CURRICULR MAPPING-PHYSICS (B.S. Degree in Applied Arts and Sciences)

		DLG #1: SLO 1.1 Relevant knowledge: Classical Mechanics	DLG #1: SLO 1.2 Relevant knowledge: Electricity and Magnetism	DLG #1: SLO 1.3 Relevant knowledge: Quantum, Nuclear, and	DLG #1: SLO 1.4 Relevant knowledge: Thermodynamics; Statistical	DLG #1: SLO 2 Problem Solving	DLG #2: SLO 3.1 Experimenting:Laboratory	DLG #2: SLO 3.2 Experimenting:Using Computers	DLG #2: SLO 4 Independent research	DLG #3: SLO 5 Oral, Quantitative, and Visual	DLG #3: SLO 6 Written Communication; Standard English	DLG #4: SLO 7 Traits: Confidence, curiocity, and discipline	DLG #4: SLO 8 Motivation
LOWER DIVISION													
Phys 195	Principles Mechanics	Primary Focus Introduced				Introduced							
Phys 195L	Laboratory Mechanics	Introduced					Primary Focus Introduced						
Phys 196	Principles E&M		Primary Focus Introduced			Introduced							
Phys 196L	Laboratory E&M		Introduced				Primary Focus Introduced						
Phys 197	Principles Optics/Thermo			Primary Focus Introduced	Introduced	Introduced							
Phys 197L	Laboratory Optics			Introduced			Primary Focus Introduced						
UPPER DIVISION													
Phys 311	Electronics fall		Primary Focus Reinforced				Primary Focus Reinforced				Introduced		
Phys 317	Computational spring							Primary Focus Introduced					
Phys 350	Mechanics fall	Primary Focus Reinforced				Introduced							
Phys 354	Modern fall			Primary Focus Reinforced								Introduced	
Phys 357	Laboratory spring						Primary Focus Reinforced				Reinforced		
Phys 360	Thermodynamics spring				Primary Focus Introduced	Introduced							
Phys400A	E&M fall		Primary Focus Reinforced			Reinforced							
Phys400B	E&M spring		Primary Focus Mastery			Reinforced							
Phys410	Quantum fall			Primary Focus Mastery		Reinforced							
Phys498A	Research Project					Mastery	Mastery	Mastery	Primary Focus Introduced			Reinforced	
Phys498B	Research Project					Mastery	Mastery	Mastery	Primary Focus Reinforced	Mastery	Mastery	Reinforced	
ELECTIVES													
Phys406	Optics fall		Primary Focus Reinforced			Reinforced							
Phys538	Polymer Science every other spring				Primary Focus Reinforced	Reinforced				Reinforced	Reinforced	Reinforced	
Phys552	Optics spring		Primary Focus Reinforced			Reinforced					Reinforced		
Phys553	Optics Laboratory spring		Primary Focus Reinforced				Primary Focus Reinforced				Reinforced		
Phys 560	Radiological			Primary Focus		Reinforced							

	fall			Reinforced									
Phys564	Nuclear			Primary Focus		Reinforced					Reinforced		
Phys 357	Laboratory						Primary Focus				Reinforced		
	spring						Reinforced						
Phys 360	Thermodynamics				Primary Focus	Introduced							
	spring				Introduced								
Phys400A	E&M		Primary Focus			Reinforced							
	fall		Reinforced										
Phys400B	E&M		Primary Focus			Reinforced							
	spring		Mastery										
Phys410	Quantum			Primary Focus		Reinforced							
	fall			Mastery									
Phys498A	Research					Mastery	Mastery	Mastery	Primary Focus			Reinforced	
	Project								Introduced				
Phys498B	Research					Mastery	Mastery	Mastery	Primary Focus	Mastery	Mastery	Reinforced	
	Project								Reinforced				
ELECTIVES													
Phys406	Optics		Primary Focus			Reinforced							
	fall		Reinforced										
Phys538	Polymer Science				Primary Focus	Reinforced				Reinforced	Reinforced	Reinforced	
	every other spring				Reinforced								
Phys552	Optics		Primary Focus			Reinforced					Reinforced		
	spring		Reinforced										
Phys553	Optics Laboratory		Primary Focus				Primary Focus				Reinforced		
	spring		Reinforced				Reinforced						
Phys 560	Radiological			Primary Focus		Reinforced							
	fall			Reinforced									
Phys564	Nuclear			Primary Focus		Reinforced					Reinforced		
	spring			Reinforced									
Phys565	Radiobiology			Primary Focus		Reinforced							
	fall			Reinforced									
Phys570	Relativity			Primary Focus		Reinforced							
	fall			Reinforced									
Phys580	Computational					Reinforced		Primary Focus					
	fall							Reinforced					

Lower division: 195, 195L, 196, 196L are offered every semester. 197, 197L in spring.

Upper division classes are offered once a year.