

**Homework:** Homework assignments will be completed online using ECS Moodle activities in the course Moodle site. There is a homework every week and each chapter will have at least one homework assignment. Problems shall either be from the textbook or created by the instructor. Most assignments are released Monday mornings at 6 am. Most homework assignments are due on Monday mornings at 5:00 am. All homework material is testable whether covered in class or only in the homework assignment.

**Quizzes:** There will be a quiz each week (except for exam weeks). The quizzes are self-paced online between the hours of 6 am and midnight each Wednesday in the ECS Moodle Quiz activity. The quiz must be completed in one session (no starting nor stopping with a break) in timed one continuous hour.

**Exams:** There will be two midterm exams and a final exam during the semester. The exams are a timed online test completed online using the ECS Moodle Quiz activity as scheduled in the syllabus. The student will use the online access of their choice during the regular class time. Exams are not self-paced and are taken **ONLY** during the scheduled class time. **Prior written permission** is required for all make-up exams and then only with compelling reasons in accordance with and as outlined by University policy.

**Grading Policy:** The course will be graded in accordance with University guidelines using the “+” and “-” method as called for by the University. Grades may be curved at the instructor’s discretion. The class average is usually in the C+ range. Typical (meaning somewhere around this region) grades ranges are:

“A” 94.5 and above    “A-” 89.5 to 94.49

“B+” 87.5 to 89.49    “B” 83.5 to 87.49    “B-” 79.5 to 83.49

“C+” 77.5 to 79.49    “C” 73.5 to 77.49    “C-” 69.5 to 73.49

“D+” 67.5 to 69.49    “D” 63.5 to 67.49    “D-” 59.5 to 63.49

F Below 59.5

**ECS Moodle Course sign-up**

1. Obtain valid ECS ID and password if you don’t already have one.
2. Your ECS email will be the contact method for the course. So use an email that you monitor frequently.
3. Log onto ECS Moodle: <https://moodle2.ecs.csus.edu/>
4. Go to “EEE117-2019S-Tatro”
5. Self-enroll into the EEE 117 course by entering the section appropriate code:  
Section 1 – use the code: 32570\_Sec-1

## EEE 117 - Section 1 - Course Outline – Spring 2019

Week	Date	Chapter	Topics:
1	1-21 1-23 1-25	9.1 – 9.3 9.4– 9.5	<b>Martin Luther King, Jr. Holiday – Campus Closed</b> EEE 117 Introduction and Phasor Domain Review Phasor Domain Review
2	1-28 1-30 2-01	9.7 – 9.9 10.1 – 10.3	Phasor Domain review Instantaneous, Average Power and rms
3	2-04 2-06 2-08	10.4 – 10.6 11.1 – 11.2	Complex Power, Power Calculations, Max Power Balanced Three-Phase
4	2-11 2-13 2-15	11.3 – 11.4 11.5 – 11.6	Analysis of Wye-Wye and Wye-Delta AC Power Calculations
5	2-18 2-20 2-22	12.1 – 12.2 <b>Exam 1</b>	Defn of Laplace, Step Function <b>Chapters 9, 10, 11 – Online 11:00 am to 12:00 pm</b>
6	2-25 2-27 3-01	12.3 – 12.4 12.5	Impulse Function and Functional Transforms Operational Transforms
7	3-04 3-06 3-08	12.6 12.7	Applying Transforms Inverse Transforms and PFE
8	3-11 3-13 3-15	12.8 – 12.9 13.1	Poles, Zeros, Initial and Final Value Theorems Circuit Elements in the s Domain
9	3-18 3-20 3-22		<b>Spring Recess</b>
10	3-25 3-27 3-29	13.2 – 13.3 13.4 – 13.7	Applications using s Domain analysis The Transfer Function and Steady State Response
11	4-01 4-03 4-05	<b>Exam 2</b>	<b>Cesar Chavez Birthday Observed – Campus Closed</b> <b>Chapters 12, 13 – Online 11:00 am to 12:00 pm</b>
12	4-08 4-10 4-12	Appendix E 14.1 – 14.2	AC Analysis with Bode Diagrams Low-Pass Filter
13	4-15 4-17 4-19	14.3 14.4 – 14.5	High-Pass Filter Band-pass Filters & Band-reject Filters
14	4-22 4-24 4-26	15.1 – 15.3 16.1 – 16.2	First-Order Active Filter Circuits Fourier Series
15	4-29 5-01 5-03	16.3 16.4 – 16.7	Use of symmetry in Fourier Series Alternate Trigonometric Form of the Fourier Series Average and rms value of a Periodic function
16	5-06 5-08 5-10		<b>Bode Diagram – in-class Final Exam Problem</b> Course wrap-up
17	5-14	<b>Final Exam</b>	<b>Bode Diagrams, Chapters 14, 15 and 16</b> Monday May 13, 2019 10:15 a.m. – 12:15 p.m.

### EEE 117 – Quiz, homework, and video assignments

Week	Date	Online Quiz	Homework	Videos/Lecture Notes
1	1-21 1-23 1-25			Chapter 9
2	1-28 1-30 2-01	Q1 – Chapter 9	H1 - Chapter 9	Chapter 10
3	2-04 2-06 2-08	Q2 - Chapter 9	H2 - Chapter 9 32625	Chapter 11
4	2-11 2-13 2-15	Q3 – Chapter 10	H3 – Chap 10	
5	2-18 2-20 2-22	<b>Exam 1</b>	H4 – Chapter 11	Chapter 12
6	2-25 2-27 3-01	Q4 – Chapter 12	H5 – Chapter 12	
7	3-04 3-06 3-08	Q5 - Chapter 12	H6 - Chapter 12	
8	3-11 3-13 3-15	Q6 - Chapter 12	H7 - Chapter 12	Chapter 13
9	3-18 3-20 3-22	<b>Spring Recess</b>		
10	3-25 3-27 3-29	Q7 - Chapter 13	H8 – Chapter 12 & 13	
11	4-01 4-03 4-05	<b>Exam 2</b>	H9 - Chapter 13	Bode Plots – Appendix E
12	4-08 4-10 4-12	Q8 – Bode Diagrams	H10 – Bode Diagrams	Chapter 14
13	4-15 4-17 4-19	Q9 – Chapter 14	H11 – Bode Diagrams and Chapter 14	Chapter 15
14	4-22 4-24 4-26	Q10 - Chapter 15	H12 - Chapters 14	Chapter 16
15	4-29 5-01 5-03	Q11 – Chapter 16	H13 - Chapters 15 & 16	
16	5-06 5-08 5-10	Q12 - Chapter 16	H14 - Chapters 16	
17	5-14	<b>Final Exam</b>		

### ECS Moodle Tips and Hints

1. The homework is available three weeks prior to the due date. You can “Submit” the homework as many times as you wish with the highest grade counting to your course score. I suggest you start the homework early and bring questions into class. You will NOT be able to see any assignment you did not complete (by submitting the assignment).
2. All quizzes are ONE submission only. The quiz is available every Wednesday from 6 am to 11:59 pm. During the quiz you will be able to “check” your answer. Wrong answers will receive a penalty of about 33% and you will be allowed at least three tries for each part of a problem. The computer will automatically submit your quiz at the end of the 60 minutes allowed for the quiz.
3. All exams are ONE submission only at the scheduled class time. During the exam you will be able to “check” your answer. Wrong answers will receive a penalty of about 33% and you will be allowed up to three tries for each part of a problem. The computer will automatically submit your exam at the end of the 60 minutes allowed for the exam. You must quickly send me your original work for my review if you feel a question was scored incorrectly or incompletely.
4. Periodically review your grade in the Moodle Gradebook. Bring to my attention any error or anomaly as soon as possible.

Entering questions answers into Moodle:

In most cases, you will be entering a number into Moodle as the answer to a calculation.

The following table shows you acceptable and not acceptable forms of an answer.

Intended Answer	Acceptable alternatives	Non-Acceptable
0.5	.5, 0.5, 0.500, 5e-1, 5E-1	1/2, 50%, 10/20, 20/40, ....
10,000	10000, 10E3, 10e3	10,000 (no comma allowed)
-40	-40, -40.00, -4E1, -4e1	
$\pi$ (pi)	3.14159 (as many digits as you care to use)	pi
Algebraic symbols	I will not ask you to enter equations symbolically into Moodle.	Do not enter common math symbols such as +, -, X, /, ln, e, and so on as an equation. 2+2 is not acceptable, enter “4” 2-2 is not acceptable, enter “0” And so on.