct 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)
URCG-5125	Civics and Community Engagement	2 (2-0)
URCG-5111	Translation of Holy Quran-IV	Non-Credit