

Degree Plan for Diploma in Physics

Minimum No. of Credits for the Degree Plan = 72					
University Requirements = 21 Credits					
Course Code	Course Name	Credit Hours	Contact Hours		Pre-requisites/ Co-requisites
			Theory	Practical	
ARAB100	Arabic Language I	3	3	0	
ARAB101	Arabic Language II	3	3	0	ARAB100
COMP101/L	Computer Skills	3	2	2	COMP-A,COMP-B, Digital Literacy
HIST150	Islamic Civilization	3	3	0	
ENGL150	English Language	3	3	0	
ENGL152	English Language II	3	3	0	ENGL150
ENGL155	Communication Skills	3	3	0	ENGL152
University Electives = 3 Credits					
College Requirements = 16 Credits					
MATH116	Pre-Calculus	4	3	2	
MATH211	Calculus I	4	3	2	MATH116
STAT101	Introduction to Statistics	4	3	2	
COMP151/L	Introduction to Algorithms	4	3	2	COMP101/L
College Electives = 3 Credits					
Department Requirements = 35 Credits					
PHYS101/L	General Physics I	4	3	2	MATH116
PHYS150/L	General Physics II	4	3	2	PHYS101/L
PHYS204	Modern Physics	4	3	2	PHYS150/L
PHYS205/L	Experimental Methods in Electronics	3	2	2	PHYS150/L
PHYS207/L	Thermodynamics	4	3	2	PHYS150/L,MATH211
MATH212	Calculus II	3	2	2	MATH211
MATH215	Ordinary Differential Equation	3	2	2	MATH212
PHYS220	Introduction to Laser Science	3	2	2	PHYS204
PHYS256	Electromagnetism and Applications I	3	2	2	PHYS150, MATH215(co-req)
PHYS260/L	Sound and Optics	4	3	2	PHYS101/L