



H-Form ECE 372

| A Brief Course Description | | | |
|------------------------------|---|-----------------|-------------|
| College | Engineering | | |
| Department/ Program | Electrical Engineering – Communications Engineering Program | | |
| Course Name | Digital Communications Systems | | |
| Course Code | ECE 372 | | |
| Year / Level | 4/8 | | |
| Credit Hours | 3 | | |
| Contact Hours | Lecture: 3 | Lab/Tutorial: 0 | Training: 0 |
| Language | English | | |
| Track | <input type="checkbox"/> University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Program | | |
| | <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective | | |
| Pre-requisites Course | ECE 371, ECE304 | | |
| Co-Requests | - | | |
| Course Description | Review of basic digital modulation and random processes. Baseband transmission of digital signals. Matched filter. Band-pass transmission of digital signals. Optimum Receivers and BER Analysis over AWGN channels. Introduction to information theory. Channel coding: Block codes and convolutional codes. | | |