Course Title: Communications and Signal Processing Laboratory Work
Course Code: ETEG 308
Credit Hours: 3

Course Description:
This course intends to reinforce the concepts learned in those theory classes that have a strong practical applications emphasis, by a series of relevant experiments carried out in the laboratory.

Course Contents:

A series of experiments to reinforce the subject matter taught in 'ETEG303: Data Communication Networks', 'ETEG303: Digital Communications', 'ETEG305: Digital Signal Processing'. The exact courses covered by laboratory work may vary.

The following experiments can be carried out for Digital Communication:
1. Demonstration of the Effect of Noise on PAM and PCM Signals
2. PSK Transmission Over Noisy Channel
3. QAM Modulator and Demodulator
4. BCH Encoder and Decoder
5. Convolutional Encoder and Decoder