H-Form ECE 477

A Brief Course Description			
College	Engineering		
Department/ Program	Electrical Engineering – Communications Engineering Program		
Course Name	Introduction to Information Theory and Coding		
Course Code	ECE 477		
Year / Level	5/9		
Credit Hours	3		
Contact Hours	Lecture:3	Lab/Tutorial: 0	Training: 0
Language	English		
Track	☐University ☐College ☐Department ☒Program		
	☐Required ☒ Elective		
Pre-requisites Course	ECE 304, ECE 371		
Co-Requests	-		
Course Description	Review of probability theory. Entropy, Mutual information. Data compression. Huffman coding. Universal source coding. Channel capacity. Block codes and hard-decision decoding. Convolutional codes and soft-decision decoding.		