

UT Dallas
EE/CE 1202 Introduction to Computer & Electrical Engineering II
Fall 2025

- **Professor Contact Information**

Instructor	Haifa Abulaiha
Email:	haifa.abulaiha@utdallas.edu
Course Website:	http://elearning.utdallas.edu/
Office hours:	Wed. 12:00pm – 1:00pm & Fri 1:00pm – 2:00 pm in ECSN 4.510 OR by appointment

- **Prerequisites:**

CE/EE 1100 – Introduction to Electrical & Computer Engineering I.

- **Time and Meeting Locations:**

- Lecture:
 - Section 1202.001 → Wednesday 1pm - 2:15 pm at ECSS 2.415*.
 - Section 1202.002 → Friday 8:30 am – 9:45am at ECSN 2.110*.
- * Attendance is strongly encouraged.
- Reflection Questions over each lecture are in the *Reflection Questions* folder of your eLearning Lecture section. They will be open for 24 hours, beginning at the end of your lecture time.
- Lab sections: Tue./Thurs./Fri. in SPN 1.115 – check your schedule for your time slot.

- **Course Objectives:**

By the end of this course, you should:

- Understand basic concepts that will prepare you for success in your Fundamentals Labs, CE/EE 3301, CE/EE 3302, CE/EE 3201 and courses that require a background in embedded systems such as Senior Design.
- Have acquired laboratory experience that deepened your understanding of concepts covered in lectures.
- Have developed essential engineering "soft" skills of technical writing, networking and career planning.

- **Required Materials:**

- The course will use McGraw Hill Connect for homework assignments and tests. An online version of the text will be included with Connect. Purchase of a hardcopy is optional (not recommended) but purchase of Connect is required. Sign up for Connect at: https://connect.mheducation.com/class/h-abulaiha-fall2025_1202
- Personal computer (NOT a tablet, Ipad or phone); minimum operating system: Windows 10, MacOSX 10.13+ or Chrome OS. Webcam & audio capability and a reliable internet connection. If you need assistance acquiring this equipment, please go to OIT Tech Support: <https://oit.utdallas.edu/helpdesk/> .

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- **Course Evaluation:**

Exams (3)	10% each
Lab	30%
Professional Development	20%
Reading and homework	12%
Weekly Reflection Questions	8%

Notes:

- 1. Lab participation is mandatory.** *If you do not complete at least 9 out of the 12 lab assignments, you will receive a failing grade in this course.*
- 2. Tests time and location will be confirmed.**

- **Grading scale:**

$90 \leq A- < 93$	$93 \leq A < 97$	$97 \leq A+ \leq 100$
$80 \leq B- < 83$	$83 \leq B < 87$	$87 \leq B+ < 90$
$70 \leq C- < 73$	$73 \leq C < 77$	$77 \leq C+ < 80$
$60 \leq D- < 63$	$63 \leq D < 67$	$67 \leq D+ < 70$
$0 \leq F < 60$		

- **Important Class Dates:**

- *First Lecture:*
 - 1202.001 → August 27
 - 1202.002 → August 29
- Fall 2024 Career & Internship Fair Days: Sept.10, from 10am – 4pm. For more information, go to: <https://career.utdallas.edu/> and <https://career.utdallas.edu/employers/recruitment/>.
- For information on Handshake go to: <https://utdallas.joinhandshake.com/login>.
- *Test 1:* review in class, Sept. 24 & 26; **test 1 on Sept. 29 @ FN 2.102 6pm-8pm**
- *Test 2:* review in class, Oct. 29 & 31; **test 2 Nov. 3 @ FN 2.102 6pm-8pm**
- *Test 3:* review in class, Dec. 3 & 5; **test 3 on Dec. 8 @ FN 2.102 6pm-8pm**
- *Last Day of Class:*
 - Lecture meetings, Dec. 3 & 5 – Test 3 Review
 - Lab meetings, Dec. 2,4 &5 – Oral Reports

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- **How to Succeed in this Class:**

- **Attend lectures;** take notes; take weekly quizzes; practice **recalling** the material we cover - frequently. Read the study tips provided by last semester's A students & follow their advice.
- Attend all lab sessions and start homework assignments early so you can ask me for assistance during office hours. Work practice problems and rework homework problems several times. Work with friends so you can practice their problems too.
- Go to IEEE tutoring sessions.
- Access the SSC videos and math tutoring.
- Form a study group of classmates. Work together to master concepts. Quiz each other to prepare for tests.
- See or email me when you have questions about lecture or homework. (*PLEASE include your lab section number in the subject line. Email from your UTD address.*) If you have questions about lab or a lab score, see or email one of the TAs first.
- Keep up with your grades using the "My Scores" file located in the Bookkeeping folder of the eLearning lecture section.

- **Course Policies:**

- Assignments are to be submitted according to instructions in the "Assignment Summary" file (Bookkeeping folder of eLearning lecture section).
- Lab attendance is mandatory. Failure to attend lab and work with a partner will result in a failing course grade. Solo written and oral reports will not be accepted. They are to be completed with your lab partner.
- I will allow makeup work only for university sanctioned activities and extraordinary circumstances - such as a death in your family. You must provide documentation to verify all such activities and circumstances.
- You may dispute any graded work within one week of the return of that work.
- Copying on examinations is cheating and is prohibited. Any instances of cheating or plagiarism will be subject to disciplinary penalties according to the UT Dallas policy on scholastic dishonesty. The penalties include the possibility of failure in the course and/or dismissal from the University. Since such dishonesty harms the individual, all students and the integrity of the University, I will strictly enforce the policies on scholastic dishonesty. Read the policy at <http://www.utdallas.edu/deanofstudents/dishonesty/>.
- I will post announcements, lecture slides, homework assignments, lab assignments and complementary materials on eLearning. Check regularly – both your lecture and lab sections – so you do not miss anything!

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• **Class Plan:**

<i>Lecture</i>		<i>Lecture Topic(s)</i>	<i>Laboratory topic</i>
#	<i>Week of</i>	<i>Wednesday or Friday</i>	<i>Tuesday or Thursday or Friday</i>
1	Aug. 25	Introduction to CE/EE 1202, KVL & KCL	Workshop to review 1100 material & work with equipment
2	Sep. 1	Fundamental Laws of Electric Circuits	Lab 1: Introduction to KVL & KCL
3	Sep. 8	Sinusoids and Phasors	Lab 2: Equivalent resistance & voltage division
4	Sep. 15	Capacitors and Inductors	Lab 3: Complex Impedance
5	Sep. 22	Test 1 Review	Lab 4a: Introduction to Matlab, Week 1
6	Sep. 29	Test 1 Sep. 29 @ FN 2.102 6pm-8pm Introduction to Op Amps	Lab 4b: Introduction to Matlab, Week 2
7	Oct. 6	Gain Eqn. Derivation	Lab 5a: Signal Processing with Op Amps (Summing Amp.)
8	Oct. 13	Intro. to Filters & A Look Inside an Op Amp	Lab 5b: Signal Processing with Op Amps (High Pass Filter)
9	Oct. 20	Filters, con't. & A Look Inside an Op	Lab 6: Introduction to Microcontrollers
10	Oct. 27	Test 2 Review	Lab Make-ups
11	Nov. 3	Test 2 Nov. 3 @ FN 2.102 6pm-8pm Analog to Digital Conversion	Lab 7: Electronic Dice Roller
12	Nov. 10	Analog Communication Systems	Lab 8: Analog to Digital Conversion
13	Nov. 17	Digital Communication Systems Preparing & Giving an Oral Presentation	Lab 9: Transmitting and Receiving Messages
	Nov. 24	Fall Break – no classes this week (UTD closed)	--
14	Dec. 1	Test review	Professional Development 4: Oral Report (Lab 10)
15	Dec. 8	Test 3 Dec. 8 @ FN 2.102 6pm-8pm No lecture this week;	--

These descriptions and timelines are subject to change at my discretion (i.e. if necessary).

All due dates are listed in the Summary of When and Where Assignments.

• **Steps for turning in assignments on eLearning:**

1. Install a scanning app on your phone and use it to convert your assignment to a pdf.
2. Do not use Safari (browser) to submit your Turnitin assignment. Firefox or Chrome are recommended.
3. Submitting your assignment is a two-step process:
 - a. Upload your file.
 - b. Review the preview image of your document to make sure it is correct. If it is not, resubmit it.
 - c. Click the *Confirm* button. If you do not click *Confirm*, your assignment will not be submitted.
4. Make sure you get the email confirmation. If you do not receive an email confirmation, your assignment WAS NOT submitted successfully. Try again, making sure you are following steps 2 and 3 properly.
5. For additional assistance, contact elarning@utdallas.edu.

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- **Class Materials**

The instructor may provide class materials that will be made available to all students registered for this class as they are intended to supplement the classroom experience. These materials may be downloaded during the course, however, these materials are for registered students' use only. Classroom materials may not be reproduced or shared with those not in class or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation. Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).

- **Classroom Conduct Requirements Related to Public Health Measures**

UT Dallas will follow the public health and safety guidelines put forth by the Centers for Disease Control and Prevention (CDC), the Texas Department of State Health Services (DSHS), and local public health agencies that are in effect at that time during the Fall 2021 semester to the extent allowed by state governance. Texas Governor Greg Abbott's Executive Order [GA-38](#) prohibits us from mandating vaccines and face coverings for UT Dallas employees, students, and members of the public on campus. However, we strongly encourage all Comets to get vaccinated and wear face coverings as recommended by the CDC. Check the [Comets United: Latest Updates webpage](#) for the latest guidance on the University's public health measures. Comets are expected to carry out [Student Safety](#) protocols in adherence to the Comet Commitment. Unvaccinated Comets will be expected to complete the [Required Daily Health Screening](#). Those students who do not comply will be referred to the Office of Community Standards and Conduct for disciplinary action under the [Student Code of Conduct – UTSP5003](#).

- **Class Attendance**

The University's attendance policy requirement is that individual faculty set their course attendance requirements. Regular and punctual class attendance is expected. Students who fail to attend class regularly are inviting scholastic difficulty. In some courses, instructors may have special attendance requirements; these should be made known to students during the first week of classes. Faculty have the discretion to set an attendance policy for their in-person meetings, but the absences due to COVID-19 cannot be counted against a quarantined student.

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- **Class Participation**

Regular class participation is expected. Students who fail to participate in class regularly are inviting scholastic difficulty. A portion of the grade for this course is directly tied to your participation in this class. It also includes engaging in group or other activities during class that solicit your feedback on homework assignments, readings, or materials covered in the lectures (and/or labs). Class participation is documented by faculty. Successful participation is defined as consistently adhering to University requirements, as presented in this syllabus. Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).

- **Comet Creed**

This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:

“As a Comet, I pledge honesty, integrity, and service in all that I do.”

- **Academic Support Resources**

The information contained in the following link lists the University’s academic support resources for all students.

Please see <http://go.utdallas.edu/academic-support-resources>.

- **UT Dallas Syllabus Policies and Procedures**

The information contained in the following link constitutes the University’s policies and procedures segment of the course syllabus. Please review the catalog sections regarding the [credit/no credit](#) or [pass/fail](#) grading option and withdrawal from class.

Please go to <http://go.utdallas.edu/syllabus-policies> for these policies.