

## FOURTH YEAR

<b>Television and Broadcasting Systems</b>	<b>COE410</b>
<b>Prerequisite: COE202, COE203, COE209, COE303, and COE401</b>	<b>(2-2-0-0)</b>

Introduction: Noise; External Noise, Internal Noise, Noise Calculation and Measurement, Radio Frequency Circuits, Broadcasting; Full-Carrier AM, Time and Frequency Domain, Quadrature AM and AM Stereo, FM Stereo. Television: NTSC Analog Video Signal, Terrestrial Analog Television Broadcasting, Analog Television Receivers, Cable Television, Test Equipment and Signals, Digital and High-Definition Television, Studio (microphone, cameras, lighting, etc.), IPTV. Acoustics: Sound Pressure Level and Sound Intensity, Loudness Level, Pitch and Frequency, Interval and Octave, Sound Distortion, Sound Recording Systems, Room Acoustics, Electro-acoustic Transducers.