Course Syllabus

A PDF version of this syllabus can be found here.

Course Information

Course Name: The OSU Engineering Student  
Course Number: ENGR 100  
Credits: 3  
Dates of Instruction: June 26, 2023 through August 18, 2023  
Finals Week: August 14, 2023 through August 18, 2023

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

1. At the end of the course, all students will be able to:
   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 Textbooks and Materials

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

Meet Your Instructor

This video is from another course, but is still a good introduction to who I am. I am aware this is not CS 478 Network Security. 😊

Contact Information

Instructor Name: Scott Kerlin, MS Computer Science

Instructor Email: scott.kerlin@oregonstate.edu

For general course questions, please post in the Ed Discussion Q&A board. For personal questions, the best way to reach me is through a Teams message or Email. We can also arrange to meet via Teams (or Zoom) from there if you want to have a more in-depth conversation about something.
Office Hours: I will be holding office hours on Teams, I just feel like it gives a better sense of connection when you at least have the option to see the instructors face and have a slightly more human conversation. **Office Hours officially begin Week 2.**
-- TBD
-- On-Demand: [New Summer link TBD] Do note that On-Demand appointments cannot (usually) be scheduled for the current day as they fill up quickly.

**Teaching and Learning Assistants:**

Office Hours officially begin Week 2

Click on the "Microsoft Teams" link in the Canvas sidebar menu to go to our Teams Site.

All Office Hours are in OSU time (PST).

Wadood Alam ([Please Enter Your Major], Graduate)
alamw@oregonstate.edu (mailto:alamw@oregonstate.edu)
Office Hours:
-- TBD

Alex Johnson (ME, Undergraduate)
johnsa22@oregonstate.edu (mailto:johnsa22@oregonstate.edu)
Office Hours:
-- TBD

Emmanuel Rojales (CS, Postbac)
rojalese@oregonstate.edu (mailto:rojalese@oregonstate.edu)
Office Hours:
-- TBD

**Ed Discussions**

Much of our course communication will be done through Ed Discussions. While your groups may choose any collaboration tools you like the Instructor, GTA and ULAs will use Ed Discussion to answer most of
your class related questions. You will also find it a helpful way to communicate other students. Just click on Ed Discussions in the course’s main navigation area and post a question to start.

Communication Policy

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

Grading Distribution

Assignments makeup 50% of final grade. Term Project is 25% of final grade. Studio work is 25% of grade.

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage of Final Grade</th>
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<tbody>
<tr>
<td>Assignments (Homework, Self-check Quizzes,</td>
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<tr>
<td>Discussion Posts)</td>
<td></td>
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<tr>
<td>Term Project (Presentations and Discussion Posts)</td>
<td>25%</td>
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<tr>
<td>Studio (Memos and Discussion Posts)</td>
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Grading Scale

Letter Grade Cutoff Percentages

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<tr>
<th>Letter Grade</th>
<th>Final Percentage</th>
<th>Letter Grade</th>
<th>Final Percentage</th>
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<tr>
<td>A</td>
<td>93.0% and Above</td>
<td>C</td>
<td>73.0% to 76.9%</td>
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<tr>
<td>A-</td>
<td>90.0% to 92.9%</td>
<td>C-</td>
<td>70.0% to 72.9%</td>
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<tr>
<td>B+</td>
<td>87.0% to 89.9%</td>
<td>D+</td>
<td>67.0% to 69.9%</td>
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<tr>
<td>B</td>
<td>83.0% to 86.9%</td>
<td>D</td>
<td>63.0% to 66.9%</td>
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<tr>
<td>B-</td>
<td>80.0% to 82.9%</td>
<td>D-</td>
<td>60.0% to 62.9%</td>
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<tr>
<td>C+</td>
<td>77.0% to 79.9%</td>
<td>F</td>
<td>59.9% and Below</td>
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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 two recorded presentations this term. The first is due at the end of Week 4 of the course and the second is due at the end of week 7 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 20% credit 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.

Four Team Roles

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 (http://is.oregonstate.edu/service-desk).

For all other academic and student support services, refer to the Ecampus Student Services (https://ecampus.oregonstate.edu/services/courses/resources.htm) 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 (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 study aids
• 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, Teams, and Ed Discussion. 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.

Accessibility Tools for Canvas

Immersive Reader is embedded within your Ecampus course. Please use this link to learn more about Immersive Reader -- Alternative Formats (blackboard.com) (https://help.blackboard.com/Ally/Ally_for_LMS/Student/Alternative_Formats)

Accessibility Statements

This course uses technologies that may support accessibility in different ways. Please refer to the accessibility statement for each technology provider for details as to the level and types of accessibility that are supported.

Access Accessibility Statements (https://ecampus.oregonstate.edu/services/courses/accessibility.htm) for commonly used software.

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.

Privacy Policies

Access Privacy Policies (https://ecampus.oregonstate.edu/services/courses/privacy.htm) for commonly used external tools that require the user to create an account.

Copyright for Course Materials

- The materials on this course website are only for the use of students enrolled in this course for purposes associated with this course and may not be retained or further disseminated.
Course materials are cited within the Syllabus and Modules based on the copyright policy of each item. When copyright permission is required, ecampus has contacted the copyright owner. When a fair use determination has been made, this has been documented. Images that are not cited have been obtained from the public domain or via a paid subscription or are images taken by the instructor.

Please contact the instructor if you have any questions about the copyright and ownership of materials presented in this course.

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 their unit head/supervisor. Anonymous(unsigned) comments go to the instructor only.

Course Summary:

<table>
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<th>Date</th>
<th>Details</th>
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<tr>
<td></td>
<td><strong>First Post Multi-team Discussion</strong> (<a href="https://canvas.oregonstate.edu/calendar?event_id=2727789&amp;include_contexts=course_1923665">Link</a>)</td>
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<td>Class Discussion:**</td>
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<td>Studio 1</td>
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<td>**Week 1</td>
<td>Introduce Yourself**</td>
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<td>Pre Assessment Survey**</td>
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<td>**Week 1</td>
<td>Self Check Quiz**</td>
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<td>Feedback for Changes**</td>
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<td>**Week 10</td>
<td>Final Survey - Spring term**</td>
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<td>**Week 10</td>
<td>Multi-team Discussion: Final Presentations**</td>
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<td>Post-survey**</td>
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<td>**Week 10</td>
<td>Server and Web Assignment**</td>
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<td><strong>Week 11 Team Assessment</strong></td>
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|      | **Week 2 | Class Discussion:** Studio 2  | 📘
|      | (https://canvas.oregonstate.edu/courses/1923665/assignments/9305802) |
|      | **Week 2 | Create Your Academic Plan** | 📘
|      | (https://canvas.oregonstate.edu/courses/1923665/assignments/9305819) |
|      | **Week 2 | Self Check Quiz** | 📘
|      | (https://canvas.oregonstate.edu/courses/1923665/assignments/9305786) |
|      | **Week 2 | Strengths Assessment** | 📘
|      | (https://canvas.oregonstate.edu/courses/1923665/assignments/9305820) |
|      | **Week 2 | Survey - Engineering Grand Challenges** | 📘
|      | (https://canvas.oregonstate.edu/courses/1923665/assignments/9305821) |
|      | **Week 2 | Team Assignment:** Studio 2  | 📘
|      | (https://canvas.oregonstate.edu/courses/1923665/assignments/9305823) |
|      | **Week 2 | Team Building Profiles** | 📘
|      | (https://canvas.oregonstate.edu/courses/1923665/assignments/9305791) |
|      | **Week 3 | Self Check Quiz** | 📘
|      | (https://canvas.oregonstate.edu/courses/1923665/assignments/9305788) |
|      | **Week 3 | Team Assignment:** Studio 3  | 📘
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|      | **Week 3 | Team Discussion:** Studio 3  | 📘
|      | (https://canvas.oregonstate.edu/courses/1923665/assignments/9305800) |
|      | **Week 4 | Self Check Quiz** | 📘
|      | (https://canvas.oregonstate.edu/courses/1923665/assignments/9305784) |
|      | **Week 4 | Team Assignment:** Presentation 1 | 📘
<p>|      | (<a href="https://canvas.oregonstate.edu/courses/1923665/assignments/9305825">https://canvas.oregonstate.edu/courses/1923665/assignments/9305825</a>) |</p>
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