EET 3250	Network Analysis	Spring 2026

When and where	Lecture (001) NE 2106 M,W 8:00-9:20 am		
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 1010, EET 1020, ENGT 3020		
Textbook	The Analysis and Design of Linear Circuits, 10th, Thomas, Ross, Toussaint, Wiley		
Useful References			
Grading	**Homework 10 %, Quizzes 10 %, Final 20 %** **Hour Exam 1 20 %, Hour Exam 2 20 %, Hour Exam 3 20%**		
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 consists of analysis of electrical wave-forms and first order time domain circuits, transient analysis of reactive circuits using Laplace transforms, system transfer functions, Bode plots and the interpretations of Fourier series and transforms		
Objectives	• Become proficient in the use of mathematical waveform models. • Become proficient in the use of Laplace transform techniques to analyze the transient behavior of reactive circuits. • Become proficient in the determination and manipulation of electrical system transfer functions. • Become proficient in the creation of Bode plots. • Apply mathematical models to the science of electric circuit analysis. • Creatively use computer simulation models to solve electric circuit problems. • Identify and solve time domain, transform domain, and frequency domain electric circuit problems. • Communicate the results of circuit analyses in written reports.		
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. Pop quizzes may occur any day at the end of the class period.		

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	Date	Lecture/Lab Schedule	Homework Due
Week 1	1-12-26	Ch. 2: 12, 13, 24, 25, 30, 31, 34, 37, 44, 48, 52, 53	
	1-14-26	Ch. 3: 3, 4, 9, 11, 20, 41, 58, 61	Ch. 2
Week 2	1-19-26	No Class	
	1-21-26	Ch. 4: 1, 2, 5	Ch. 3
Week 3	1-26-26	Ch. 5: 1, 2, 3, 4, 5, 6, 7	Ch. 4
	1-28-26	Ch. 6: 1, 2, 3, 4, 5	Ch. 5
Week 4	2-2-26		
	2-4-26	Ch. 7: 1-14	Ch. 6
Week 5	2-9-26		
	2-11-26	Ch. 8:	Ch. 7
Week 6	2-16-26		
	2-18-26	Test 1	Thru Ch. 8 allhybrid
Week 7	2-23-26	Ch 9:	
	2-25-26		
Week 8	3-2-26	Spring Break	
	3-4-26	Spring Break	
Week 9			
Week 10			
Week 11			
Week 12			
Week 13			
Week 14			
Week 15			
Final			