EET 1501L - Circuit Theory 1 Lab

Fall 2026 Syllabus, Section 01, CRN 40817,

Credit hours: 1

Instructor

Jason Zapka

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Public Instructor Information

Instructor Title: Associate Professor
Instructor Professional Qualifications: M.S., Electrical Engineering, Youngstown State University, 2010; B.E., Electrical Engineering, Youngstown State University, 1998
Instructor Office Location: Moser Hall Room 4104
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Course Description

1501L. Circuit Theory 1 Lab. Use of electrical components to construct circuits and use of electrical instrumentation including meters and oscilloscopes to analyze DC resistive series/parallel networks and basic RC & RL transient circuits. Computer circuit analysis with PSPICE. Three hours per week. Concurrent with EET 1501. 1 s.h.

Course Readings

Group	Title	Author	ISBN
	No Readings		

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Day	Date	Reading(s)	Proposed Topic	Due/To Prepare for Class
Tue	8/25		Lab Safety	
Tue	9/1	Chapter 1 & Chapter 2	Voltage Current and Resistance	Due 9/1 at 5pm: Lab #1 Voltage And Resistance
Tue	9/8	Chaptrer 3 & Chapter 4	Ohm's Law & Power	Due 9/8 at 5:59pm: Lab #2 Current, Voltage, Power
Tue	9/15	Chapter 5	Series Circuits	Due 9/15 at 11:59pm: Lab #3 Series Circuit
Tue	9/22	Chapter 5 & Chapter 6	Voltage Divider & Parallel Circuits	Due 9/22 at 11:59pm: Lab #4 Parallel Circuits
Tue	9/29	Chapter 7	Series - Parallel Circuits	
Tue	10/6	Chapter 7	Applications of Series - Parallel Circuits	Due 10/6 at 11:59pm: Lab #5 Series & Parallel
Tue	10/13	Chapter 8	Superposition	Due 10/13 at 11:59pm: Lab# 6 Applications of Series-Parallel Lab #7 Superposition
Tue	10/20	Chapter 8	Norton & Thevenin	Due 10/20 at 11:59pm: Lab #8 Thevenin & Norton
Tue	10/27	Chapter 9	Branch, Node & Loop	
Tue	11/3	Chapter 9	Branch, Node & Loop	

Tue	11/10	Chapter 10	Magnetic Devices	Due 11/10 at 11:59pm: Lab #9 Loop/Node
Tue	11/17	Chapter 12 & Chapter 13	Capacitors and Inductors	Due 11/17 at 11:59pm: Lab #10 Relays
Tue	11/24		Open Lab - Make up	Due 11/24 at 11:59pm: Lab 11 Capacitor & Inductor
Tue	12/1		Open Lab - Make up	

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.