

CIS*1250 Software Design I



School of Computer Science

1 INSTRUCTIONAL SUPPORT

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|---|--|---|
| Instructor: | Ritu Chaturvedi | M, W, F: 4:30pm – 5:20pm LA 204 |
| Office: | Reynolds 2211 | |
| Email: | cis1250@socs.uoguelph.ca | |
| Office hours: | Wednesday, Friday 2:00 – 3:00pm | |
| Teaching Assistants and their Office hours: | TBA | Email: cis1250@socs.uoguelph.ca |

2 LEARNING OUTCOMES and RESOURCES

2.1 Calendar Description

This is an introductory course which involves a general overview of design and problem solving as it is practiced in different disciplines. The course will include an examination of the qualities of software as the end product of the design process. It will include a study of the pervasiveness of software, and the platform specific considerations. 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.

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

<http://www.uoguelph.ca/registrar/calendars/index.cfm?index>

2.2 Course Learning Outcomes

- Knowledge and Understanding
 1. Identify what is software design.
 2. Identify and explain where software design is used and why it is an integral part of the software developmental process.
 3. Demonstrate the ability to gather system requirements.
 4. Demonstrate the ability to understand and implement design of a simple software product.
- Skills
 1. Effectively communicate course concepts with/to his/her peers when working in groups
 2. Develop problem solving skills
 3. Show creativity and critical thinking when working on assignments.

2.3 Environment for Labs and assignments: To Be Announced later

2.4 Course Website

Course material, news, announcements, and grades will be regularly posted to the CIS*1250 Website which can be found at courselink.uoguelph.ca. Use your gryphmail login/password to access the course webpage. You are responsible for checking the site regularly.

2.4 Textbooks

- Subject to Change by Peter Merholz, Todd Wilkens, Brandon Schauer, and David Verba, O'Reilly Media, Inc., 2008. ISBN 978-0596516833.
- Universal Principles of Design, second edition, by William Lidwell, Kritina Holden, and Jill Butler, Rockport Publishers, 2010. ISBN 978-1592535873.

2.5 Important Dates:

- *Thursday* September 8: First day of class
 - *Monday*, October 10: Holiday-NO CLASSES SCHEDULED -- classes rescheduled to Friday, December 2
 - *Tuesday*, October 11: Holiday-NO CLASSES SCHEDULED -- classes rescheduled to Thurs, December 1
 - *Friday* December 2: Last day of class
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3 ASSESSMENT

3.1 Dates and Distribution

Practical (60%):

- **Reading Assignments: 10%**
RA1: Due Friday Sep 23rd 11:59 pm
RA2: Due Friday Nov 11th 11:59 pm
- **Design Assignments: 20%**
DA1: Due Friday Oct 14th 11:59 pm
DA2: Due Friday Nov 25th 11:59 pm
- **Lab Assignments: 30%**
Due weekly in the assigned lab section

Exams (40%):

Quizzes: 20%

Quiz1: Wednesday October 5th
Quiz2: Wednesday November 23rd

Final Exam: 20%

December 13th 11:30am – 1:30pm

3.2 Requirement to pass the course

The course is divided into two sections, the first is practical ((Reading + Design + Lab) assignments) and the second is exams (Quizzes + Final Exam). You must achieve a passing grade in each of the sections to pass the course. A failing grade in either of these sections results in the following calculation for your final grade: final grade = minimum (45, total grade).

Note that to pass the course you need to achieve an overall grade of 50% or above in the course.

3.3 Course Grading Policies

Missed Assessments in general: If you are unable to meet an in-course requirement due to medical, psychological, or compassionate reasons, please make an appointment to meet your course instructor. Please see below for specific details and consult the undergraduate calendar for information on regulations and procedures for Academic Consideration:
<http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-ac.shtml>

Missed Labs: If you miss a lab due to **documented** grounds for granting academic or religious accommodation, the weight of the missed assessment will be added to the final exam. There will be

no makeup labs and you may not attend a lab section other than the one in which you are registered (unless otherwise permitted).

Late Assignments: All students will benefit from a 48-hour grace period after the original due date of the assignments. In all but exceptional circumstances, this should allow enough flexibility to accommodate for any unforeseen events that could otherwise impact your work. In fairness to the students who submit their work on time, a deduction of 10% will be applied on the first minute that the assignment is handed in after the grace period. An additional 20% deduction will be applied every 24 hours thereafter.

Regrades Requests: Any request to regrade a course assessment must be emailed to cis1250@socs.uoguelph.ca within one week and must include the following (i) your name, student id and email (ii) clear description of where and why you feel that there was a mistake in the grades assigned to you (iii) a statement exactly as given here: “in requesting a regrade, I understand that my entire exam/quiz/assignment will be re-graded, that includes my regrade concerns and understand that my grades on the exam/quiz/assignment may fall or rise”.

It is **important** to note that a regrade is not a chance to redo the assignment. The original submission will be graded.

Illness: Medical notes will not normally be required for singular instances of academic consideration, although students may be required to provide supporting documentation for multiple missed assessments or when involving a large part of a course (e.g.. final exam or major assignment).

Accommodation of Religious Obligations: If you are unable to meet an in-course requirement due to religious obligations, please email the course email address **within two weeks of the start of the semester** to make alternate arrangements. See the undergraduate calendar for information on regulations and procedures for Academic Accommodation of Religious Obligations:
<http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-accomrelig.shtml>

4 ROLES AND RESPONSIBILITIES

4.1 Communication & Email Policy

Please use lectures, lab sessions, and the discussion forum as your main opportunities to ask questions about the course. Questions that are specific to your particular situation may be emailed to cis1250@socs.uoguelph.ca and will be answered by one of the instructional team. Extremely private communication should be conducted in person by making an appointment with the course instructor.

Major announcements will be posted to the course website and the discussion forums. **It is your responsibility to check the course website regularly.** As per university regulations, all students are required to check their <mail.uoguelph.ca> e- mail account regularly: e-mail is the official route of communication between the University and its students.

4.2 Recording of materials

Presentations which are made in relation to course work—including lectures—cannot be recorded or copied without the permission of the presenter, whether the instructor, classmate or guest lecturer. Material recorded with permission is restricted to use for that course and may not be posted on any public space unless further permission is granted.

4.3 Copies of out-of-class assignments

Students must 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.

4.4 Instructor's Role and Responsibility to Students

The instructor's role is to develop and deliver course material in ways that facilitate learning for a variety of students. Selected notes will be made available to students on the course website but are not intended to

be stand-alone. During lectures, the instructor will expand and explain the content of notes and provide example problems that supplement posted notes. Scheduled classes will be the principal venue to provide information and feedback for exams and assignments.

4.5 Students' Learning Responsibilities

Students are expected to take advantage of the learning opportunities provided during lectures, labs and help sessions. Students, especially those having difficulty with the course content, should also make use of other resources recommended by the instructor. Students who fall behind due to illness, work, or extra-curricular activities are advised to keep the instructor informed as early as possible. This will allow the instructor to recommend extra resources in a timely manner and/or provide consideration if appropriate.

5 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 discourages misconduct. All students who take a SOCS course must pass the **Academic Integrity Self Test**.

For educational purposes, instructors impose conditions on assignments that may limit students' permission to collaborate with others or to utilize external sources (including, but not limited to, software, data, images, text, etc.). Any permitted utilization must be done with proper references. Aiding and abetting is a punishable offence; students must be careful not to help others commit offences by giving out solutions or providing to access computer accounts. Instructors may use automated tools to detect possible cases of academic misconduct.

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.

The Academic Misconduct Policy is detailed in the Undergraduate Calendar:

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

The SOCS Academic Integrity Unit:

<http://moodle.socs.uoguelph.ca/course/view.php?id=2> Login with your central login credentials.

6 ACCESSIBILITY

The University of Guelph is committed to creating a barrier-free environment. Providing services for students is a shared responsibility among students, faculty and administrators. This relationship is based on respect of individual rights, the dignity of the individual and the University community's shared commitment to an open and supportive learning environment. Students requiring service or accommodation, whether due to an identified, ongoing disability, or for a short-term disability should contact Student Accessibility Services (SAS) as soon as possible.

For more information, contact SAS at [519-824-4120](tel:519-824-4120) ext. 56208 or email csd@uoguelph.ca or see the website: <http://www.uoguelph.ca/csd/>

Disclaimer

Please note that the ongoing COVID-19 pandemic may necessitate a revision of the format of course offerings, changes in classroom protocols, and academic schedules. Any such changes will be announced via CourseLink and/or class email.

This includes on-campus scheduling during the semester, mid-terms and final examination schedules. All University-wide decisions will be posted on the COVID-19 website (<https://news.uoguelph.ca/2019-novel-coronavirus-information/>) and circulated by email.

For information on current safety protocols, follow these links: <https://news.uoguelph.ca/return-to-campus/how-u-of-g-is-preparing-for-your-safe-return/>
<https://news.uoguelph.ca/return-to-campus/spaces/#ClassroomSpaces>

Please note, these guidelines may be updated as required in response to evolving University, Public Health or government directives.