

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"> • ELEC2211 |
| Corequisites: | |
| Pre/Corequisites*: | |
| Competencies: | <ol style="list-style-type: none"> 1. Demonstrate safe work practices. 2. Describe variety of sensors and instruments. 3. Demonstrate proper use of sensors and instruments. 4. Describe open/closed loop control. 5. Describe proportional-integral-derivative (PID) control. 6. Use calculations to properly calibrate instruments. 7. Demonstrate ability to calibrate instruments. |
| MnTC goal areas: | None |

*Can be taking as a Prerequisite or Corequisite.