


# ENGR 065: Circuit Theory

<b>Course Title</b>	Circuit Theory
<b>Abbreviated Course Title</b>	Circuit Theory
<b>Course Subject</b>	ENGR
<b>Course Number</b>	065
<b>School Submitting Request</b>	Engineering
<b>Division</b>	Lower Division
<b>Effective Term</b>	Fall 2012
<b>Discontinuance Term</b>	----
<b>Lower Unit Limit</b>	3
<b>Upper Unit Limit</b>	3
<b>Prerequisites</b>	Introductory Physics (PHYS 9 / PHYS 19 or equivalent); Linear Algebra and Differential Equations (MATH 24 or equivalent)
<b>Prerequisites with a Concurrent Option</b>	
<b>Corequisites</b>	
<b>Major Restrictions</b>	
<b>Class Level Restrictions</b>	
<b>Course Description</b>	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.
<b>TIE Code</b>	
<b>Reasons for Request</b>	Other
<b>Brief Explanation of Change(s)</b>	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
<b>Total Contact/Non-contact Hours Per Week</b>	9
<b>Total Hours Per Week</b>	9
<b>Grading Options</b>	Letter Grade Only
<b>In Progress Grading</b>	
<b>Maximum Enrollment</b>	360
<b>Maximum Enrollment Reason</b>	----
<b>Cross-listing</b>	
<b>Conjoined</b>	

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