

ONLINE CAPSTONE PROJECT (CS_467_400_W2020)

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Course Name: Online Capstone Project

Course Number: CS 467

Credits: 4

Instructor Name: Bill Pfeil

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This syllabus describes the administrative parts of the course and serves as a contract between student and instructor. Remaining in this course indicates acceptance of these rules.

Remember that in this Capstone course, you are expected to behave professionally. Please use this document throughout the course.

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Course Description

Real-world team-based experience with the software engineering design and delivery cycle, including requirements analysis and specification, design techniques, and requirements and final project written documentation. For students in the online CS double-degree program only.

Prerequisites: [CS 344](#) [_\(https://catalog.oregonstate.edu/search/?P=CS%20344\)](https://catalog.oregonstate.edu/search/?P=CS%20344) with C or better and [CS 361](#) [_\(https://catalog.oregonstate.edu/search/?P=CS%20361\)](https://catalog.oregonstate.edu/search/?P=CS%20361) [C] and [CS 362](#) [_\(https://catalog.oregonstate.edu/search/?P=CS%20362\)](https://catalog.oregonstate.edu/search/?P=CS%20362) [C]

Communication

If I need to contact you, I will email you directly (or via the class mailing list).

The preferred way to contact me:

Email me directly at pfeilw@oregonstate.edu (<mailto:pfeilw@oregonstate.edu>) (If I don't respond in 24 hours please email me again)

Note: Messaging me on Canvas is an unreliable and indirect way to send me an email that I am less likely to notice in the sea of Canvas notification and daily digest spam from several courses I am subscribed to. I do monitor Slack, but email is still best.

We are not Debuggers, Programmers, or Architects — that's *your* job! Do not send the instructor or TAs any code except what is required for your assignment submissions.

Don't expect the instructor or the TAs to see comments left with assignment submissions. Canvas allows us to download the entire class's submissions as one .zip file, which does not include these comments. If you need to make a meta-comment about your submission, add it to the submission or email the person grading that submission directly.

Course Credits

This course is online only, and requires approximately 100 hours of student work on their capstone projects for a total of 4 credits. Time spent interacting with course content outside of the project, itself, is minimal.

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 [IS Service Desk \(https://oregonstate.teamdynamix.com/TDClient/Requests/TicketRequests/NewForm?ID=Dr9c0T7BaSI_\)](https://oregonstate.teamdynamix.com/TDClient/Requests/TicketRequests/NewForm?ID=Dr9c0T7BaSI_) online.

Learning Resources

All class materials can be found on the course web-page. There is no textbook; students are expected to source their own learning resources to accomplish the goals of their projects. A microphone and screen-recording device is required, for submitting weekly project update videos.

Note to prospective students: Please check with the OSU Beaver Store for up-to-date information for the term you enroll ([OSU Beaver Store Website \(http://osubeaverstore.com/Academics\)](http://osubeaverstore.com/Academics) or 800-595-0357). If you purchase course materials from other sources, be very careful to obtain the correct ISBN.

Measurable Student Learning Outcomes

After completion of this course, students will have demonstrated an ability to:

- **Outline** project requirements.
 - **Design** a project plan.
 - **Summarize** and **explain** their progress.
 - **Appraise** a project, by authoring a final report.
 - **Demonstrate** their final product.
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Evaluation of Student Performance

- Syllabus Quiz and Project Choice - 20 points
 - Project Planning Stage - 40 points
 - Weekly Progress Reports - 25 points
 - Midpoint Progress check - 25 points
 - Final Report Documents - 72 points
 - Final Demonstration - 250 points
 - Total - 432 points
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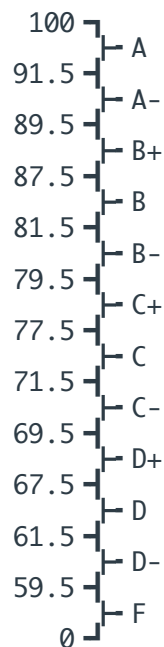
Letter Grade

Grading responsibilities are shared between the instructors and the TAs. The Course Introduction tab details who grades which assignment, and which groups each person will grade.

You are expected to spend at least 100 hours on the course. Projects that do not reflect this investment will be graded accordingly

Your group will not create your grade for you. You need to accomplish the goals you sign off on by submitting your **Project Plan**. In this course, failure to communicate with your team, or to provide reasonably working code compatible with the project per the specification may result in you receiving a non-passing grade while the rest of your group passes. You may be removed from your team if you are found to not be putting in the required amount of work.

Total Percentage vs. Letter Grade



Course Policies

Discussion Participation

Students are expected to participate in all graded discussions. While there is great flexibility in online courses, this is not a self-paced course.

Late Work Policy

Most assignments allow submissions up to two days after the due date for a reduced maximum score. Each assignment has a **due** date listed on Canvas. Assignments that may be submitted late also have an **available until** date, which is 48 hours after the initial due date. For these assignments, the following policy applies:

- Assignments submitted on the day after the due date will be graded normally and then any points past a 90% point total will be lost.
- Assignments submitted on the second day after the due date will be graded normally and then any points past a 75% point total will be lost.

Note that, unlike in other courses, late assignment grades will not be scaled by some factor; any points above a threshold (90% or 75%) will simply be discarded.

Makeup Exams

This course has no tests or exams.

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 turned in 80% of the points possible (in other words, usually everything but the final paper). 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.

Guidelines for a Productive and Effective Online Classroom

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.
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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> [.\(http://ds.oregonstate.edu\)](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 accessible. If you require accommodations please contact [Disability Access Services \(DAS\)](http://ds.oregonstate.edu/home/) [.\(http://ds.oregonstate.edu/home/\)](http://ds.oregonstate.edu/home/).

Additionally, Canvas, the learning management system through which this course is offered, provides a [vendor statement](http://www.instructure.com/accessibility) [.\(http://www.instructure.com/accessibility\)](http://www.instructure.com/accessibility) certifying how the platform is accessible to students with disabilities.

Expectation for Student Conduct

Student conduct is governed by the university's policies, as explained in the [Student Conduct Code \(http://studentlife.oregonstate.edu/code\)](#). 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

Students are expected to comply with all regulations pertaining to academic honesty. For further information, visit [Student Conduct and Community Standards \(http://studentlife.oregonstate.edu/studentconduct\)](#), or contact the office of Student Conduct and Mediation at 541-737-3656.

OAR 576-015-0020 (2) Academic or Scholarly Dishonesty:

- a. Academic or Scholarly Dishonesty is defined as an act of deception in which a Student seeks to claim credit for the work or effort of another person, or uses unauthorized materials or fabricated information in any academic work or research, either through the Student's own efforts or the efforts of another.
 - b. It includes:
 - i. CHEATING - use or attempted use of unauthorized materials, information or study aids, or an act of deceit by which a Student attempts to misrepresent mastery of academic effort or information. This includes but is not limited to unauthorized copying or collaboration on a test or assignment, using prohibited materials and texts, any misuse of an electronic device, or using any deceptive means to gain academic credit.
 - ii. FABRICATION - falsification or invention of any information including but not limited to falsifying research, inventing or exaggerating data, or listing incorrect or fictitious references.
 - iii. ASSISTING - helping another commit an act of academic dishonesty. This includes but is not limited to paying or bribing someone to acquire a test or assignment, changing someone's grades or academic records, taking a test/doing an assignment for someone else by any means, including misuse of an electronic device. It is a violation of Oregon state law to create and offer to sell part or all of an educational assignment to another person (ORS 165.114).
 - iv. TAMPERING - altering or interfering with evaluation instruments or documents.
 - v. PLAGIARISM - representing the words or ideas of another person or presenting someone else's words, ideas, artistry or data as one's own, or using one's own previously submitted work. Plagiarism includes but is not limited to copying another person's work (including unpublished material) without appropriate referencing, presenting someone else's opinions and theories as one's own, or working jointly on a project and then submitting it as one's own.
 - c. Academic Dishonesty cases are handled initially by the academic units, following the process outlined in the University's Academic Dishonesty Report Form, and will also be referred to SCCS for action under these rules.
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Tutoring and Writing Assistance

[NetTutor \(http://ecampus.oregonstate.edu/services/student-services/online-tutoring/\)](#) is a leading provider of online tutoring and learner support services fully staffed by experienced, trained and monitored tutors. Students connect to live tutors from any computer that has Internet access. NetTutor provides a virtual whiteboard that allows tutors and students to work on problems in a real time environment. They also have an online writing suite where tutors critique and return essays within 24 to 48 hours. Access NetTutor from within your Canvas class by clicking on the Tools button in your course menu.

The Oregon State [Online Writing Suite \(http://writingcenter.oregonstate.edu/online-writing-lab\)](#) is also available for students enrolled in Ecampus courses.








TurnItIn







Your instructor may ask you to submit one or more of your writings to Turnitin, a plagiarism prevention service. Your assignment content will be checked for potential plagiarism against Internet sources, academic journal articles, and the papers of other OSU students, for common or borrowed content. Turnitin generates a report that highlights any potentially unoriginal text in your paper. The report may be submitted directly to your instructor or your instructor may elect to have you submit initial drafts through Turnitin, and you will receive the report allowing you the opportunity to make adjustments and ensure that all source material has been properly cited. Papers you submit through Turnitin for this or any class will be added to the OSU Turnitin database and may be checked against other OSU paper submissions. You will retain all rights to your written work. For further information, visit [Academic Integrity for Students: Turnitin – What is it?](http://guides.library.oregonstate.edu/c.php?g=286121&p=1906660) (<http://guides.library.oregonstate.edu/c.php?g=286121&p=1906660>)

Student Evaluation of Courses

The online Student Evaluation of Teaching system opens to students during the week before finals and closes the Monday following the end of finals. Students receive notification, instructions and the link through their ONID. They may also log into the system via Online Services. Course evaluation results are extremely important and used to help improve courses and the online learning experience for future students. 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:

Date	Details	
Tue Jan 7, 2020	 Choose Your Project https://oregonstate.instructure.com/courses/1750936/assignments/7763929	due by 11:59pm
	 Syllabus Quiz https://oregonstate.instructure.com/courses/1750936/assignments/7763928	due by 11:59pm
Thu Jan 9, 2020	 Our Team Introductions https://oregonstate.instructure.com/courses/1750936/assignments/7763930	due by 11:59pm
Mon Jan 20, 2020	 Create Project Plan https://oregonstate.instructure.com/courses/1750936/assignments/7763933	due by 11:59pm
Mon Jan 27, 2020	 Week 4 Progress Report https://oregonstate.instructure.com/courses/1750936/assignments/7763938	due by 11:59pm
Mon Feb 3, 2020	 Week 5 Progress Report https://oregonstate.instructure.com/courses/1750936/assignments/7763939	due by 11:59pm
Mon Feb 10, 2020	 Mid-Point Project Check https://oregonstate.instructure.com/courses/1750936/assignments/7763937	due by 11:59pm

Date	Details
Mon Feb 17, 2020	 <u>Week 7 Progress Report</u> (https://oregonstate.instructure.com/courses/1750936/assignments/7763940) due by 11:59pm
Mon Feb 24, 2020	 <u>Week 8 Progress Report</u> (https://oregonstate.instructure.com/courses/1750936/assignments/7763941) due by 11:59pm
Mon Mar 2, 2020	 <u>Week 9 Progress Report</u> (https://oregonstate.instructure.com/courses/1750936/assignments/7763942) due by 11:59pm
Fri Mar 13, 2020	 <u>Create Final Report</u> (https://oregonstate.instructure.com/courses/1750936/assignments/7763931) due by 11:59pm
	 <u>Create Poster</u> (https://oregonstate.instructure.com/courses/1750936/assignments/7763932) due by 11:59pm
	 <u>Demonstrate Project</u> (https://oregonstate.instructure.com/courses/1750936/assignments/7763934) due by 11:59pm