

ECE2560  
Introduction to Microcontrollers  
Spring 2022

<http://u.osu.edu/khanece2560/>  
<http://u.osu.edu/khan.1/>

**Instructor:** Furrakh Khan, [khan.1@osu.edu](mailto:khan.1@osu.edu)  
**Office:** Dreese Lab. 320

**TA Office Hours:**  
**To be announced**

**Required Experimenter's Board:**  
MSP430FR6989 LaunchPad Development Kit (MSP-EXP430FR6989)  
Can be purchased from Texas Instruments, Digi-Key, Mouser etc.  
(\$33.99 from Amazon) **Note:** A textbook is not required.

**Optional Reference Book:**  
*MSP430, Microcontroller Basics*, John H. Davies, Newnes, First Edition.  
ISBN- 978-0-7506-8276-3

**Assignments:**  
**All assignments (HWs, MTs and the Final) will be take home.** You will have one week to work on your assignments. The assignments can be done in a few hours; however, you will be given a week so that you can work on them anytime during the week. There is no requirement to self-time yourselves.

- **Quizzes:** 20% (Posted on Sundays, due next Sunday in a week)
- **Midterm 1:** 20% (Posted Sunday – Feb. 20, due Sunday – Feb. 27)
- **Midterm 2:** 20% (Posted Sunday – March 20, due Sunday – March 27)
- **Project:** 15% (Posted Sunday – April. 3, due Sunday – April 10)
- **Final:** 25% (Posted Friday April. 22, due Friday – April 29)

**!!Make-up Policies!!**

HWs cannot be made-up. Midterm and final examination may be made-up only due to illness **during the whole week** of the assignment (a doctor's note is required).

**Academic Misconduct Statement:**

Any student found to have engaged in academic misconduct, as set forth in the Code of Student Conduct Section 3335-23-04, Prohibited Conduct, will be subject to disciplinary action by the university. Academic misconduct is any activity that tends to compromise the academic integrity of the university or subvert the educational process.

**Student Conduct:**

Students are expected to abide by the provisions in the Code of Student Conduct. The University's Code of Student Conduct and Sexual Harassment Policy are available on the OSU Web page

**Accessibility accommodations for students with disabilities****Requesting accommodations:**

The university strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability including mental health, chronic or temporary medical conditions, please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. **SLDS contact information:** [slds@osu.edu](mailto:slds@osu.edu); 614-292-3307; 098 Baker Hall, 113 W. 12<sup>th</sup> Avenue.

**Accessibility of course technology:**

This online course requires use of Carmen (Ohio State's learning management system) and other online communication and multimedia tools. If you need additional services to use these technologies, please request accommodations with your instructor.

- [CarmenCanvas accessibility](#)
- [CarmenZoom accessibility](#)

## ECE Diversity and Antiracism Statement

Success in engineering requires multiple perspectives, a wide range of expertise, and diverse backgrounds to solve societal problems and advance science. To be a student, faculty, or staff member in the Department of Electrical and Computer Engineering means being innately tied to a rich tapestry of diverse cultures, ethnicities, and backgrounds through people from all over the world. ECE faculty and staff aspire to hear the voices of those disenfranchised by racism. As educators and mentors within ECE, we will promote a culture of care. We are working to become better allies to create a safer society for everyone, and to invite all of our students, staff, and faculty to be courageous, take a stand against racism, and condemn any form of racial injustice. Not only do we help cultivate diversity in ECE, we celebrate it.

*The Office of Institutional Equity (OIE) at Ohio State responds to all bias-motivated incidents of harassment and discrimination, such as race, religion, national origin and disability. For more information on OIE, visit [equity.osu.edu](https://equity.osu.edu) or email [equity@osu.edu](mailto:equity@osu.edu).*

## Counseling and Consultation Services

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting [ccs.osu.edu](https://ccs.osu.edu) or calling **614-292-5766**. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on-call counselor when CCS is closed at **614-292-5766** and 24-hour emergency help is also available through the 24/7 National Suicide Prevention Hotline at **1-800-273-TALK** or at [suicidepreventionlifeline.org](https://suicidepreventionlifeline.org).

*The ECE website also offers a listing of [student wellness and support services](#) available at Ohio State.*