CS-HU 271: Agile Development

Boise State University
Fall 2020

COVID 19 Syllabus Notice (required for face-to-face and hybrid courses)

Many Boise State classes have resumed face-to-face meetings in the midst of a global pandemic and a recent local surge of infections. Our goal is to have a successful academic year while keeping our students, faculty, and local community healthy and safe. Public health requirements are in place to achieve that goal, the primary mechanism for which includes the mandatory use of facial coverings that protect all of us.

We have adapted our learning spaces to allow for physical distancing and taken other health precautions so that you can still have the option of a face-to-face course. However, there is still inherent risk associated with face-to-face courses during a pandemic because of proximity to others and length of potential exposure to the virus. Therefore, as members of this learning community, it is imperative that we all engage in behaviors that protect the overall public health.

You have elected to enroll in a face-to-face course, and this format offers a number of benefits that appeal to many students. If you would like to preserve your access to this face-to-face option, though, you are ==required to wear facial coverings in all face-to-face learning environments==. You must keep your mouth and nose covered at all times throughout class — facial coverings cannot be pulled up or down. **Eating and drinking will NOT be permitted in the classroom**.

By enrolling in an in-person course, you agree to comply with Boise State's rules and precautions which include, but are not limited to, facial coverings, frequent hand washing, hand sanitizing, and physical distancing. You understand that failing to comply with these rules and precautions is a violation of Boise State's Student Code of Conduct. Failing to comply will subject you to university sanctions and discipline.

==University policy states that I am not allowed to begin/continue with instruction unless and until everyone present has a facial covering in place.==

This course is designed to be accessible to all students. A very small percentage of people cannot wear facial coverings for reasons related to medical conditions or disabilities. If this is your experience, please contact the Educational Access Center to document your condition so that we may determine the best accommodation for you (such as participating remotely, wearing a face shield). Until an accommodation is in place, you will need to participate remotely. If you need to read lips or facial expressions to understand what people are saying, please let the Educational Access Center and me know via email. During the first few weeks of classes, there will be stations set up around campus to help students understand the process for applying for accommodations.

If you are unwilling to wear facial coverings, you cannot participate in person; please dismiss yourself and either inquire whether you may participate in the class fully remotely, or contact the Registrar's Office (208-426-4249) to pursue your learning experience in a different, online section. Should you refuse to cover your mouth and nose and also refuse to leave the classroom, I will dismiss the class and you will be reported to and contacted by the Dean of Students Office.

Mutual Guidelines for Safe Learning Environments

While these public health measures are essential to protecting our individual and communal health, they also complicate how we engage in teaching and learning. The following guidelines should ease our comfort and communication with one another:

- In the classroom, we must wear a facial covering that covers our mouth and nose at all times. If you or I let our facial coverings slip, we will politely remind one another to secure our masks.
- In the event that we need to step closer to examine someone's work during class, we will refrain from commenting until we are at a safe distance.
- Facial coverings muffle voices. I will use the classroom microphone to amplify my voice through my mask. In addition, I will repeat your questions and summarize comments to ensure we all can follow any discussion.

Student Well-being:

If you are struggling for any reason (COVID, relationship, family, or life's stresses) and believe these may impact your performance in the course, I encourage you to contact the Dean of Students at (208) 426-1527 or email deanofstudents@boisestate.edu for support. Additionally, if you are comfortable doing so, please reach out to me and I will provide any resources or accommodations that I can. If you notice a significant change in your mood, sleep, feelings of hopelessness or a lack of self worth, consider connecting immediately with Counseling Services (1529 Belmont Street, Norco Building) at (208) 426-1459 or email healthservices@boisestate.edu.

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Lecture Time:	Tu/Th 9:00am – 10:15am
Lecture Location:	CCP 221
Meeting Dates:	Section 1: 08/24 – 09/25 (1ˢᵗ 5-week session) Tu/Th 10:30am – 11:45am
	Section 2: 08/24 – 09/25 (1ˢᵗ 5-week session) Tu/Th 9:00am – 10:15am
	Section 3: 09/28 – 10/30 (2ⁿᵈ 5-week session) Tu/Th 9:00am – 10:15am
Instructor:	Mason Vail
Office:	CCP 358
E-mail:	masonvail@boisestate.edu

Course URL: Grades and quizzes will be accessed via Blackboard (https://blackboard.boisestate.edu/). Course schedule and assignment materials will be linked from the course website http://cs.boisestate.edu/~mvail/271/. Out-of-class communication and support will be via a Piazza forum.

Course Credits: 1

Class Attendance Policy: class attendance is mandatory and it is recommended to bring your laptop with an IDE (e.g., Eclipse - https://www.eclipse.org/) installed

Prerequisites:
- CS 221

Recommended skills:
- Basic knowledge of Git (https://git-scm.com/) and GitHub (https://github.com/)

Textbook:
- **Required:** Sims, Chris and Johnson, Hillary Louise, *The Elements of Scrum*, 2011. ISBN 0982866917 (Also available for Kindle) http://www.agilelearninglabs.com/resources/the-elements-of-scrum/

Course Objectives:
At the end of the class, successful students will be expected to:
- Understand Scrum roles
- Create a product backlog of prioritized and estimated user stories and related acceptance criteria
- Convert user stories into tasks and distribute the work among team
- Apply the Scrum methodology and work as a member of an agile software development team

Course Catalog Description:
Scrum for software development. Scrum process, user stories, acceptance criteria, and test programming. Students work in Scrum teams. A Hatchery Unit (HU) course is a short course to develop specific professional skills for computer science.

Topics Covered:
- Teams, Software Development Processes, Agile Development
- Scrum, Sprints and Roles, Product Backlog, User Stories, Acceptance Criteria, Estimation and Planning Poker
- Sprint Planning, Sprint Backlog, Tasks, Daily Standup Meeting, Sprint Review and Sprint Retrospective
- Definition of Done, Burndown Charts and Scrum Tools

Grading Criteria:
- 20%: Quizzes
  - Taken via Blackboard - Mostly multiple choice questions
- 20%: Final Exam
  - Taken during the last course lecture
- 50%: Project Activities
- 10%: Attendance and Teamwork

Grading scale:
- 90 ≤ A- < 93 ≤ A < 97 ≤ A+
- 80 ≤ B- < 83 ≤ B < 87 ≤ B+
- 70 ≤ C- < 73 ≤ C < 77 ≤ C+
- 60 ≤ D- < 63 ≤ D < 67 ≤ D+
- F < 60

Late Policy:

All work must be completed before the due date. If you have a compelling and documented reason for not being able to meet the deadline, you must make the alternative arrangements *before* the due date. Late submissions will not be graded.

Other Notes:
- This term we will be using Piazza for class discussion as well as questions and answers that we do not have time to discuss in class. The system is highly catered to getting you help fast and efficiently from classmates, teaching assistants and myself. I encourage you to post your questions on Piazza.
- All students are requested to access their Boise State e-mail account regularly. You may be contacted when important matters arise.
- Copying or plagiarism of any type will not be tolerated and will be dealt with in accordance to the College's policy on cheating and plagiarism described in Boise State University's Policy on Academic Honesty (https://deanofstudents.boisestate.edu/academic-integrity/) and the Student Code Of Conduct (https://deanofstudents.boisestate.edu/student-code-of-conduct/)
- Any modifications to the syllabus will be reflected on the course web page and announcements will be posted.
- Safety information can be found: http://coen.boisestate.edu/cs/safetydocument/
- Special accommodations for students with disabilities: in accordance with the University policy, if you have a documented disability and require accommodations to obtain equal access in this course, please contact the instructor at the beginning of the semester or when given an assignment for which an accommodation is required.