

EET 3725L - Electromechanical Systems Lab

Fall 2026 Syllabus, Section 02, CRN 42569,

Credit hours: 1

Instructor

Charles Kohut

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Public Instructor Information

Instructor Title: Part-time Faculty

Instructor Professional Qualifications:

M.B.A., California State University, Fullerton, 1998

B.S.E.E., Old Dominion University, 1980

Instructor Office Location: Moser Hall Room 4120

Instructor Office Phone: 330-941-3745

Course Description

3725L. Electromechanical Systems Lab. Lab experiences to accompany EET 3725 Electromechanical Systems. Topics include lab safety, resistor color code, DC and AC circuits, oscilloscope and function generator, diode rectifiers, transistor switching circuits and amplifiers, three phase power measurements, transformer testing, DC and AC motor characteristics. Prereq.: none. Coreq.: EET 3725. 1 s.h.

Course Readings

Group	Title	Author	ISBN
Choose One	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	Proposed Topic	Due/To Prepare for Class
Thu	8/27	Intro	Safety & Equipment
Thu	9/3	Voltage, Current and Resistance	Lab #1 Due 9/3 at 11:59PM
Thu	9/10	Ohm's Law & Power	Lab #2 Due 9/10 at 11:59PM
Thu	9/17	Voltage Divider & Parallel Circuits	Lab #3 Due 9/17 at 11:59PM
Thu	9/24	Series - Parallel Circuits	Lab #4 Due 9/24 at 11:59PM
Thu	10/1	DC Machines	Lab #5 Due 10/1 at 11:59PM
Thu	10/8	Oscilloscope	Lab #6 Due 10/8 at 11:59PM
Thu	10/15	Reactance	Lab #7 Due 10/15 at 11:59PM
Thu	10/22	3 Phase	Lab #8 Due 10/22 at 11:59PM

Thu	10/29	Open - makeup	Lab #9 Due 10/29 at 11:59PM
Thu	11/5	Transformers / AC machines	Lab #10 Due 11/5 at 11:59PM
Thu	11/12	Boolean / Binary	Lab #11 Due 11/12 at 11:59PM
Thu	11/19	Logic Circuits	Lab #12 Due 11/19 at 11:59PM
Thu	11/26	Off	Thanksgiving
Thu	12/3	Open - makeup	Make-up Lab Date

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.