CIS*4250 Software Design V

Fall 2019

UNIVERSITY of GUELPH

School of Computer Science

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1 INSTRUCTIONAL SUPPORT

<div align="right">**Section 01**</div>

Instructor:	Dr. Denis Nikitenko
Office:	TBA
Email:	cis4250@socs.uoguelph.ca
Office hours:	See lab times below. Additional office hours may be scheduled on an individual basis.

Pre-requisites:	CIS*2750, CIS*3260
Credit Weight:	0.5

Teaching Assistant: Muhammad Rehman

Email: cis4250@socs.uoguelph.ca

Timetable

Lectures:
none

Labs:
Tue, Thu 08:30AM - 09:50AM MCKN 029
Tue, Thu 02:30PM - 03:50PM MCLN 107

The lab periods will be used for meetings between the student teams and the instructional team. Labs will also be used for demos, and the schedule for the demos will be established on a team-by-team basis.

While the course is offered online, all lectures and team meetings will be conducted online as described in Section 2.1 below.

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.

2   LEARNING RESOURCES

2.1   Course Website

Course material, news, announcements, and grades will be regularly posted to the CIS*4250 website, which can be found at courselink.uoguelph.ca. You are responsible for checking the site regularly.

- Meeting information: all meeting schedules, including dates, locations, and team names, will be posted online.
- Evaluation details: the details on all evaluation components for this course will be made available on the course website
- **Online instruction**
  - The initial lecture will be recorded and posted on the course website
  - All subsequent weekly meetings will be conducted online using Zoom. The link will be posted on the course website
- **Regular (face-to-face) instruction**
  - We may switch to in-person weekly meetings based on student interest

2.2   Required Textbook
None

2.3   Calendar Description

This is a capstone course which applies the knowledge gained from the previous Software Design courses to a large team project. 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

3 ASSESSMENT

3.1 Dates and Distribution

Assessments		
Technical design document (Feb. 3)		15%
Project Technical Evaluation		85%
- Alpha demo (Mar 7)	40%	
- Release candidate (Apr 4),	45%	

3.1.1 Final grade calculation

The final grade is the weighted sum of all assessments shown above, using the weights indicated in the list above. The alpha and release candidate grades will be calculated for each individual team member based on that individual's contributions to the milestones.

3.2 Course Grading Policies

Missed meetings: Team members are expected to attend every weekly meeting and report on their progress and activities since the last meeting. After the TDD is submitted, teams will also be expected to present weekly progress reports and demos. Missed weekly meetings (with no supporting documentation) and missed weekly demos will result in penalties to the Project Technical Evaluation grade.

Late submissions: All course deliverables are due at 11:59pm on the due date. Late submissions for any of the course deliverables will be accepted for 12 hours after the deadline and penalized at 2% per hour. Submissions that are more than 12 hours late will **not** be accepted, and will automatically receive the grade of **zero** (0).

Regrades: Students may request a regrade of a report if the marker has made an error in grading. The original submission will be entirely regraded and a new mark will be assigned. It is possible for a mark to go down, go up, or remain unchanged as a result of a regrade. Students must request a regrade via email within 5 calendar days of receiving the assignment or lab grade.

Missed requirements: 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

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

3.3   Course Learning Outcomes

1. Design a software system based on the analysis of desired requirements, available technologies, and timeline constraints.
2. Design a set of project milestones for a small software development team using software engineering and project management practices.
3. Develop a complete software system in a team environment.
4. Create and deliver software releases according to the designed milestone schedule and requirement specifications.
5. Employ collaborative tools to manage the software development lifecycle.

4 TEACHING AND LEARNING ACTIVITIES

4.1 Lecture Schedule

Lectures	Activities	Deliverables
Week 1	Introduction/lecture	
Week 2	Weekly meeting	
Week 3	Weekly meeting	
Week 4	Weekly meeting	TDD due
Week 5	Weekly meeting	
Week 6	Weekly meeting	
Break		
Week 7	Weekly meeting	
Week 8	Demo	Alpha
Week 9	Weekly meeting	
Week 10	Weekly meeting	
Week 11	Weekly meeting	
Week 12	Demo	Release candidate

4.4   Important Dates

Monday, January 10: First day of class
Friday, April 8: Last day of classes
Friday, April 8: Last day of to drop CIS*4250

5   ROLES AND RESPONSIBILITIES

5.1   Communication & Email Policy
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.

5.2   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.

5.3   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.

5.4   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.

6 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. The key to use is "imhonest".

7 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.

More information: www.uoguelph.ca/sas