COURSE #	SLO		FA 2015	Spr 2016	FA 2016	Spr 2017	FA 2017	Spr 2018	FA 2018	Spr 2019	FA 2019	Spr 2020	FA 2020	Spr 2021
PHYC 110	1	Students will have a working knowledge of the language of physics							x					
	2	Students will apply qualitative reasoning to physics problems							x					
	3	Students will apply quantitative reasoning to physics problems											x	
	4	Students will employ laboratory equipment and techniques to collect, organize and evaluate experimental data.											x	
PHYC 130	1	Students will be able to apply thermodynamic principles to systems involving solids and ideal gasses.							x					
	2	Students will be able to apply Newton's Laws to static and dynamic systems of particles and rigid bodies								x				
	3	Students will distinguish between conservation principles and apply them appropriately to physical systems.								x				
	4	Students will employ laboratory equipment and techniques to acquire experimental measurements, interpret the data, and communicate the results in a coherent manner.								x				
PHYC 131	1	Students will be able to calculate electric fields, magnetic fields and electrical potentials.							x					
	2	Students will be able to apply the laws of motion and conservation principles to charged particles.							x					
	3	Students will be able to analyze electrical circuits containing a variety of components.							x					
	4	Students will be able to calculate the behavior of light and matter using quantum mechanical principles							x					
	5	Students will be able to analyze the propagation of light through optical systems											x	
	6	Students will be able to apply the principles of special relativity to the motion of objects.											x	
	7	Students will employ laboratory equipment and techniques to acquire experimental measurements, interpret the data, and communicate the results in a coherent manner.											x	
PHYC 140	1	Students will be able to apply Newton's Laws to static and dynamic systems of particles.							x					
	2	Students will apply Newton's laws to static and dynamic systems of rigid bodies.							x					
	3	Students will distinguish between conservation principles and apply them appropriately to physical systems.							x					
	4	Students will employ laboratory equipment and techniques to acquire experimental measurements, interpret the data, and communicate the results in a coherent manner.							x					
		WILL BE ASSESSED WHEN OFFERED:												
PHYC 198	1	Students will be able to recognize essential discipline skills and content and apply them to a related course.												
		WILL BE ASSESSED WHEN OFFERED:												
PHYC 199	1	Students will be able to identify, examine, and assess a component of the discipline in a study of individualized content.												
PHYC 240	1	Students will be able to apply the first and second laws of thermodynamics to systems involving solids and ideal gasses.							x					
	2	Students will be able to calculate electric fields and potentials.							x					
	3	Students will be able to recognize when magnetic fields are present and calculate their properties.							x					
	4	Students will be able to apply the laws of motion and conservation principles to charged particles.											x	
	5	Students will be able to analyze electrical circuits containing a variety of components.											x	
	6	Students will employ laboratory equipment and techniques to acquire experimental measurements, interpret the data, and communicate the results in a coherent manner.											x	
PHYC 241	1	Students will be able to apply the laws of physics to the propagation of mechanical and E&M waves.								x				
	2	Students will be able to analyze the propagation of light through optical systems.								x				
	3	Students will be able to calculate the behavior of light and matter using quantum mechanical principles.								x				
	4	Students will be able to apply the principles of special relativity to the motion of objects.								x				
	5	Students will employ laboratory equipment and techniques to acquire experimental measurements, interpret the data, and communicate the results in a coherent manner.								x				
		WILL BE ASSESSED WHEN OFFERED:												
PHYC 298	1	Students will be able to describe, distinguish and apply components of the discipline within a specialized topic of the discipline.												
		WILL BE ASSESSED WHEN OFFERED:												
PHYC 299	1	A: students will be able to define and analyze components of the discipline within a specialized topic of the discipline.												
	2	B: Students will be able to define, analyze, and synthesize components of the discipline within a specialized topic of the discipline.												