ECE 8770: Topics in Digital Communicatn

Digital communication modulation and reception. Topics: unifying signal space representation of digital modulation schemes, optimum digital communication symbol detectors, detector performance evaluation, optimum and adaptive equalizers for channel distortion mitigation, maximum likelihood sequence estimators (MLSE's), the Viterbi algorithm MLSE implementation, and spread sprectrum and other modulation schemes. Computer assignements provide experience with symbol detection adaptive channel equalization and the Viterbi algorithm applied to several realistic channel models and modulation schemes.

Credits: 3.0
Prerequisites:
ECE 8072 :C and ECE 8700 :C
Program: Electrical and Computer Engineering