

COURSE OUTLINE  
Computing Science 1000

WINTER TERM 2001

**TITLE: Computer Programming for Engineers**

**SCHEDULE:**

Tuesday, Thursday **10:00 - 11:30**  
Lab AL1 Friday **14:30 - 15:50**  
Lab AL2 Friday **16:00 - 17:20**

JAN 18 2001

**INSTRUCTOR:** Franco Carlacci

**OFFICE:** C422

**TELEPHONE:** 539 2091

**HOME PAGE:** <http://cmss.gprc.ab.ca/~franco/>

**Course Content**

This course is intended as a first programming course for engineers. Students are expected to become familiar with basic computer concepts and terminology as well as to develop proficiency in programming with C++. By the end of the semester, students should have acquired a real appreciation (and insight) into the difficulties involved in defining instructions in a manner precise enough for the computer to execute.

This course will introduce most of the fundamental language features of C++. Each student is expected to design, write, test, debug and document several well-structured programs as solutions to given assignment problems. It is also expected that each student become familiar with certain features of PCs, Windows NT as well as the Microsoft Visual C++.

**Laboratories:**

You will need at least two (2) 3.5" HD or DD diskettes.

Scheduled labs will begin the week of January 8..

**Text:** *C++ How to Program third edition* by Deitel and Deitel

**COMPOSITION OF THE COURSE GRADE:**

<b>Theory Portion</b>	65%
Final exam	35%
Midterm test	20%
Quizzes	10%
<b>Applied Portion</b>	35%

Assignments: 35:

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Total 100%

**Special Notes :**

1. The Student must obtain at least 32.5 out of 65 in the Theory portion of the course in order to obtain a passing grade for the term.
2. The penalty for late assignments is a 30% deduction for any assignment submitted up to one week late. Any material received after this time period will **not** be assigned a grade.
3. The student is responsible for adhering to **all** requirements as specified for each assignment.
4. Assignments are not all of equal weight. The grade value of each assignment will be included as part of the handout.
5. If a student misses a particular class it is their responsibility to know the material covered and announcements made.
6. In order to avoid disruption, students are requested not to be late for classes
7. If you miss a quiz/exam you receive a mark of 0 unless you can provide a medical note or you give us prior notice.

*Page last updated on January 02, 2001 by Franco Carlacci*