

## Physics Curriculum Map

Courses and Activities Mapped to BA/BS in Physics Outcome Set

	<b>Outcome #1 Fundamental Concepts</b> Students pursuing a baccalaureate degree in physics will exhibit a sound grasp of fundamental concepts in the discipline.	<b>Outcome #2 Problem Solving</b> Students pursuing a baccalaureate degree in physics will be able to employ problem solving skills together with scientific models and mathematical techniques to explain and predict behavior of physical systems.	<b>Outcome #3 Laboratory Procedures</b> Students pursuing a baccalaureate degree in physics will be able to carry out basic laboratory procedures demonstrating appropriate use of instrumentation, quantitative measurement, and data analysis.	<b>Outcome #4 Communication</b> Students pursuing a baccalaureate degree in physics will be able to demonstrate professional communication skills.
	Outcome #1	Outcome #2	Outcome #3	Outcome #4
<b>Courses and Learning Activities</b>				
Phys 115 University Physics I	I	I		
Phys 115L University Physics I Lab	P	P	I	
Phys 116 University Physics II	I	I		
Phys 116L University Physics II Lab	P	P	I	
Phys 215 Modern Physics I	I	P		
Phys 215L Modern Physics I Lab	I	P	P	I
Phys 216 Modern Physics II	I	P		
Phys 216L Modern Physics II Lab	I	P	P	I
Phys 309 Statics	I	R		


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	Outcome #1	Outcome #2	Outcome #3	Outcome #4
Phys 310 Analytical Mechanics	I	R		
Phys 311 Analytical Mechanics II	I	R		
Phys 315 Advanced Laboratory I	I	R	R	R
Phys 316 Advanced Laboratory II	I	R	R	R
Phys 321 Math Physics I	I	R		
Phys 322 Math Physics II	I	R		
Phys 341 Electricity and Magnetism	I	R		
Phys 342 Electricity and Magnetism II	I	R		
Phys 405 Senior Seminar in Physics	R			R
Phys 420 Thermodynamics and Statistical Mechanics	I	R		
Phys 497 Quantum Mechanics	I	I		
Phys 499 Physics Research	R	R	R	R

**Legend:** I Introduced P Practiced R Reinforced

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