



# STARK STATE COLLEGE

## GENERAL SYLLABUS

### Course Information

**Course Name:** DC Circuit Analysis  
**Course Number:** EET120

### Required Materials

**Textbook(s):** Introductory Circuit Analysis – Boylestad, 14<sup>th</sup> ed, ISBN 9780137594115, Laboratory Manual to Accompany Introductory Circuit Analysis 14<sup>th</sup>, Ed. 9780137283644

**Required Readings:** None

**Additional Materials:** Slides, video links and other materials through LMS

### Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

Week	Chapter/Topic/Lab
1	Chapter 1-Intro, Units, Math Skills, Chapters 2-3-Voltage, Current, and Resistors
2	Lab 2: Resistors and Color Code
3	Chapter 4: Ohm's Law, Power, and Batteries, Lab 3:Ohm's Law
4	Chapter 5: Series Circuits and KVL, Lab 4: Series Resistance
5	Review / Lab 5: Series Circuits, Exam
6	Chapter 6: Parallel Circuits, KCL, Voltage Sources, Lab 6: Parallel Resistance
7	Chapter 7: Series-Parallel Circuits-Energy, Lab 7: Parallel Circuits
8	Lab 9: Series Parallel Circuits
9	Chapter 8: Mesh Analysis, Lab 8: Potentiometers
10	Review, Exam II
11	Chapter 8: Nodal, Bridge, Delta-to-Y, Lab 14:Methods of Analysis
12	Chapter 9: Theorems, Lab 11:Superpositions
13	Chapter 10 & 12: Capacitors and Inductors, Lab 12: Thevenin's
14	Lab 15: Capacitors, Exam III
15	Chapter 11-12: Transients in DC circuits, Lab 16: RC Circuits
16	Final Exam