


ENGR 065: Circuit Theory

Course Title	Circuit Theory
Abbreviated Course Title	Circuit Theory
Course Subject	ENGR
Course Number	065
School Submitting Request	Engineering
Division	Lower Division
Effective Term	Fall 2012
Discontinuance Term	----
Lower Unit Limit	3
Upper Unit Limit	3
Prerequisites	Introductory Physics (PHYS 9 / PHYS 19 or equivalent); Linear Algebra and Differential Equations (MATH 24 or equivalent)
Prerequisites with a Concurrent Option	
Corequisites	
Major Restrictions	
Class Level Restrictions	
Course Description	This course introduces fundamental principles of circuit theory commonly used in engineering and science, like circuit parameters and fundamental laws, complex impedance and admittance, steady-state and transient circuit response, Fourier and Laplace transforms, and common measurement instruments.
TIE Code	
Reasons for Request	Other
Brief Explanation of Change(s)	Add lab component. Lecture: 2 contact, 1 non-contact Lab: 3 contact, 3 non-contact Seminar: 0 contact, 0 non-contact Discussion: 0 contact, 0 non-contact Tutorial: 0 contact, 0 non-contact Field: 0 contact, 0 non-contact Studio: 0 contact, 0 non-contact
Total Contact/Non-contact Hours Per Week	9
Total Hours Per Week	9
Grading Options	Letter Grade Only
In Progress Grading	
Maximum Enrollment	360
Maximum Enrollment Reason	----
Cross-listing	
Conjoined	

Cross-listed Schools	Engineering
Can this course be repeated?	Yes
How many times?	
Resource Requirements	See syllabus
Does this satisfy a General Education Requirement?	No
Course Outline and/or Additional Documentation	 S12ENG65-Syllabus.pdf (264Kb)