



Trent University
COIS 1020H
2008 Summer Term

INTRODUCTION TO COMPUTING WITH C#

Course Outline

Instructor: Michael Jack,
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OC 102.6
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Text:

Required:

Chegwidden, J. and Gaddis, T. Starting Out with C#.
Accompanying Slides by Scott Jones Publishing.

Supplementary:

Deitel. C# How to Program, 1st edition, 2002.
Arthur Gittleman, Computing with C# and the .NET Framework, 2003

Prize:

Deitel Developer Series, C# for Programmers, 2nd edition, 2006 will be awarded to the student who has achieved the highest academic standing in the course.
Lewis, J. C# Software Solutions, 1st edition, 2007 will be awarded to the student who has achieved the highest cumulative grade for programming assignments in the course.

Meetings: Monday/Wednesday, 18:30 - 20:30, OC 203.

Office Hours: Monday, 17:00 - 18:30, OC 102.

Grading scheme:

9%	3 labs
35%	7 assignments
28%	8 quizzes
28%	final exam
5%	bonus

Course Content:

The purpose of this course is to examine the fundamental issues of software development including algorithmic design, implementation, testing, and documentation. The course introduces the basic constructs of sequence, selection, repetition, data representation, classes, arrays, and methods in the context of object-oriented technologies.

- Introduction
- Data Types
- Operators and Expressions
- Methods
- Classes and Objects
- Conditionals
- Files
- Repetition constructs
- Arrays
- More on Classes and Objects

Examination policy:

The quizzes are based on the chapters from the text book – one quiz per chapter. The best 7 out of 8 will be selected for the calculation of the final grade. All the quizzes will be done online using the myLearningSystem (WebCT) system. Since you are taking quizzes at the time and place of your convenience (during the allocated time frame), you can use any resources such as the Internet and books to help you answer the questions. However, the quizzes must be completed independently. The duration of each quiz will be 20 minutes.

The programming assignments are based on the chapters from the text book. Each assignment includes two programming questions. You are to complete at least one question. If you complete both questions (which is recommended), the assignment grade will be the best mark of the two.

Final exam is open text book. The final exam will be based on the same material as the quizzes, labs, and programming assignments. The better you do during the course, the easier it will be for you to “ace” the final. The duration of the final exam will be 2 hours.

No computers may be used during the final exam. The only digital devices permitted are calculators and digital wristwatches. Cell phones must be turned off during the examination.

You can earn up to 5% bonus that will be added to your final grade. For every logical or syntax mistake that you find in the text book you can earn a point. The point will be awarded to ONLY the first student who shows the instructor the mistake and for a maximum of 5 points per student.

Assignment submission policy:

The programming assignments are to be submitted using the myLearningSystem (WebCT) assignment drop box tool. Do NOT email the assignments or print and slide them under anyone's door as they will NOT be accepted. For each assignment and lab there is a due date and a cutoff date. Any assignment or lab submitted past the due date will incur a penalty of 10% per day. No assignments and labs will be accepted past the cutoff date.

Missed or Delayed Term Work:

You are expected to complete all labs and programming assignments and hand them in on time, and you are expected to write the quizzes within the allocated time frame. If you don't hand in some term work due to illness or another legitimate reason, Michael Jack is willing to make accommodations, but only if you report the problem to Michael Jack (not anyone else) as soon as is reasonably possible. Accommodations for missed term work will be decided on a case-by-case basis; typically they will involve either accepting assignments after the due date or making changes to the weighting used to compute the course grade.

Academic Dishonesty:

Academic dishonesty, which includes plagiarism and cheating, is an extremely serious academic offence and carries penalties varying from failure in an assignment to suspension from the University. Definitions, penalties, and procedures for dealing with plagiarism and cheating are set out in Trent University's Academic Dishonesty Policy which is printed in the University Calendar and found at:

http://www.trentu.ca/deansoffice/policies_dishonesty.php

Get help, but do not cheat!

You are encouraged to discuss your work with the instructor, lab adviser, and fellow students, since this is one of the best ways to learn the material. However, you should not let anyone take your quizzes, prepare your labs and program your assignments for you. When you submit your work, ask yourself two questions:

*Do I understand all the material I am handing in?
Could I do this over again without any help?*

The answer to both questions should be YES. Computers allow electronic copying of programs, which makes it very easy to cheat in a course like COIS 1020H. If you are caught cheating you will be reported to the Dean's Office for appropriate discipline!

Access to Instruction:

It is Trent University's intent to create an inclusive learning environment. If a student has a disability and/or health consideration and feels that he/she may need accommodations to succeed in this course, the student should contact the Disability Services Office (BL Suite 109, 748-1281, disabilityservices@trentu.ca) as soon as possible. Complete text can be found under Access to Instruction in the Academic Calendar.

Proposed Course Schedule (may slightly change as the course progresses):

Date	Type	Location	Start Time	Duration	Topic
June 16	Lecture 1	OC 203	18:30	2 hrs.	Introduction
June 18	Lecture 2	OC 203	18:30	2 hrs.	Data Types
June 23	Lecture 3	OC 203	18:30	2 hrs.	Operators and Expressions
June 25	Lecture 4	OC 203	18:30	2 hrs.	Methods
June 30	-	-	-	-	-
July 2	Lecture 5	OC 203	18:30	2 hrs.	Classes and Objects
July 7	Lecture 6	OC 203	18:30	2 hrs.	Classes and Objects
July 9	Lecture 7	OC 203	18:30	2 hrs.	Conditionals
July 14	Lecture 8	OC 203	18:30	2 hrs.	Repetition constructs
July 16	Lecture 9	OC 203	18:30	2 hrs.	Arrays
July 21	Lecture 10	OC 203	18:30	2 hrs.	More on Classes and Objects
July 23	Lecture 11	OC 203	18:30	2 hrs.	Review
July 28	Test	OC 203	18:30	2 hrs.	Final Examination