



**Course Name:** Real-World Project Management in Computer Science

**Course Number:** CS 469

**Credits:** 2

**Instructor Name:** Eric L. Vogel

**Instructor Email:** eric\_vogel@oregonstate.edu

### **Course Description**

Facilitates the completion of a working software product chosen and designed by the student. Guides students on planning, implementing, and reporting progress on software development work carried out as a structured project. Provides an opportunity to follow scaled-down versions of industry practices for managing project scope, change, and deliverables.

**Prerequisites or Corequisites:** none

### **Communication**

Because there are normally very few students enrolled in this course, please communicate with your instructor directly via email; do not use Canvas messaging. A course-specific Teams channel will not be created for this course, nor will an Ed discussion board. Your instructor will respond within 24 business hours of receiving an email. Please include [CS 469] in your email subject line so your message is less likely to be lost. See Canvas for the specific communication policy for your instructor.

### **Time Expectations**

This course combines approximately 20 hours of instruction, online activities, assignments, and 60 hours of project work for 2 credits. For longer projects, CS 469 can be repeated for up to 16 credits total. Of those, a maximum of 6 credits combined between CS 469 and CS 406 can be applied toward an OSU CS degree.

### **Technical Assistance**

If you experience any errors or problems while in your online course, contact 24-7 Canvas Support through the Help link within Canvas. If you experience computer difficulties, need help downloading a browser or plug-in, or need assistance logging into a course, contact the IS Service Desk for assistance. You can call (541) 737-8787 or visit the [Service Desk](#) online.

**Learning Resources:** none beyond the course

There are no specific learning resources required beyond the course materials. You may decide you need to purchase tools, training courses, or other materials for your specific project.

## Measurable Student Learning Outcomes

The learning outcomes for this course are:

1. Apply project management, design, programming, and testing skills to real-world projects.
2. Evaluate and select tools and other resources when implementing projects.
3. Communicate project accomplishments to technical and non-technical audiences.

## Evaluation of Student Performance

### Points Available

- Exploration and Project Planning Assignments and Quizzes: 80 points
- Weekly Progress Reports: 35 points (20 points for Summer term)
- Final Project Report, Final Product Deliverables & Demonstration Assignments: 120 points
- Total: 235 points (220 points for Summer term)

### Grade Weighting

There are no weighted categories for assignments. Each assignment is assigned a given number of points. The final grade percentage will be determined using  $\frac{\text{total points received}}{\text{total points possible}} \times 100$ .

### Letter Grade

Grade	Percent Range
A	92-100
A-	90-92
B+	89-90
B	82-88
B-	80-82
C+	78-80
C	72-78
C-	70-72
D+	68-70
D	62-68
D-	60-62
F	0-60

## Course Content — Fall, Winter, Spring Terms

Week	Topic	Reading Assignments	Learning Activities
1	Motivations	Motivations	Flowchart: Understanding Our Own Motivations Discussion: Post-Project Actions
2	Project Planning Managing Risks	Key Planning Activities Managing Risks	Risk Management Assignment
3	Project Planning		Create Project Plan
4	<project work starts> Managing Changes	Managing Changes	Change Management Quiz Week 3 Progress Report
5	Periodic Reporting	Periodic Reporting	Week 4 Progress Report
6			Week 5 Progress Report
7			Week 6 Progress Report
8			Week 7 Progress Report
9			Week 8 Progress Report
10	Final Reporting	Final Reporting	Week 9 (last) Progress Report
11			Final Project Demonstration Final Project Report

## Course Content — Summer Term

Week	Topic	Reading Assignments	Learning Activities
1	Motivations	Motivations	Flowchart: Understanding Our Own Motivations Discussion: Post-Project Actions
2	Project Planning Managing Risks	Key Planning Activities Managing Risks	Risk Management Assignment
3	Project Planning		Create Project Plan
4	<project work starts> Managing Changes	Managing Changes	Change Management Quiz Week 3 Progress Report
5	Periodic Reporting	Periodic Reporting	Week 4 Progress Report
6			Week 5 Progress Report
7	Final Reporting	Final Reporting	Week 6 (last) Progress Report
8			Final Project Demonstration Final Project Report

## Course Policies

### Discussion Participation

This course has no dedicated discussion forum.

### Late Work Policy

Assignments are accepted up to 24 hours late with a penalty of 10% of the earned points applied. Assignments are accepted from 24 to 48 hours late with a penalty of 25% of the earned points applied. Assignments are not accepted past 48 hours late unless an extension is granted by the instructor.

## **Exams**

This course has no major exams (there is one short quiz).

## **Incompletes**

Incomplete (I) grades will be granted only in emergency cases (usually only for a death in the family, major illness or injury, or birth of your child), and if the student has at least a C in the course at the time the Incomplete is requested. If you are having any difficulty that might prevent you completing the coursework, please don't wait until the end of the term; let me know right away — I'm here to help!

## **Statement Regarding Religious Accommodation**

Oregon State University is required to provide reasonable accommodations for employee and student sincerely held religious beliefs. 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. See the [Religious Accommodation Process for Students](#).

## **Guidelines for a Productive and Effective Online Classroom**

*(Adapted from Dr. Susan Shaw, Oregon State University)*

Students are expected to conduct themselves in the course (e.g., on discussion boards, email) in compliance with the university's regulations regarding civility. Civility is an essential ingredient for academic discourse. All communications for this course should be conducted constructively, civilly, and respectfully. Differences in beliefs, opinions, and approaches are to be expected. In all you say and do for this course, be professional. Please bring any communications you believe to be in violation of this class policy to the attention of your instructor.

Active interaction with peers and your instructor is essential to success in this online course, paying particular attention to the following:

- Unless indicated otherwise, please complete the readings and view other instructional materials for each week before participating in the discussion board.
- Read your posts carefully before submitting them.
- Be respectful of others and their opinions, valuing diversity in backgrounds, abilities, and experiences.
- Challenging the ideas held by others is an integral aspect of critical thinking and the academic process. Please word your responses carefully, and recognize that others are expected to challenge your ideas. A positive atmosphere of healthy debate is encouraged.

## **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**

Student conduct is governed by the university's policies, as explained in the Student Conduct Code (<https://beav.es/codeofconduct>). Students are expected to conduct themselves in the course (e.g., on discussion boards, email postings) in compliance with the university's regulations regarding civility.

## **Academic Integrity**

Integrity is a character-driven commitment to honesty, doing what is right, and guiding others to do what is right. Oregon State University Ecampus students and faculty have a responsibility to act with integrity in all of our educational work, and that integrity enables this community of learners to interact in the spirit of trust, honesty, and fairness across the globe.

Academic misconduct, or violations of academic integrity, can fall into seven broad areas, including but not limited to: cheating; plagiarism; falsification; assisting; tampering; multiple submissions of work; and unauthorized recording and use.

It is important that you understand what student actions are defined as academic misconduct at Oregon State University. The OSU Libraries offer a [tutorial on academic misconduct](#), and you can also refer to the [OSU Student Code of Conduct](#) and [the Office of Student Conduct and Community Standard's website](#) for more information. More importantly, if you are unsure if something will violate our academic integrity policy, ask your professors, GTAs, academic advisors, or academic integrity officers.

## **Statement Regarding 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 of Course Materials**

All materials used in this course are believed to be accessible. Additionally, Canvas, the learning management system through which this course is offered, provides a [vendor statement](#) certifying how the platform is accessible to students with disabilities.

## **Tutoring and Writing Assistance**

TutorMe is a leading provider of online tutoring and learner support services fully staffed by experienced, trained and monitored tutors. Access TutorMe from within your Canvas course menu.

The Oregon State [Online Writing Support](#) is also available for students enrolled in Ecampus courses.

### Academic Calendar

All students are subject to the registration and refund deadlines as stated in the Academic Calendar: <https://registrar.oregonstate.edu/osu-academic-calendar>.

### Student Bill of Rights

OSU has twelve established student rights. They include due process in all university disciplinary processes, an equal opportunity to learn, and grading in accordance with the course syllabus: <https://asosu.oregonstate.edu/advocacy/rights>.

### Academic Support

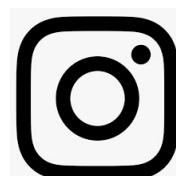
The [Success Studio](#) is your one-stop-shop for academic support in the College of Engineering. The Studio offers a variety of options to support your learning, including [free peer tutoring](#), a [programming helpdesk](#), and [study room reservations](#). They can also connect you with other resources across campus to support your learning and well-being. All you need to do is reach out.



<https://beav.es/UcM>



[coesuccessstudio@oregonstate.edu](mailto:coesuccessstudio@oregonstate.edu)



@coesuccessstudio



### Ecampus 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](#).

Ecampus students are always encouraged to discuss issues that impact your academic success with the [Ecampus Success Team](#). Email [ecampus.success@oregonstate.edu](mailto:ecampus.success@oregonstate.edu) to identify strategies and resources that can support you in your educational goals.

If you feel comfortable sharing how a hardship may impact your performance in this course, please reach out to me so I can help accommodate your situation.

- **For mental health:**

Learn about [counseling and psychological resources for Ecampus students](#). 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).

- **For financial hardship:**

Any student whose academic performance is impacted due to financial stress or the inability to afford groceries, housing, and other necessities for any reason is urged to contact the Director of Care for support (541-737-8748).

### **Student Learning Experience Survey**

During Fall, Winter, and Spring term, the online Student Learning Experience surveys open to students the Wednesday of week 9 and close the Sunday before Finals Week. Students will receive notification, instructions, and the link through their ONID email. They may also log into the survey via MyOregonState. Survey results are extremely important and are used to help improve courses and the learning experience of future students. Responses are anonymous (unless a student chooses to “sign” their comments, agreeing to relinquish anonymity of written comments) and are not available 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.