

Subject	Electronic Circuits II	Course Code	CT217	Theoretical	3 hrs / wk
Semester	4	Prerequisite	CT216	Practical	3 hrs / wk

Program Learning Component

	Specific Learning Outcomes	Teachers activities	Resources
Week 1-6	<ol style="list-style-type: none"> 1. Transistor Application 2. Common base configuration 3. Common Emitter configuration 4. Common Collector configuration 5. Transistor maximum rat 	<ol style="list-style-type: none"> 1. Define and Present of different transistor applications 2. explain and study the transistor configurations 	<ul style="list-style-type: none"> • Lesson Plan • Chalk board
Week 7-11	<p>FET Transistor:</p> <ol style="list-style-type: none"> 1. Construction ,characteristics, biasing 2. Depletion, enhancement 3. Small Signal Amplifier Bn bb 4. Multistage Amplifier 5. Frequency response <p>Types, circuits, analysis, effect of Feedback</p>	<ol style="list-style-type: none"> 1. Study and explain the FET Transistor 2. Present the FET-T characteristics and specifications 3. Study of the small and multistage 4. solve related problems definition Present and study of the Frequency response 	<ul style="list-style-type: none"> • Lesson Plan • Chalk board
Week 12-16	<ol style="list-style-type: none"> 1. Power electronics Thyris tors, trace, disc 2. DC Amplifiers Push-pull amplifier Amplifier with Feedback differential Amplifier, rejection of common mode signals 3. Operational Amplifiers I/P,O/P Impedance Frequency compensation I/P effect current 	<ol style="list-style-type: none"> 1. Study and present of DC and 2. operational Amplifiers 3. solve related problems Amplifiers 	<ul style="list-style-type: none"> • Lesson Plan • Chalk board