COURSE DESCRIPTIONS BY COURSE DISCIPLINE PREFIX

ELN ELECTRONICS

ELN-131Analog Electronics IPrerequisites:NoneCorequisites:None

This course introduces the characteristics and applications of semiconductor devices and circuits. Emphasis is placed on analysis, selection, biasing, and applications. Upon completion, students should be able to construct, analyze, verify, and troubleshoot analog circuits using appropriate techniques and test equipment.(2013 FA)

ELN-133	Digital Electronics	4 (3-3)
Prerequisites:	None	
Corequisites:	None	
This course covers combinational and sequential logic circuits. Topics in		

This course covers combinational and sequential logic circuits. Topics include number systems, Boolean algebra, logic families, medium scale integration (MSI) and large scale integration (LSI) circuits, analog to digital (AD) and digital to analog (DA) conversion, and other related topics. Upon completion, students should be able to construct, analyze, verify, and troubleshoot digital circuits using appropriate techniques and test equipment.(2013 FA)

ELN-232Intro to Microprocessors4 (3-3)SpringPrerequisites:NoneCorequisites:NoneThis course introduces microprocessor architecture and microcomputer systems

including memory and input/output interfacing. Topics include low-level language programming, bus architecture, I/O systems, memory systems, interrupts, and other related topics. Upon completion, students should be able to interpret, analyze, verify, and troubleshoot fundamental microprocessor circuits and programs using appropriate techniques and test equipment.(1997 SU)

4 (3-3)

Spring

Summer