

# Course Syllabus

## Course Information

### Registrar Information

<i>Course #</i>	ECE 10
<i>Course title</i>	Electrical Circuits I
<i>Instructor</i>	Sudhakar Pamarti (instructor's profile is at <a href="https://samueli.ucla.edu/people/sudhakar-pamarti/">https://samueli.ucla.edu/people/sudhakar-pamarti/</a> ( <a href="https://samueli.ucla.edu/people/sudhakar-pamarti/">https://samueli.ucla.edu/people/sudhakar-pamarti/</a> ))
<i>Class time and location</i>	TR 6:00pm-7:50pm, Boelter 3400
<i>Final day and time</i>	Tuesday, March 21, 2023, 6:30pm-9:30pm
<i>Course units and description</i>	Search for the course at <a href="https://registrar.ucla.edu/academics/course-descriptions">https://registrar.ucla.edu/academics/course-descriptions</a> ( <a href="https://registrar.ucla.edu/academics/course-descriptions">https://registrar.ucla.edu/academics/course-descriptions</a> )
<i>Course prerequisite or requisites</i>	Search for the course at <a href="https://sa.ucla.edu/ro/public/soc">https://sa.ucla.edu/ro/public/soc</a> ( <a href="https://sa.ucla.edu/ro/public/soc">https://sa.ucla.edu/ro/public/soc</a> ) and click on the lecture link

### Course Materials

- *Required textbooks*: [Network Analysis, 3rd edition, by M. E. Van Valkenburg, Published by UC Library Bindery]
- *Lecture notes*

## Tentative Course Schedule/Outline

Course content is divided into weekly modules. Due dates are communicated within each Assignment tool.

<i>Week 1</i>	Introduction, circuit components, connections to physics
<i>Weeks 2, 3</i>	Circuit laws (KVL, KCL), network analysis techniques
<i>Weeks 4, 5</i>	Source transformations, superposition, Thevenin's/Norton's theorems

<i>Weeks 6, 7, 8</i>	1st order and 2nd order circuits, initial/final conditions
<i>Weeks 9, 10</i>	Sinusoidal steady state, phasors

## Course Policies

### Grading policies

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- Late-work: 10% penalty until late submission deadline for homework

Type	Quantity	Contribution to final grade
Homework	6 or 7	30%
Midterm Exams	2	40%
Final Exam	1	30%

### Grade Distribution

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Letter Grade Scheme:

<i>Grade</i>	<i>Percentage</i>
A+	100% to 96%
A	95.99% to 91%
A-	90.99% to 86%
B+	85.99% to 81%
B	80.99% to 77%
B-	71.99% to 68%
C+	67.99% to 64%
C	63.99% to 60%
C-	59.99% to 56%
D+	55.99% to 52%
D	51.99% to 50%
F	49.99% to 0%

## University Policies and Support for Students

### Academic Integrity

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UCLA is a community of scholars. In this community, all members including faculty, staff and students alike are responsible for maintaining standards of academic honesty. As a student and member of the University community, you are here to get an education and are, therefore, expected to demonstrate integrity in your academic endeavors. You are evaluated on your own merits. Cheating, plagiarism, collaborative work, multiple submissions without the permission of the professor, or other kinds of academic dishonesty are considered unacceptable behavior and will result in formal disciplinary proceedings usually resulting in suspension or dismissal. See the [Dean of Students website \(https://deanofstudents.ucla.edu/\)](https://deanofstudents.ucla.edu/) for more information.

[ source: Dean of Students syllabus statement ([syllabus \(https://deanofstudents.ucla.edu/file/4b995724-f033-476a-bccc-f6103528d959\)](https://deanofstudents.ucla.edu/file/4b995724-f033-476a-bccc-f6103528d959)) ]

## Accommodations for Students with Disabilities

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If you are already registered with the Center for Accessible Education (CAE), please request your Letter of Accommodation in the Student Portal. If you are seeking registration with the CAE, please submit your request for accommodations via the CAE website. Students with disabilities requiring academic accommodations should submit their request for accommodations as soon as possible, as it may take up to two weeks to review the request. For more information, please visit the [CAE website \(https://cae.ucla.edu\)](https://cae.ucla.edu), visit the CAE at A255 Murphy Hall, or contact us by phone at (310) 825-1501.

[ source: Center for Accessible Education ([Faculty Questions \(https://cae.ucla.edu/faculty/faqs\)](https://cae.ucla.edu/faculty/faqs)) ]

## Resources for Students

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UCLA provides resources if you are feeling overwhelmed and need personal and/or academic assistance.

Please see the [Red Folder \(https://studentincrisis.ucla.edu/file/39679e1c-a57d-48d0-83a2-a906c1e53669\)](https://studentincrisis.ucla.edu/file/39679e1c-a57d-48d0-83a2-a906c1e53669) for more information.

## Title IX and Equity, Diversity and Inclusion

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### Advocacy and Confidential Services:

Please note that Title IX prohibits gender discrimination, including sexual harassment, domestic and dating violence, sexual assault, and stalking. If you have experienced sexual harassment or sexual violence, you can receive confidential support and advocacy at the CARE Advocacy Office for Sexual and Gender-Based Violence, 205 Coovel Commons, Los Angeles, CA, 90095, [care@careprogram.ucla.edu](mailto:care@careprogram.ucla.edu), (310) 206-246 5. Counseling and Psychological Services (CAPS) provides confidential counseling to all students and can be reached 24/7 at (310) 825-0768.

### Reporting and Non-confidential Services:



Your professor is required under the UC Policy on Sexual Violence and Sexual Harassment to inform the Title IX Coordinator should he become aware that you or any other student has experienced sexual violence or sexual harassment. In addition, You can also report sexual violence or sexual harassment directly to the University's Title IX Coordinator, 2255 Murphy Hall, [titleix@equity.ucla.edu](mailto:titleix@equity.ucla.edu) , (310) 206-3417. Reports to law enforcement can be made to UCPD at (310) 825-1491.

## Engineering EDI Resources:

There are a number of specific resources on Equity, Diversity, and Inclusion available to students in the Samueli School of Engineering, including trained faculty officers in each department who can be consulted if you have a question on EDI issues and are not sure where else to turn. Please see <https://samueli.ucla.edu/equity-diversity-and-inclusion> (<https://samueli.ucla.edu/equity-diversity-and-inclusion>) for information.

## Course Summary:

Date	Details	Due
Thu Jan 26, 2023	 <a href="#">Hw 1</a> ( <a href="https://bruinlearn.ucla.edu/courses/154170/assignments/1361087">https://bruinlearn.ucla.edu/courses/154170/assignments/1361087</a> )	due by 6pm
Fri Feb 3, 2023	 <a href="#">HW2</a> ( <a href="https://bruinlearn.ucla.edu/courses/154170/assignments/1365245">https://bruinlearn.ucla.edu/courses/154170/assignments/1365245</a> )	due by 11:59pm
Tue Feb 21, 2023	 <a href="#">HW3</a> ( <a href="https://bruinlearn.ucla.edu/courses/154170/assignments/1371912">https://bruinlearn.ucla.edu/courses/154170/assignments/1371912</a> )	due by 11:59pm
Wed Mar 1, 2023	 <a href="#">HW4</a> ( <a href="https://bruinlearn.ucla.edu/courses/154170/assignments/1374286">https://bruinlearn.ucla.edu/courses/154170/assignments/1374286</a> )	due by 4pm
Thu Mar 9, 2023	 <a href="#">Hw #5</a> ( <a href="https://bruinlearn.ucla.edu/courses/154170/assignments/1377799">https://bruinlearn.ucla.edu/courses/154170/assignments/1377799</a> )	due by 11:59pm
Fri Mar 17, 2023	 <a href="#">Hw #6</a> ( <a href="https://bruinlearn.ucla.edu/courses/154170/assignments/1381087">https://bruinlearn.ucla.edu/courses/154170/assignments/1381087</a> )	due by 11:59pm
Sat Mar 25, 2023	 <a href="#">Hw #7 (Optional)</a> ( <a href="https://bruinlearn.ucla.edu/courses/154170/assignments/1386337">https://bruinlearn.ucla.edu/courses/154170/assignments/1386337</a> )	due by 11:59pm
	 <a href="#">Final Exam</a> ( <a href="https://bruinlearn.ucla.edu/courses/154170/assignments/1392398">https://bruinlearn.ucla.edu/courses/154170/assignments/1392398</a> )	

Date	Details	Due
	 <a href="#">Midterm1</a> ( <a href="https://bruinlearn.ucla.edu/courses/154170/assignments/1369292">https://bruinlearn.ucla.edu/courses/154170/assignments/1369292</a> )	
	 <a href="#">Midterm2</a> ( <a href="https://bruinlearn.ucla.edu/courses/154170/assignments/1380199">https://bruinlearn.ucla.edu/courses/154170/assignments/1380199</a> )	