

EETE 4212	Telecommunications Networks	3 Credit Hours
Prerequisites:	EETE 3211	
Goal	To present the student with the basic concepts in Telecommunications Networks.	
Objectives		Outcomes
<p>The course should enable the student to:</p> <ol style="list-style-type: none"> 1. Appreciate and understand modern telecommunications topics. 2. Understand the telecommunications infrastructure. 3. Understand Switching of voice, data, and multimedia. 4. Understand the basic concepts of telephone network engineering and cell relay networking. 5. Demonstrate knowledge in the operations and management of large telecommunications networks. 		<p>The students should be able to:</p> <ol style="list-style-type: none"> 1. Demonstrate knowledge of basic telephony. 2. Demonstrate knowledge of local access technologies. 3. Compare and contrast Residential Broadband technologies; Coax, Fiber, and xDSL. 4. Design and manage a Digital Transport network such as SDH. 5. Demonstrate knowledge of Traffic engineering. 6. Apply knowledge of switching, signaling and Intelligence Networks in the design and analysis of telecommunications networks. 7. Differentiate between Frame – & Cell – based Networks and their uses. 8. Demonstrate knowledge of IP Telephony.