

# EESC6341 - Information Theory I

[EESC 6341](#) Information Theory I (3 semester credit hours) Entropy and mutual information, lossless compression, channel capacity for discrete memoryless channels and Gaussian channels, capacity under fading and multiple-input multiple-output (MIMO) channels, the multiple-access channel, the broadcast channel, the Slepian-Wolf problem. Prerequisite: [ENGR 3341](#). (3-0) R