

Student Learning Outcomes Program Assessment Curriculum Map

updated: 5.14.2014

Curriculum maps illustrate the link between the courses and requirements in a program to the program learning outcomes. Maps represent where students are given the opportunity to achieve the outcomes, from introduction to mastery, as they proceed through the curriculum.

To complete the matrix:

- Across the top: List all the courses and other program requirements (e.g., internships, service-learning, portfolios) developmentally/sequentially when possible.
- Down the side: List your Program Student Learning Outcomes.
- Use the Map Key: Indicate the degree to which an outcome will be taught and practiced by students (I-R-E); consider the goal of key assignments and activities before assigning a code.

(Form expands to accommodate program outcomes; add lines as necessary.)

Academic Program: Physics BS Reporting Year:																																								
<p>Program Student Learning Outcomes: Explicit statements of observable, measurable results that specify what a student is expected to know or be able to do as a result of their participation in an academic program. Statements should be detailed and meaningful enough to guide decisions in program planning, improvement, pedagogy, and practice.</p> <div style="border: 1px solid black; background-color: #e6f2ff; padding: 5px; margin-top: 10px;"> <p>Map Key I = Outcome Introduced R = Outcome Reinforced E = Outcome Emphasized for Mastery</p> </div> <p>Program Student Learning Outcomes:</p>	<p>Course Numbers/Program Requirements Program requirements can include internships, service learning, portfolios, comprehensive exams, seminars, and requirements that may not be associated with a course number.</p> <p>Course Numbers/Program Requirements:</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="height: 150px;"></td> <td>PHY203</td> <td>PHY273</td> <td>PHY204</td> <td>PHY274</td> <td>PHY205</td> <td>PHY275</td> <td>PHY306</td> <td>PHY322</td> <td>PHY331</td> <td>PHY381</td> <td>PHY382</td> <td>PHY410</td> <td>PHY420</td> <td>PHY451</td> <td>PHY452*</td> <td>PHY455*</td> <td>PHY483&</td> <td>PHY484&</td> <td>PHY491&</td> <td>PHY492&</td> </tr> </table>																				PHY203	PHY273	PHY204	PHY274	PHY205	PHY275	PHY306	PHY322	PHY331	PHY381	PHY382	PHY410	PHY420	PHY451	PHY452*	PHY455*	PHY483&	PHY484&	PHY491&	PHY492&
	PHY203	PHY273	PHY204	PHY274	PHY205	PHY275	PHY306	PHY322	PHY331	PHY381	PHY382	PHY410	PHY420	PHY451	PHY452*	PHY455*	PHY483&	PHY484&	PHY491&	PHY492&																				

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# 1	Demonstrate a familiarity with classical and modern physics theories and be able to apply them to solve quantitative physics problems.	I		I		I	I	R	R	R	R	R	R	R	E	E	E	E	E	E	E
# 2	Demonstrate the ability to carry out physics experiments and provide quantitative data analysis and interpretation.		I		I		I				R	R									
# 3	Demonstrate the ability to effectively carry out guided research under the supervision of a physics faculty member.		I		I		I				R	R						E	E	E	E
# 4	Demonstrate the ability to present the results of physics experiments and research activities.						I				R	R						E	E	E	E
# 5																					

* Not required for Physical Oceanography Majors
 & Students take either PHY483 and 484 or PHY491 or PHY492