Physics

PHYS 212  University Physics: Elec & Mag  credit: 4 hours.
Coulomb's Law, electric fields, Gauss' Law, electric potential, capacitance, circuits, magnetic forces and fields, Ampere's law, induction, electromagnetic waves, polarization, and geometrical optics. A calculus-based approach for majors in engineering, mathematics, physics, and chemistry. Credit is not given for both PHYS 212 and PHYS 102. Prerequisite: PHYS 211; credit or concurrent registration in MATH 241.

For students in engineering, mathematics, physics and chemistry. Exams are given in the evening (during fall and spring semesters). Register for a lecture (A) section, a discussion (D) section and a laboratory (L) section. Engineering students must obtain a dean's approval to drop this course after the second week of instruction.

This course satisfies the General Education Criteria for a:
Quantitative Reasoning II
Nat Sci & Tech - Phys Sciences

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>30264</td>
<td>Lecture</td>
<td>A</td>
<td>08:00 AM - 08:50 AM</td>
<td>MTWR</td>
<td>151 - Loomis Laboratory</td>
<td>Davis, A Schulte, E</td>
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Physical Sciences, and Quant Reasoning II course.

| 36519 | Discussion/Recitation | D0      | 10:00 AM - 11:50 AM | MW   | 137 - Loomis Laboratory  | Dutta, S     |

Physical Sciences, and Quant Reasoning II course.

| 30266 | Discussion/Recitation | D1      | 10:00 AM - 11:50 AM | MW   | 35 - Loomis Laboratory  | Passias, V   |

Physical Sciences, and Quant Reasoning II course.

| 30268 | Discussion/Recitation | D2      | 01:00 PM - 02:50 PM | MW   | 32 - Loomis Laboratory  | Aneja, J     |

Physical Sciences, and Quant Reasoning II course.

| 30272 | Laboratory            | L1      | 10:00 AM - 11:50 AM | TR   | 262 - Loomis Laboratory  | Gariepy, A   |

Physical Sciences, and Quant Reasoning II course.

| 30273 | Laboratory            | L2      | 01:00 PM - 02:50 PM | TR   | 262 - Loomis Laboratory  | Han, B       |

Physical Sciences, and Quant Reasoning II course.