ECSE 496x Courses

- **ECSE-4963 Digital Communications Engineering**

  The functional characterization of digital signals and transmission facilities, band-limited and duration-limited signals, modulation and demodulation techniques for digital signals, error probability, intersymbol interference and its effects, equalization and optimization of baseband binary and M-ary signaling systems, error control coding techniques, digital filtering current practices in modern design. Introduction to communication networks and switched systems, store-and-forward communication systems, broadband communication techniques, channel protocol, current developments in digital communication systems design and operation. Prerequisites: ECSE-4520, linear systems theory and transform theory. Cr: 3 Instr: Saulnier