

Quaid-i-Azam University
Department of Physics

Course Assignment Fall 2024

		Faculty Members	Morning Class number	Evening Class number
First Semester		Cr. H		
PH-101	Introductory Mechanics	3	1997	1403
PH-191	Introductory Mechanics Lab.	1	1998	1404
EN-100	Functional English	3	1999	1405
SW-100	Civics & Community Engagement	2	2000	1406
CH-100	General Chemistry	2	2001	1407
CH-190	General Chemistry Lab.	1	2002	1408
IT-100	Applications of Information and Communication Technologies	3	2003	1409
MA-101	Calculus and Analytic Geometry-I	3	2004	1410

Third Semester		Cr. H		
CH-102	Chemistry-II	2	2005	1411
CH-192	Chemistry-II Lab.	1	2006	1412
ST-101	Probability and Statistics	3	2007	1413
GEN-100	Arts and Humanities	2		—
PH-201	Basics of Electromagnetism	3	2010	1414
PH-291	Basics of Electromagnetism Lab.	1	2014	1415
EC-201	Economics	3	2018	1416
MA-202	Vector Calculus & Complex Numbers	3	2021	1417

Fifth Semester		Cr. H		
PH-301	Classical Mechanics-I	3	2038	1418
PH-302	Methods of Mathematical Physics-I	3	2040	1419
PH-303	Circuit and Devices	3	2044	1420
PH-304	Electromagnetism-I	3	2046	1421
PH-305	Laboratory-I	3	2049	1422
PH-307	Essen. of Math. Physics	3	2051	1423

Seventh Semester		Cr. H		
PH-401	Quantum Mechanics-II	3	2054	1424
PH-402	Condensed Matter Physics-I	3	2056	1425
PH-403	Statistical Physics	3	2058	1426
PH-404	Sub-Atomic Physics-I	3	2059	1427
PH-405	Computational Physics	3	2060	1428
PH-412	Optics	3	2061	1429
PH-406	Atomic & Molecular Phy - 3 -		2351	1536
PH-102	Waves & Optics - 3 -		2343	1534

M.Phil. FIRST SEMESTER		Cr. H		
PH-601	Methods of Mathematical Physics (Compusory for M.Phil 1st)	3		2067
PH-602	Electrodynamics I (Compusory for M.Phil 1st)	3		2071
PH-605	Condensed Matter Theory I	3		2072
PH-606	Materials Science	3		2074
PH-607	Methods and Techniques of Experimental Physics I	3		2077
PH-609 X	Advanced Nuclear Theory	3		2078
PH-612	Quantum Optics I	3		2080
PH-613	Basic Plasma Physics Theory	3		2082
PH-614	Electronic Instrumentation	3	—	
PH-616	Statistical Physics (Compusory)	3		2083
PH-618	semiconductor Physics	3		2084
PH-620 X	Quantum Information Theory I	3		

M.Phil. SECOND SEMESTER		Cr. H		
PH-701	Group Theory	3		
PH-703	Quantum Field Theory II	3		
PH-704	Condensed Matter Theory II	3		
PH-709	Industrial Plasma Physics	3		
PH-711	Particle Physics	3		2085
PH-712	Quantum Optics II	3		
PH-713	Physics of Laser Plasma Interaction	3		
PH-714	Atomic Physics	3		2087
PH-718	The Physics of Semiconductor Devices	3		
PH-719	Topics in Condensed matter Physics	3		
PH-720	Quantum Information Theory II	3		
PH-722	Accelerator Techniques in Materials	3		
PH-724	Kinetic Theory of Plasmas	3		