This course will teach you about Operational Amplifiers (OP-Amps), DC and AC characteristics of OP-Amps, Differential Amplifiers, Comparator Circuits. In addition, Digital-to-Analog and Analog-to-Digital Converters are studied. Various types of sensors, their interface circuits, and characteristics are addressed. The course utilizes, lecture, extensive Labs, and on-line testing.

This course is available as a hybrid course and as an on-line course.

- Hybrid course meets on Saturday afternoon from 1-5:00 PM. Testing, initial review of Lecture materials and discussion of topics is covered on-line. A quick overview of the weekly topic, student questions and Labs are in class.

- The on-line class has two variations for accomplishing the Lab part of the course. Either the student utilizes the Electronics Open Lab in room 2747 on the Cheyenne campus and the Lab Techs to sign-off their labs at the required steps, or they utilize their own equipment, take O-Scope screen shots at the noted points of the Labs, and submit them with their Lab reports. Contact the instructor for Lab equipment minimum requirements and some usable low cost options.
Perquisites:
ET 132B and ET 212B

Text Books:

Sections:
Saturday Afternoon Section 001, Call# 43356
Distance Education Section D01, Call # 52858

Questions:
Call the Department at 651-4660 or 651-4157, if no answer, please leave a message. Or email joseph.miller@csn.edu

Online Section Requirements Document
http://sites.csn.edu/jmiller/ET/ET238B/On-line Lab Requirements.pdf