

EEL 4119L Laboratory 2

Credits: 3

Text book, title, author, and year: Course material supplied by FAU Instructor

- a. **Supplemental materials:** none.

Specific course information

- a. **Catalog description:** Experiments and projects to supplement the theoretical work in core courses.
- b. **Prerequisites:** *EEE 4361, EEL 3118L, EEL 3470, EEL 4656*
- c. **Required, elective, or selected elective:** required

Specific goals for the course

Specific outcomes of instruction:

- a. By the end of the course students will be able to: (i) work effectively as a team member on a project team; (ii) demonstrate knowledge of proper study skills and time management habits; (iii) demonstrate the ability to communicate effectively orally and in writing a report; (iv) demonstrate understanding of the problem solving process.

Brief list of topics to be covered:

- 1) Active Filters,
- 2) Wideband Amplifier
- 3) Class-C and Colpitts Oscillator
- 4) Switching Regulator
- 5) Spectrum Analyzer
- 6) Transmission Lines