

ECEn 464. Wireless Communication Circuits

Catalog Description:	ECEn 464. Wireless Communication Circuits. (2:3:1) F 2nd blk. Analysis, design, and fabrication of RF/microwave passive circuit structures, amplifiers, oscillators, and mixers. System concepts, including stability, gain, and noise figure.	
Course Type:	Engineering Topics	
Prerequisites:	ECEn 462 or instructor's consent.	
Textbooks and/or other required materials	<i>Microwave Engineering</i> by David M. Pozar.	
Topics Covered:	Review of Transmission line matching, microwave network analysis, passive and active microwave components, design and test of microwave systems	
Course Competencies:	Facility with microwave passive and active structures.	Outcome 5
	Lab	
	Ability to function in groups to design and test microwave systems.	Outcome 4
	Ability to simulate microwave systems and components.	Outcome 11
Schedule:	Lectures: MWF 1-1:50 Laboratory: F 3:00-5:50 TA Recitations: (None)	
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