

Syllabus

Course: 3510. Electronics I (Devices and Materials). 3 Credits

Text: Sedra, A. S., Smith, K.C. (., Carusone, T. C., & Gaudet, V. (2019). Microelectronic Circuits (8th ed.). Oxford University Press Academic US. <https://bookshelf.vitalsource.com/books/9780190853532>

Hours: MW 3:00 to 4:50 PM in NTDP K110

Instructor: John Polson, Ph.D. john.polson@unt.edu

Office Hours: After class. Other times by zoom appointment (never on exam days – plan ahead). I will trade emails.

Grades:	90	-	100	A
	80	-	89	B
	70	-	79	C
	60	-	69	D
	0	-	59	F

Your grade is based on four exams (20% each), homework and quizzes (20%). Any scaling or curving of grades is done at the end of the semester (unlikely). Instructor's assessment of professional conduct may move score +/- 5%. DO NOT USE CANVAS CALCULATIONS; EENG3510 uses Canvas for assignment collection and posting raw scores but not grade calculation!

Exam 1: June 1, 2026

Exam 2: June 17, 2026

Exam 3 July 6, 2026

Exam 4 July 22, 2026

If your Exam 4 score is higher than the lowest score from your first three exams, your Exam 4 score replaces the lowest score. However, if your Exam 4 is the lowest score, all count equally. Exam 4 replaces any missed exam; there are NO MAKEUP EXAMS. If you miss two exams, the second records as zero. Assigned seating for exams. Once you start, you must turn it in before leaving.

Homework: You should work and understand every suggested and assigned problem. Follow homework submission standards below. Each problem (or section of a problem) has equal weight and is graded 10 points for correct answer, 5 points for incorrect answer, and 0 points for missing problem. Late homework is subject to penalties. Homework and worked quizzes are due via Canvas midnight Thursdays.

Quizzes: Initial quiz submission at the end of class (name alone ok) via Canvas (attendance). Submit final quiz with homework via Canvas (for score). You get a score on the quiz with any homework at the end of the week.

Academic Dishonesty: You are expected to follow the guidelines in the student handbook.

Submission Standards (5% penalty for not following standard)

1. **PRINT** your name and student number on every page (Last, First).
2. Start each problem on a new sheet of paper.
3. Work in soft pencil and neatly erase any corrections.
4. Work neatly down the paper in a single column.
5. Double underline your answer.
6. Number pages in the upper right hand corner A/B. Where: A is current out of total B (for this problem).
7. Follow the following format.

EENG2710	Due Date (A Thursday)	Last, First	Assignment #	A/B
	Problem Number.			
	Given: (Single line drawn with a straight edge separates Given from Required).			
	Required: (Single line drawn with a straight edge separates Required from Solution).			
	Solution: Double Underline your Answer! Make it neat and easy to grade!!!			

Watch your UNT e-mail for broadcasts.

Mt	Date	Topic	HW & Suggested HW Problems
1	Monday, May 18, 2026	Syllabus, Pre-requisites, Course Outline	
2	Wednesday, May 20, 2026	Chapter 1 - Background	
	Thursday, May 21, 2026	HW1 Due @ 23:59	1.17, 1.18, 1.45, 1.65, Q5-18, Q5-20
	Thursday, May 21, 2026	Add date	
	Monday, May 25, 2026	Memorial Day	
3	Wednesday, May 27, 2026	Chapter 3 - Semiconductors	
	Thursday, May 28, 2026	HW2 Due @ 23:59	3.1, 3.16, Q5-27
4	Monday, June 1, 2026	Exam 1	
	Wednesday, June 3, 2026	Drop date (no W)	
5	Wednesday, June 3, 2026	Chapter 4 - Diode	
	Thursday, June 4, 2026	HW3 Due @ 23:59	4.2, 4.4.a-d, Q6-03
6	Monday, June 8, 2026	Chapter 4 - Diode	Not picked up: 4.27
7	Wednesday, June 10, 2026	Chapter 4 - Diode	
	Thursday, June 11, 2026	HW4 Due @ 23:59	4.21, 4.41 a-d, Q6-08, Q6-10
8	Monday, June 15, 2026	Chapter 4 - Diode	
9	Wednesday, June 17, 2026	Exam 2	
	Thursday, June 18, 2026	HW5 Due @ 23:59	Q6-15
10	Monday, June 22, 2026	Chapter 5 MOSFET	
11	Wednesday, June 24, 2026	Chapter 5 MOSFET	
	Thursday, June 25, 2026	HW6 Due @ 23:59	5.16, 5.26, Q6-22, Q6-24
12	Monday, June 29, 2026	Chapter 5 MOSFET	
13	Wednesday, July 1, 2026	Chapter 5 MOSFET	
	Thursday, July 2, 2026	HW7 Due @ 23:59	5.24, 5.53, Q6-29, Q7-01
14	Monday, July 6, 2026	Exam 3	
15	Wednesday, July 8, 2026	Chapter 6 BJT	
	Wednesday, July 8, 2026	Withdraw date	
	Thursday, July 9, 2026	HW8 Due @ 23:59	6.2, 6.8
16	Monday, July 13, 2026	Chapter 6 BJT	
17	Wednesday, July 15, 2026	Chapter 6 BJT & 7 Amplifiers	
	Thursday, July 16, 2026	HW9 Due @ 23:59	6.17, 6.29 a-c, 7.10, Q7-13, Q7-15
18	Monday, July 20, 2026	Chapter 6 BJT & 7 Amplifiers	
19	Wednesday, July 22, 2026	Exam 4	
20	Unknown / Not Planned	Final Exam Date	