Course Title: Communications Lab (650437)
Prerequisite: Analog Communications (650431)
Text Book: Lab Manual for Analog Communications
Credit Hours: 1
Level 4th Year

Course Goals:
To deal with communication circuit kits, modulators, oscillators and filters.

Time Schedule:
Duration: 14 weeks
Lectures: None
Tutorial: None
Laboratories: 3 hours / week

Objectives:
At Completing this module the student should be able to:
- Understand the AM, FM, and PWM modulators and demodulators.
- Understand the operation, characteristics, and design of RF oscillators.
- Understand characteristics, types, advantages and implementation of Active Filters.

Course Outline:
Experiment No.1: RF Oscillators.
Experiment No.2: Second Order Filters
Experiment No.3: AM Modulators
Experiment No.4: AM Demodulators
Experiment No.5: DSB-SC and SSB Modulators
Experiment No.6: DSB-SC and SSB Demodulators
Experiment No.7: FM Modulators
Experiment No.8: FM Demodulators
Experiment No.9: PWM Modulators
Experiment No.10: PWM Demodulators

Mode of Assessment
Reports: 20%
Quizes & Participation: 30%
Final Exam: 50%

References: