



H-Form ECE 342

A Brief Course Description			
College	Engineering		
Department/ Program	Electrical Engineering - Electronics Engineering Program		
Course Name	Electronics (2)		
Course Code	ECE 342		
Year / Level	4/ 7		
Credit Hours	4		
Contact Hours	Lecture: 3	Lab/Tutorial: 2	Training: 0
Language	English		
Track	<input type="checkbox"/> University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Program		
	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective		
Pre-requisites Course	ECE 241		
Co-Requests	-		
Course Description	Differential amplifiers. Multistage amplifiers. Amplifier frequency response (for single stage, multistage and opamp). Feedback: Circuit topologies and analysis. Active filters single and multi-opamp topologies, inductance simulation. Stability and pole locations, Opamp based Sinusoidal Oscillators, transistors based Sinusoidal Oscillators. Introduction to A/D and D/A.		