# PRG155 - Programming Fundamentals Using C

### Winter/Summer/Fall - Year

## Professor:

Name

Office Hours:

Email Address:

## Prescribed Text

Title: C Programming for Engineering & Computer Science

Author: H.H. Tan & T.B. D’Orazio

Publisher: McGraw Hill

## Schedule (subject to change)

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| --- | --- | --- | --- |
| Week | Dates | Lecture | Labs |
| 1 | Week of **Sep 14** | C Fundamentals, Program Structure, Comments, Printing, Formatting Output | Lab 1 – Algorithm Development and 1st C program |
| 2 | Week of **Sep 21** | Data Types, Variables, Constants, Input, Troubleshooting & Debugging | Lab 2 – Program Editing, Debugging |
| 3 | Week of **Sept 28** | Operators | Lab 3 – Math & Variables |
| 4 | Week of **Oct 5** | Decision making, If-Else Statements | Lab 4 - If-Else Statements |
| 5 | Week of **Oct 12** | Decision making, Switch statement | Lab 5 – Switch Statements |
| 6 | Week of **Oct 19** | **Lecture Test 1 (10%)** | **Lab Test 1 (15%)** |
| **7. Study Week** | | | |
| 8 | Week of **Nov 2** | Looping, “for” loop | Lab 6 – “for” loop |
| 9 | Week of **Nov 9** | “while” and “do-while” loop | Lab 7 – “while”/ “do-while” loop |
| 10 | Week of **Nov 16** | Lecture Quiz **(5%)** | Final Lab Project Q&A |
| 11 | Week of **Nov 23** | Functions , Functions vs. Macros | Lab 8 - Functions |
| 12 | Week of **Nov 30** | Lecture Test 2 Review | **Lab Test 2 (15%)** |
| 13 | Week of **Dec 7** | **Lecture Test 2 (25%)** | **Final Lab Project** Demonstration / Submission |

## Details of the above outline are subject to ongoing adjustment during the course. Additional material may be included where appropriate.

## Modes of Evaluation

Lecture Tests & Quizzes 40%

Labs 15%

Lab Tests 30%

Lab Project 15%

**Assignment late policy**: An extension of up to 7 days for **only one** take-home assignment is permitted.

**Missing Test Policy**: Students who miss a test for medical and compassionate ground, and provide supporting documentation, will not be penalized. If a test is missed without a legitimate reason or the proper documentation is not provided, the student will receive a mark of zero.

## Seneca Academic Policy

Cheating and/or plagiarism are offences which will not be tolerated by the College. Such offences occur when a student violates the procedures governing the administration of examinations, tests or other means of evaluating student achievement in a subject or program. Students are responsible for being aware of college regulations in the Academic Policy Handbook.