Physics

PHYS 398  **Sophomore/Junior Special Topics in Physics**  credit: 1 TO 4 hours.
Topical offerings of technical interest, skills, and knowledge in physics, and its practice, intended to augment the existing curriculum at the intermediate level. Approved for Letter and S/U grading. May be repeated in separate terms up to 12 hours if topics vary. Prerequisite: See Class Schedule or departmental course information for topics and prerequisites. For students with sophomore or junior standing.

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<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>69341</td>
<td>Laboratory</td>
<td>DLP</td>
<td>01:00 PM - 04:50 PM</td>
<td>F</td>
<td>276 - Loomis Laboratory</td>
<td>Gollin, G</td>
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Credit Hours: 3 hours
Restricted to students with Junior class standing.
Restricted to Engineering Physics or Physics or Teaching of Physics major(s) or minor(s).
DESIGN LIKE A PHYSICIST Becoming the fearless toolsmith: you will address a real-world problem with your physicist's insight and the tools of electrical and mechanical engineers. There will be IDEs and PCBs and 3-D printers, and a treat bag at the end of the course.

| 69342 | Lecture | MLA | 03:00 PM - 04:50 PM | M    | 222 - Loomis Laboratory | Neubauer, M |

Credit Hours: 2 hours
Restricted to students with Junior class standing.
DATA ANALYSIS & MACHINE LEARNING APPLICATIONS In this course, you will learn the fundamentals of how to analyze and interpret scientific data and apply modern machine learning tools and techniques to problems such as classification and regression. Some knowledge of python preferred but not required. Prerequisites: Credit or Concurrent Registration: MATH 285; Credit for PHYS 225 and PHYS 325.