



Oregon State  
University

# THE OREGON STATE ENGINEERING STUDENT ENGR 100

Winter 2022

## COURSE INFORMATION

Course Name: The OSU Engineering Student

Course Number: ENGR 100

Credits: 3

Dates of Instruction: January 3, 2022 through March 11, 2022

Finals Week: March 14, 2022 through March 18, 2022

## COURSE DESCRIPTION

Enables students to be successful both at Oregon State and in their engineering careers. Illustrates and uses effective teaming practices that account for social justice and equity. Analyzes professional codes of conduct and ethical practices in engineering professions through the lens of multidisciplinary and societally relevant engineering challenges. Develops critical thinking skills to collaboratively identify engineering problems and to articulate possible solutions. Engages students in major exploration through the lens of engineering challenges. View the notes section to find out more about the different topics in each section of ENGR 100.

## COURSE LEARNING OUTCOMES

At the end of the course, all students will be able to:

1. State, understand, and apply university and professional codes of conduct and ethical practices in the field (e.g. engineering profession).
2. Identify and leverage tools and resources, success skills and high-impact experiences at OSU. Understand the components and begin generation of a professional resume and portfolio.
3. Use engineering critical thinking, different perspectives of peers and informed decision-making to identify and evaluate the validity of resources.
4. Engage in team activities to establish goals, meet objectives, assess performance, and demonstrate inclusive and socially just team practices.
5. Collaboratively, analyze a specific problem from the discipline and design a solution.
6. Identify best practices for communicating technical concepts through written, oral, and/or poster presentation.
7. Compare and analyze professional activities in the field and related engineering disciplines to inform major selection.

## REQUIRED MATERIALS

The instructor will provide handouts, selected reading and notes through the Canvas online platform.

## CONTACT INFORMATION

Instructor Name: Brian Baker, MS Computer Science

Instructor Email: [bakerb6@oregonstate.edu](mailto:bakerb6@oregonstate.edu)

For general course questions, please post in Teams or Discussions Q&A Board. For personal questions, the best way to reach me is through a Canvas message. You'll always have my email, but between two campuses worth of email and personal email it is much easier to get lost in my inbox. Canvas messages from students pop up a notification on my mobile device

and I can reply to you directly. We can also arrange to meet via Zoom from there if you want to have a more in depth conversation about something.

Office Hours: I will be holding office hours on Zoom, I just feel like it gives a better sense of connection when you can see the instructors face and have a slightly more human conversation. I have found that online students tend to prefer evenings, so my office hours for this term will be Tuesday evenings from 6:00PM to 7:00PM at the Zoom Room linked below.

Link: <https://oregonstate.zoom.us/my/bakerb6?pwd=WnAxWmNZWHcvK1BDd2lOT1ViOU82dz09>

Meeting ID: 559 000 1313

Password: Turing

## COMMUNICATION POLICY

Please post all course-related questions in the Q&A Discussion board or in Teams so the whole class may benefit from our conversation. Please send a Canvas Inbox message to your instructor for matters of a personal nature. I will reply to course-related questions and Inbox messages within 36 hours. I will strive to return your assignments and grades for course activities to you within one week (7 days) of the due date.

## GRADE DISTRIBUTION

Category	Percentage of Final Grade
Assignments (Homework, Self-check Quizzes, Discussion Posts)	50%
Term Project (Presentations and Discussion Posts)	25%
Studio (Memos and Discussion Posts)	25%

## GRADING SCALE

Letter Grade	Final Percentage	Letter Grade	Final Percentage
A	93.0% and Above	C	73.0% to 76.9%
A-	90.0% to 92.9%	C-	70.0% to 72.9%
B+	87.0% to 89.9%	D+	67.0% to 69.9%
B	83.0% to 86.9%	D	63.0% to 66.9%
B-	80.0% to 82.9%	D-	60.0% to 62.9%
C+	77.0% to 79.9%	F	59.9% and Below

## ASSIGNMENTS

Homework, self-check quizzes, surveys and discussion posts will be given throughout the term. These are due on the date assigned by 11:59 pm and will be uploaded through Canvas. Please see the policy below regarding late work.

## TERM PROJECTS

A term project will be part of this course. Your studio team will provide a two recorded presentations this term. The first will occur in studio in week 5 of the course and the second in week 10 of the course.

## **STUDIOS**

Brief studio memos will be completed for most of the studios and uploaded to the Canvas Studio submission area. Your team will also participate in asynchronous discussion posts to work toward studio memo deliverables and your term project completion. These reports are a group effort and everyone should collaborate on them in Google Docs. For group reports, every person in your group is expected to contribute to the write-up. Each person in the studio team will receive the same grade.

## **EXAMS**

No mid-term or final exam is given for this class.

## **LATE WORK POLICY**

All assignments will be submitted through Canvas so they are time and date stamped. You will be given a penalty of 40% credit (two letter grades) on any assignment that is turned in up to 48 hours late. After 48 hours of the original due date and time no credit will be earned (e.g. a score of 0% on the assignment). Any requests for exception to this policy for verified special circumstances can only be approved by instructor.

## **LATE WORK POLICY**

These four roles will be used for all group work in the course including Studios and Term Projects.

### **Equity Monitor**

- Makes sure everyone is contributing
- Encourages all voices to be heard, asks questions of people to give them space to contribute

### **Product Monitor**

- Makes sure everyone's contributions are present in the deliverables
- Oversees team contract, studio memos, presentations

### **Facilitator**

- Keeps the team on track
- Organizes communication

### **Resource Monitor**

- Makes sure a variety of reliable resources are being used to justify project
- Does final quality control check on deliverables

## **RESOURCES FOR SUPPORT**

If you have a technical issue or question when using Canvas, 24/7 support is available through the Help link in the menu via chat, phone, or e-mail.

Additional technical support (use of software/browsers) can be accessed through the OSU Service Desk.

For all other academic and student support services, refer to the Ecampus Student Services link found within the course menu. The below services are available to all Ecampus students:

- Disability Access Services
- The Writing Center and Online Writing Lab
- The Valley Library
- Ecampus Success Counseling
- Ecampus Enrollment & Student Services
- Check Your Computer test - ensure you have installed the minimum required technology for Ecampus courses.

## **REACH OUT FOR SUCCESS**

University students encounter setbacks from time to time. If you encounter difficulties and need assistance, it's important to reach out. Consider discussing the situation with an instructor or academic advisor. Learn about resources that assist with wellness and academic success at <https://oregonstate.edu/ReachOut>. If you are in immediate crisis, please contact the Crisis Text Line by texting OREGON to 741-741 or call the National Suicide Prevention Lifeline at 1-800-273-TALK (8255)

## **STATEMENT OF NON-DISCRIMINATION**

Oregon State University prohibits discrimination in all its programs, services, activities, and materials on the basis of race, color, national origin, religion, sex, gender identity (including gender expression), sexual orientation, disability, age, marital status, familial/parental status, income derived from a public assistance program, political beliefs, genetic information, veteran status, reprisal or retaliation for prior civil rights activity.

Discrimination whether overt or covert will not be tolerated in this course or the classroom. Acts of discrimination will be reported to the OSU Office of Equal Opportunity and Access (OEOA). All members of the university community may raise complaints of discrimination, harassment, and bullying with the EOA. Individuals who feel they are being treated unfairly because of a protected status or in retaliation for engaging in a protected activity, or individuals who believe they are subjected to behavior that rises to the level of bullying should go to the Office of Equal Opportunity and Access to talk through the situation and may do so without entering into the complaint process. For more information, visit the OEOA website: <http://eoa.oregonstate.edu/complaints>.

## **ESTABLISHING A POSITIVE COMMUNITY**

It is important you feel safe and welcome in this course. If somebody is making discriminatory comments against you, sexually harassing you, or excluding you in other ways, contact the instructor, your academic advisor, and/or report what happened at <https://studentlife.oregonstate.edu/studentconduct/reporting> so we can connect you with resources.

## **EXPECTATIONS FOR STUDENT CONDUCT**

Students are expected to behave in a courteous and respectful manner toward their peers and instructors at all times. Class disruptions will not be tolerated. For more information on student conduct and university policies, please see the following website: <https://beav.es/codeofconduct>.

Students are expected to be honest and ethical in their academic work. Academic dishonesty is defined as an intentional act of deception in one of the following areas:

- Cheating- use or attempted use of unauthorized materials, information or studyaids
- Fabrication- falsification or invention of any information
- Assisting- helping another commit an act of academic dishonesty
- Tampering- altering or interfering with evaluation instruments and documents
- Plagiarism- representing the words or ideas of another person as one's own

### **Sanctions**

Generally, for first-time, non-egregious violations, sanctions will include an educational sanction and an academic penalty. The academic penalty can range from a reduction of assignment or exam points up to an F on the assignment or exam. For more severe or repeated violations, the full range of CHO sanctioning authority can include a grade penalty up to an "F" for the course, a restriction and reversal of grade replacement or withdrawal options regarding the academic transcript and registrar's records, or removal of the student's enrollment in a college or program.

### **Student Conduct for Remote Learning**

Students are expected to behave in a courteous and respectful manner toward their peers and instructors at all times in all remote learning venues. This includes official class meetings (typically held on Zoom), all Canvas activities including Discussion Posts and embedded collaboration tools including Google Docs. When you meet outside of the class or recitation times for group work, homework collaborations or anything related to ENGR 100 you are still conducting official university academic work and are subject to the same expectations outlined in this syllabus and at: <https://beav.es/codeofconduct>.

### **Chat Feature in Zoom**

The chat feature in Zoom is to be used for topics that are only related to ENGR 100 including questions about lecture or recitation material, clarity on assignments or discussions directly related to ENGR 100 course topics being discussed at that time. Personal conversations are not appropriate to be held over the chat. All chat should be courteous, kind and respectful and abide by all university rules and regulations regarding student conduct. Posting external links, images, videos, etc. should generally be avoided. If it is necessary to share such a link the content should be on ENGR 100 course topics only and should also adhere to all rules and regulations regarding student conduct. Private chat between students is disabled and not allowed.

### **STUDENTS WITH DISABILITIES**

Accommodations for students with disabilities are determined and approved by Disability Access Services (DAS). If you, as a student, believe you are eligible for accommodations but have not obtained approval please contact DAS immediately at 541-737-4098 or at <http://ds.oregonstate.edu>. DAS notifies students and faculty members of approved academic accommodations and coordinates implementation of those accommodations. While not required, students and faculty members are encouraged to discuss details of the implementation of individual accommodations.

### **RELIGIOUS ACCOMMODATIONS**

Oregon State University ensures that religious observances and practices of students with sincerely held religious beliefs are accommodated unless doing so presents an undue hardship or requires a fundamental alteration of a course or program of study. It is incumbent on the student making the request to make the faculty member aware of the request as soon as possible prior to the need for the accommodation.

### **STUDENT EVALUATION OF COURSES**

The online Student Evaluation of Teaching (eSET) system opens to students the Monday of the last week of classes and closes the Monday following the end of finals. Students will receive notification, instructions and the link through their ONID. Responses are anonymous (unless a student chooses to "sign" their comments agreeing to relinquish anonymity) and unavailable to instructors until after grades have been posted. The results of scaled questions and signed comments go to both the instructor and theirunithead/supervisor. Anonymous(unsigned)commentsgototheinstructoronly.