

CIS*2500*02 W20 Intermediate Computing:

Course Outline

Lecturer: Prof. Mark Wineberg
Office Hours: Mon, Wed, Fri – 10:30pm to 11:30pm in Reynolds, Room 2202
Email: cis2500 @ socs.uoguelph.ca
Lectures: ROZH, Room 101 – Mon, Wed, Fri 12:30pm to 1:20pm
Labs: REYN, Room 0002 – Various times
Textbooks: *C Programming Language (2nd Edition)*
by Brian W. Kernighan, Dennis Ritchie
Prentice Hall, 1988

Course Calendar Description:

In this course students learn to interpret a program specification and implement it as reliable code, as they gain experience with pointers, complex data types, important algorithms, intermediate tools and techniques in problem solving, programming, and program testing.

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>

Course Topics:

- Working with memory
- Dynamic memory allocation
- Arrays, strings
- Files
- Data structures and Algorithms
- Function Pointers
- Software design & testing

Grading: *Your final grade is the weighted sum of all assessments shown below*

[60%] Assignments

[20%]	4 Lab Assignments	(5% each)	<i>due in Lab</i>
[40%]	4 Larger Assignments	(10% each)	<i>due before the start of the following week (Mon 8:30am)</i>

[40%] Tests

[10%]	2 Quizzes (<i>mini-midterms</i>)	(5% each)	<i>written in class</i>
[30%]	Final		<i>April 18th, 11:30 to 1:30</i>

To pass the course you need to:

- Achieve an overall grade of 50% or above
- Pass the Tests component (50% or above on the *weighted average* of the three tests)
 - You may fail any of the tests as long as your weighted test average remains above 50%

If you do not pass the Tests component:

- Your final grade will be equal to the *weighted sum* of the three tests

Regrading:

If you feel an assignment or quiz has been incorrectly graded

- please email the course email address **within 5 days of receipt of the grade**
- include in the email your reason for the regrade request
 - if no reason is provided, no regrade will be done

A regrade is a full regrade of the entire assignment/quiz

- Your grade could go up, go down, or remain unchanged

Late Policy:

Assignments:

- Late assignments (either Lab or Individual) will be given a grade of zero

Quizzes:

- The two quizzes (“midterms”) will be written in class
- If you miss a quiz you may write a “challenge quiz”
- Challenge quizzes are given a pass/fail grade
 - If passed, the weight of the quiz will be added to the weight of the final
 - e.g. for one missed quiz your final will be worth 40% instead of 30%
 - If failed, you get a 0 for the missed quiz and your Final remains the same weighting as before

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 Academic Accommodation of Religious Obligations:
<http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-accomrelig.shtml>

If You Cannot Meet a Course Requirement

- If you find yourself unable to meet an in-course requirement because of illness or compassionate reasons, please advise the course in writing, with your name, id#, and e-mail contact.
- See the undergraduate calendar for information on regulations and procedures for Academic Consideration:
<http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-ac.shtml>

Timetable:

	(Mon)	Assign	Quiz (Fri)
W1	Jan 06		
W2	Jan 13	L1	
W3	Jan 20	A1	
W4	Jan 27	L2	
W5	Feb 03	A2	Q1
W6	Feb 10	L3	
RW	No Class		
W7	Feb 24		
W8	Mar 02	A3	
W9	Mar 09	L4	
W10	Mar 16		Q2
W11	Mar 23	A4	
W12	Mar 30		

Course Website

Course material, news, announcements, and grades will be regularly posted to the CIS*2500 Courselink Website, accessible from the uoguelph.ca front page. You are responsible for checking the site regularly.

- *Lecture Information:* The formal class notes will be posted on the course website, as the instructor has time to make them available. Extra explanatory material will be presented at lecture time, verbally or on the board. You are expected to take your own notes during lecture.
- *Assessments:* Assignments, project and descriptions readings material will be distributed through the course website. All assignments will be submitted via the course website. All project designs, and code will also be submitted through the course website

Academic Misconduct

Important Rules and Guidelines:

- 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.
- 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.

Relevant Websites:

- 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".

Errata:

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.

Recording of Materials

- Presentations made in relation to course work—including lectures—cannot be recorded in any electronic media without the permission of the presenter, whether the instructor, a 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.

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. ← *repeated for emphasis*
- Scheduled classes and group walk-throughs (*scheduled by mutual agreement outside of class/lab times*) will be the principal venue to provide information and feedback for exams and assignments.

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.