

CIS*2250: Software Design II: Winter 2023

Course Information

Instructor	Email	Slack
Dr. Deborah Stacey	dastacey@uoguelph.ca	Deb Stacey
Lecture Slot Tuesday, Thursday 11:30 to 12:50 ROZH 102		
Calendar Description <p>This course focuses on the process of software design. Best practices for code development and review will be the examined. The software development process and tools to support this will be studied along with methods for project management. The course has an applied focus and will involve software design and development experiences in teams, a literacy component, and the use of software development tools.</p> <p>Prerequisite(s): CIS*1250</p>		
Topics <ol style="list-style-type: none">1. What is Design?<ol style="list-style-type: none">a) Bad Designb) Good Design2. Team Skills in Software Design<ol style="list-style-type: none">a) Team Buildingb) Project Managementc) Reviews3. Individual Skills in Software Development<ol style="list-style-type: none">a) Problem Solvingb) Code Readingc) Debugging4. Underlying Principles and Skills Needed for Software Design and Development<ol style="list-style-type: none">a) Communicationsb) Ethics and Social Impact		
Required Texts <ol style="list-style-type: none">1. <i>Course Textbook on CourseLink</i>2. <i>Change by Design</i> by Tim Brown and Barry Katz, Harper Collins, 2009.3. <i>Dataclysm: Who We Are (When We Think No One's Looking)</i> by Christian Rudder, Crown, 2014		

Method of Evaluation

- Written examinations [40%]
 - Quizzes [10%]
 - Midterm Exam [15%]
 - Final Exam [15%]
- Assignments [30%]
 - Individual and lab [15%]
 - Team [15%]
- Team Project [30%]
 - Details on CourseLink

Pandemic Rules

The lecture time slots on Tuesday and Thursday are for in-class lectures. There will not be a hybrid option or recordings of the lectures.

If at anytime there is another lockdown, the class will go totally on-line and class times will be scheduled as Zoom sessions.

All course materials and announcements will be disseminated via CourseLink. Other media will also be provided on Trello and Slack.

University and CEPS Policy Statements

Email Communication

As per university regulations, all students are required to check their e-mail account regularly: e-mail is the official route of communication between the University and its students.

Presentation Recordings

Presentations that are made in relation to course work - including lectures - cannot be recorded or copied without the permission of the presenter, whether the instructor, a student, or guest lecturer. Material recorded with permission is restricted to use for that course unless further permission is granted.

On-Line Classes

- Do not redistribute recorded interactive discussions that involve your classmates. This includes advising times and question and answer sessions with the instructor.
- Online activities such as advising times, question and answer sessions, and interactive lectures may be recorded by the instructor or TAs and posted to Courselink. By taking this course you are agreeing that your participation in these activities can be used in this manner. If you do not

wish to have your image or voice recorded as part of these activities then either do not take this course or do not ask verbal questions during these activities.

- A reliable internet connection that is sufficient for online learning is necessary for this course. If you do not have a sufficiently fast and reliable internet connection then you may not be able to view or download lectures or other course material. It may also not be possible to attend online advising with teaching assistants or the instructor.
- This course is offered in the eastern standard time zone (EST). While taking this course then you may be required to attend online activities such as advising times or labs between 9:00 and 4:30 EST.
- Keep copies of assignments which you have submitted. You may be asked to resubmit assignments at a later time.

When You Cannot Meet a Course Requirement

When you find yourself unable to meet an in-course requirement because of illness or compassionate reasons please advise the course instructor (or designated person, such as a teaching assistant) in writing, with your name, id number, and e-mail contact. The grounds for Academic Consideration are detailed in the Undergraduate and Graduate Calendars.

Undergraduate Calendar - Academic Consideration and Appeals

<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-ac.shtml>

Drop Date

Students will have until the last day of classes to drop courses without academic penalty. The deadline to drop two-semester courses will be the last day of classes in the second semester. This applies to all students (undergraduate, graduate and diploma) except for Doctor of Veterinary Medicine and Associate Diploma in Veterinary Technology (conventional and alternative delivery) students. The regulations and procedures for course registration are available in their respective Academic Calendars.

Undergraduate Calendar - Dropping Courses

<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-drop.shtml>

Copies of Out-of-class Assignments

Keep paper and/or other reliable back-up copies of all out-of-class assignments: you may be asked to resubmit work at any time.

Accessibility

The University promotes the full participation of students who experience disabilities in their academic programs. To that end, the provision of academic accommodation is a shared responsibility between the University and the student. When accommodations are needed, the student is required to first register with Student Accessibility Services (SAS). Documentation to substantiate the existence of a disability is required; however, interim accommodations may be possible while that process is underway. Accommodations are available for both permanent and temporary disabilities. It should be noted that common illnesses such as a cold or the flu do not constitute a disability. Use of the SAS Exam Centre requires students to book their exams at least 7 days in advance and not later than the 40th Class Day. Information can be found on the SAS website <https://www.uoguelph.ca/sas>.

Academic Integrity

The University of Guelph is committed to upholding the highest standards of academic integrity, and it is the responsibility of all members of the University community-faculty, staff, and students-to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring. University of Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff, and students have the responsibility of supporting an environment that encourages academic integrity. Students need to remain aware that instructors have access to and the right to use electronic and other means of detection.

Please note: Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it. Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor.

Undergraduate Calendar - Academic Misconduct

<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-amisconduct.shtml>

Recording of Materials

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Resources

The Academic Calendars are the source of information about the University of Guelph's procedures, policies, and regulations that apply to undergraduate, graduate, and diploma programs.

Academic Calendars

<https://www.uoguelph.ca/academics/calendars>