

	and ability to design and analyze the RF and microwave circuits using modern high-frequency simulation software as well as advanced RF and microwave testers.													
Course Content	1. Introduction to RF/MW Circuits and Systems 2. Transmission Line Theory 3. Smith Chart 4. Passive Components – Design of Matching Network, Filter and various Passive Components 5. Active Component and Its Modeling 6. Transceiver Network Architectures													
Course Intended Learning Outcomes (CILO):	CILO 1: Ability to apply knowledge of mathematics, science and engineering. CILO 2: Ability to design and conduct experiments. CILO 3: Ability to identify, formulate and solve engineering problems. CILO 4: Ability to use the techniques, skills and modern engineering tools necessary for engineering practice. CILO 5: Ability to design a system, component or process to meet desired needs. CILO 6: Broad education necessary to understand the impact of engineering solutions in global and societal context. CILO 7: Ability to use the computer/IT tools relevant to the discipline along with an understanding of their processes and limitations.													
Major Assessment Methods:	Case Study	Role Playing	Student Presentation	Individual project / paper	Group project / paper	Group discussions	Writing Assignment	Exercises & problems	Service learning	Internship	Field study	Company visits	Reading & Writing Assessments / tests	Listening & Oral Assessments / tests
Assignment(s) 70%					✓									
Quiz 30%								✓					✓	