



# Course Information

CSE 2031  
Fall 2010

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## Instructor

U.T. Nguyen

- Office: CSE 2024
- Email: [utn@cse.yorku.ca](mailto:utn@cse.yorku.ca)
- Home page: <http://www.cs.yorku.ca/~utn>
- Office hours:
  - Monday, 16:30-17:30
  - Wednesday, 14:00-15:00
  - By appointment in special cases
- Course web site:
  - <http://www.cs.yorku.ca/course/2031>

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## Textbooks



- **The C Programming Language** (2<sup>nd</sup> edition)  
B. W. Kernighan and D. M. Ritchie  
Prentice Hall Software Series
- **Practical Programming in the UNIX Environment**  
Edited by W. Sturzlinger  
Pearson Custom Publishing

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## Course Content



- C programming language
  - Learning how write, test and debug C programs
- UNIX (LINUX) operating system
  - Using UNIX tools to automate compilation, program execution, testing and file manipulations
  - UNIX shell programming
- Why C and UNIX? Widely used, powerful, fast

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## Course Objectives

By the end of the course, you should be able to

- write applications (though small) in C
- test and debug your code
- use UNIX to automate the compilation process
- write programs using UNIX shell scripts and **awk**

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## Grading Scheme

- 10% – Weekly labs (7 to 10)
- 20% – Assignments (2)
- 20% – Lab tests (2)
- 20% – Midterm test
- 30% – Final exam

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# Course Schedule

Week of	Lecture	Reading/Notes	Weekly Lab	Assignment/Test
13 September	C Basics, basic I/O	C 1-2, C 7	17, 20 Sept.	
20 September	Functions, programming structures	C 3-4	24, 27 Sept.	
27 September	Arrays and pointers	C 5	01, 04 Oct.	Asg 1 out 4 Oct.
04 October	Dynamic memory allocation Structures	C 7.8.5 C 6	08, 18 Oct. NO LAB	
11 October	Reading week			
18 October	More on structures Unions, enumeration	C 6	22 Oct. Test 1 25 Oct. NO LAB	Asg 1 due 18 Oct. Lab Test 1, 22 Oct.
25 October	Midterm test		29, 01 Oct.	Midterm, 25 Oct.
01 November	I/O, files	C 7-8	05, 08 Nov.	
08 November	Discussion of midterm test (Buffer) <i>12 Nov. last day to drop courses</i>		12, 15 Nov.	
15 November	Unix	Posted notes	19, 22 Nov.	
22 November	Unix	Posted notes	26, 29 Nov.	Asg 2 out 22 Nov.
29 November	Unix	Posted notes	03 Dec. Test 2 06 Dec. NO LAB	Lab Test 2, 03 Dec.
06 December	Unix <i>10 Dec. last day of Fall classes</i>	Posted notes	10 Dec. NO LAB	Asg 2 due 08 Dec.

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# Weekly Labs

- A set of 2-3 **small** problems is posted on Mondays after each lecture for you to prepare.
- In the following Friday (Monday) lab session, one problem from the set is given. You will complete and submit the program in the "labtest" mode.
- No books or notes are allowed.
- Friday and Monday "labtest" problems may be the same or different.
- Depending on the number of labs (7-10), each lab is worth 1%-1.5%.
- Results and marks will be sent to your cse email accounts.

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## Assignments

- **Large** programming problems.
- Students have 2 weeks to complete and submit an assignment.
- Results and marks will be sent to students via email.

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## Tests and Exam

- Lab tests (2)
  - Small to medium-size programming problems
  - Questions are **not** given in advance.
  - Results and marks will be sent to students via email.
- Midterm test (written)
- Final exam (written)

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## Test and Exam Policy


- You are allowed to miss a test/exam only under extraordinary circumstances.
- If the reason is sickness, your doctor must fill in the [Attending Physician's Statement](#) form. Only this form, completely and properly filled, will be accepted.
- There are NO make up tests. The weight of a missed test will be transferred to another or the final exam.
- In this course, all assignments, tests and exam are individual work. Plagiarism and cheating are not tolerable.

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## Useful Suggestions

- When sending emails to the instructor or TA, please indicate "CSE 2031" in the subject line (e.g., "CSE 2031 - Lecture notes unreadable").
- For questions related to course materials, it is best to come to the office hours. Email is not a good way to explain the materials.
- Read the lecture notes and the textbook before and again right after each lecture.
- Work on the posted lab exercises before coming to the scheduled lab sessions.

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## Etiquettes

- Be on time.
- Turn off cell phones and pagers while in class.
- Do not distract or bother your classmates by talking to your neighbors. If you have questions, feel free to ask the instructor in class or after the lecture.

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Any questions?

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