

Course Outline for **CONE2246 — 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: CONE2211

Corequisites: (None)

Competencies:

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 PID control.
6. Use calculations to properly calibrate instruments.
7. Demonstrate ability to calibrate instruments.

Goal Areas: (None)