UNIVERSITY OF GUELPH
School of Computer Science
COURSE OUTLINE

Course Code: CIS*2500	**Course Title:** Intermediate Programming	**Date of Offering:** Winter 2017

Instructor: Dr. Deborah Stacey	**Office:** *None – email for an appointment* **Extension:** *None – communications by email only* **Email:** dastacey@uoguelph.ca
Teaching Assistant: *See Course Site*	**Hours:** *See Course Site*

Calendar Description: How to interpret a program specification and implement it as reliable code. Experience with pointers, complex data types, and important algorithms. Intermediate tools and techniques in problem-solving, programming and program testing. Prerequisite(s): CIS*1500	**Topics:** • Working with memory • Dynamic memory allocation • Arrays, strings • Data structures and Algorithms • Files • Function Pointers • Software design and testing
Class Information: Lectures M/W/F 14:30-15:20, ROZ 103	**Class Information: Labs** All labs are in Summerlee Science Complex Rooms 1303 or 1305.

Required Texts:

- *The C Programming Language, 2nd Edition, Brian W. Kernighan and Dennis M. Ritchie, Prentice Hall Software Series, 1988.*

Method of Evaluation:

Course Elements	**Date**	**Weight**
1. Examinations		**40%**
• Quizzes (2)	• Weeks 4 and 7 (during class) o Sec 1: Feb 1 & Mar 1 o Sec 2: Feb 2 & Mar 2	• 2 x 10% = 20%
• Final Exam	• Wednesday, April 12, 2017	• 20%
2. Assignments	***Details on course site***	**60%**
• *Lab*	• Weeks 2, 4, 6, 9 (during lab times)	• 4 x 5% = 20%
• *Individual*	• Weeks 3, 5, 8, 11 (Fridays) o Jan 27, Feb 10, Mar 10, Mar 31	• 4 x 10% = 40%
Final Exam	Thursday, April 13, 2017 (14:30-16:30)	Location: *TBA*

Grading Policies

The student must attempt all course elements (2) and achieve a passing grade in each element (*i.e.* exams, assignments). If you pass all elements your final grade will be the weighted average of all your grades (see weights above). Otherwise, it will be the lesser of the weighted average and the grade(s) in the failing element(s).

Course Site: *Moodle / CourseLink*

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ACADEMIC INTEGRITY

The University of Guelph is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards, and must abide by the applicable policies (see Section VIII of the Undergraduate Calendar on "Academic Misconduct" found on **https://www.uoguelph.ca/registrar/calendars/undergraduate/2016-2017/c08/c08-amisconduct.shtml**)

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. Instructors may use automated tools to detect possible cases of plagiarism. Work that shows significant unnatural similarity, or that appears to be copied from unacknowledged sources, will be investigated as potential academic misconduct. "Aiding and abetting" is also a punishable offence, and students must be careful not to help others commit offences by giving out their files or allowing others to access their computer accounts. ***Consider yourself warned.***

ACCEPTABLE USE POLICY

Please read the complete University of Guelph policy found on **https://www.uoguelph.ca/ccs/infosec/aup**.

E-MAIL POLICY

Students should include their **name** and **course number** in every email, *e.g.* Joe Smith: CIS*2500, since instructors are often involved in teaching more than one course per term. To comply with university privacy policy, all emails should be sent from your ***mail.uoguelph.ca*** account (not from hotmail.com or any other non-UoG host). All students are responsible for reading their ***uoguelph*** email and therefore should maintain their accounts, *i.e.* disk quotes should be monitored so that email is not rejected due to lack of space. On the subject line of your email please include the course number, e.g. "*Subject*: CIS*2500 – Question about the first assignment".