

ADP Physics

Admissions: Fall

Program Duration: 2 years

Total Semesters: 4

Total Credit Hours: 70

Scheme of Studies:

SEMESTER 1			
Course Code	Course Title	Credit Hour	Course Domain
PHY-501	Introductory Mechanics	3(2-1)	Major
MTH-XXX	Calculus-I	3(3-0)	Major
QRE-501	Quantitative Reasoning-I	3(3-0)	General Education
PHY-503	Natural Science/Fundamental of Physics	3(2-1)	General Education
ENG-501	Functional English	3(3-0)	General Education
ICT-501	Applications of Information and Communication Technologies (ICT)	3(2-1)	General Education
Total Cr. Hrs. = 18			
SEMESTER 2			
Course Code	Course Title	Credit Hour	Course Domain
PHY-502	Wave & Optics	3(2-1)	Major
MTH-XXX	Calculus-II	3(3-0)	Major
QRE-502	Quantitative Reasoning-II	3(3-0)	General Education
ENG-502	Expository Writing	3(3-0)	General Education
PKS-501	Pakistan Studies	2(2-0)	General Education
XXX-XXX	Social Sciences (1-Selected from the pool)	2(2-0)	General Education
ISL-121	Islamic Studies (Ethics for non-Muslims students)	2(2-0)	General Education
Total Cr. Hrs. = 18			
SEMESTER 3			
Course Code	Course Title	Credit Hour	Course Domain
PHY-505	Electricity & Magnetism	3(2-1)	Major
PHY-507	Heat & Thermodynamics	3(2-1)	Major
MTH-XXX	Linear Algebra	3(3-0)	Interdisciplinary
MTH-XXX	Differential Equations	3(3-0)	Major
XXX-XXX	Arts & Humanities (2-Selected from the pool)	2(2-0)	General Education
ICT-501	Ideology and Constitution of Pakistan	2(2-0)	General Education
THQ-501	Translation of Holy Quran	1(0-1)	Compulsory
Total Cr. Hrs. = 17			
SEMESTER 4			

Course Code	Course Title	Credit Hour	Course Domain
PHY-504	Modern Physics	3(2-1)	Major
MTH-XXX	Vector Calculus	3(3-0)	Major
PHY-506	Classical Mechanics	3(3-0)	Major
PHY-508	Environmental Physics	3(3-0)	Interdisciplinary
CCE-501	Civics & Community Management	2(2-0)	General Education
ENT-501	Entrepreneurship	2(2-0)	General Education
THQ-502	Translation of Holy Quran	1(0-1)	Compulsory
Total Cr. Hrs. = 17			

STRUCTURE

Sr.	Categories	No. of courses	Credit Hours
1.	General Education Course (No Choice)	13	32
2.	Major Courses	10	30
3.	Interdisciplinary Courses	2	6
5.	Compulsory Courses	2	2
	Total	27	70

➤ Total numbers of Credit hours	70
➤ Duration	2 Years
➤ Semester duration	4-5 Months
➤ Semesters	4
➤ Course Load per Semester	18