EET 4350 Electric Power Systems Fall 2025

When and where	Lecture (001) NE 2131 M,W - 12:55 – 2:15 pm	Lab (003) NE 1475 W 11:20-12:50 pm
Instructor	Prof. Wm Ted Evans, PhD, PE (Ohio)-Office: NE 1607, Phone 419-530-3349, cell 419-343-3681 Email: william.evans@utoledo.edu, web www.hybridplc.org	
Office Hours	9:30-12:00 M,W	
Prerequisite	**Prerequisites:** EET 3250 for UG with min of D- or ENGT 3050 for UG with min of D-	
Textbook	All posted on hybridplc.org website under course.	
Useful References		
Grading	**Homework 10 %, Quizzes 10 %, Labs 20 %** **Eaton Book Review 10 %, One Line Diagram 20%, Final exam II 30 %**	
Class rules and regulations	1. No eating, drinking, or smoking in classrooms. 2. There are no make-up exams for this course. If you have a problem or conflict and cannot attend an exam, let me know beforehand and we will try to work something out. No credit will be given for a missed exam that we haven't made arrangements about beforehand unless you have a ***really excusable*** emergency. Cell phone use will not be allowed. If you do not have a calculator, buy one and bring it to class. ***Cheating is not allowed and will be punished by rules of U of Toledo Student Handbook.***	
Catalog descriptions	This course constitutes a study of AC-DC machines, including transformers, power transmission and the regulations governing them as specified by industry and the National Electrical Code.	
Topics and reading assignments (subject to change, any changes will be notified in the class beforehand)		
Class dates (Exam dates are subject to change.)	Homework assignments are listed on the website and are accepted only before or on the assigned day. Labs are to be printed from the website and brought to lab. Labs to be graded only if submitted at end of assigned class period. Pop quizzes may occur any day at the end of the class period.	

EET 4350 Electric Power Systems Fall 2025

	Date	Lecture/Lab Schedule	Homewrk/Lab Due Date
Week 1	8/25/25		
	8/27/25	Chipman Text	
Week 2	9/1/25	Labor Day	
	9/3/25	Magnetic Ckts	
Week 3	9/8/25	Transformers	
	9/10/25	Start Transformer Calcs.	Trans Calcs 1, 2
Week 4	9/15/25	Eaton Transformer 101, Eaton SCCR 1	Half Page on Tr 101, Eaton SSCR 1
	9/17/25	Eaton SCCR 2, Eaton SCCR 3	Half page on Eaton SCCR 1, SCCR 2
Week 5	9/22/25	Electrical Faults Explained – Eaton, One Line Dwg	
	9/24/25		
Week 6	9/29/25		
	10/1/25		
Week 7	10/6/25		
	10/8/25		
Week 8	10/13/25	Fall Break	HW 7 Eaton White Paper
	10/15/25		HW, One Line, Eaton Review Due
Week 9	10/20/25		
	10/22/25		
Week 10	10/27/25		
	10/29/25		
Week 11	11/3/25		
	11/5/25		
Week 12	11/10/25		
	11/12/25		
Week 13	11/17/25		
	11/19/25		
Week 14	11/24/25		
	11/26/25	Thanksgiving	
Week 15	12/1/25		
	12/3/25		
Final			