

## ELEC2246 - Advanced Electronics

Credits:	2 (1/1/0)
Description:	This course provides theory, operation and practical applications of various field-effect transistors, thyristors, photosensitive devices, sensing devices and wave chopping circuitry.
Prerequisites:	<ul style="list-style-type: none"> <li>• ELEC2211</li> </ul>
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"> <li>1. Demonstrate safe work practices.</li> <li>2. Describe variety of sensors and instruments.</li> <li>3. Demonstrate proper use of sensors and instruments.</li> <li>4. Describe open/closed loop control.</li> <li>5. Describe proportional-integral-derivative (PID) control.</li> <li>6. Use calculations to properly calibrate instruments.</li> <li>7. Demonstrate ability to calibrate instruments.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.