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| Week | Chapter | Textbook Reading | Activities |
| 1  Sep 4 | Chapter 1:  Introduction to Computers and Basics | Section 1  Appendix B | Review “Preparation of Assignments” |
| 2  Sep 11 | Chapter 2:  Controls and Events | Sections 2.1-2.3  Appendix D | Exercise 2.2 (5, 6, 9, 16, 17, 26, 29, 34) Exercise 2.3 (7-10, 11, 13, 15, 33, 38) |
| 3  Sep 18 | Chapter 3:  Variables, Input, and Output | Sections 3.1-3.3 | Exercise 3.1 (1-22, 29, 31, 39-44)  Exercise 3.2 (5, 7, 15, 19, 23, 27-32, 40, 43)  Exercise 3.3 (3, 9, 31, 41, 51, 55, 65) |
| 4  Sep 25 | Chapter 4:  Decisions | Sections 4.1-4.3 | Exercise 4.1 (13-20, 27-29, 35, 53)  Exercise 4.2 (13-20, 23, 29, 38)  Exercise 4.3 (9-16, 24, 25, 29, 31)  **Assignment 1 due** |
| 5  Oct 2 | Chapter 5:  General Procedures | Sections 5.1-5.5 | Exercise 5.1 (5, 11, 15, 17)  Exercise 5.2 (5, 17, 20, 23, 31)  Exercise 5.3 (11, 12, 11, 12) |
| 6  Oct 9 | Chapter 6:  Repetition | Sections 6.1-6.4 | Exercise 6.1 (4, 7-11, 25, 27, 28-29)  Exercise 6.2 (2-3, 9, 17, 20, 25, 35)  Exercise 6.3 (6-9, 18-19, 24, 29)  **Assignment 2 due** |
| 7  Oct 16 | **Midterm exam** | | |
| 8  Oct 23 | Chapter 7:  Arrays | Sections 7.1-7.6 | Exercise 7.1 (13-15, 21, 27, 30, 33, 38, 39)  Exercise 7.2 (9-11, 25)  Exercise 7.3 (9-11, 14)  Exercise 7.4 (8, 13, 17)  Exercise 7.5 (11-14) |
| 9  Oct 30 | Chapter 8:  Sequential Files | Sections 8.1-8.3 | Exercise 8.1 (1, 3, 7, 13-16)  Exercise 8.2 (12, 15, 18, 21)  **Assignment 3 due** |
| 10  Nov 6 | Chapter 9:  Additional Controls and Objects | Sections 9.1-9.4 | Exercise 9.1 (9-15)  Exercise 9.3 (4)  Exercise 9.4 (1-4, 9, 10) |
| 11  Nov 13 | Chapters 10:  Database Management | Sections 10.1-10.2 | Exercise 10.1 (1-7)  Exercise 10.2 (1-12)  **Assignment 4 due** |
| 12  Nov 20 | Chapters 11:  Object-Oriented Programming | Sections 11.1-11.3 | Exercise 11.1 (1-4, 8-14, 23)  Exercise 11.2 (1-5)  Exercise 11.3 (4-10) |
| 13  Nov 27 | Chapter 12: Programming for the Web Review | Section 12 | Exercise 12.1 (2, 4, 18)  Exercise 12.2 (8, 12)  Exercise 12.3 (2, 12)  **Assignment 5 due** |
|  |  |  | **Final exam** |

**CMPT 110 (D100) Programming in Visual Basic**

**Semester:** Fall 2012

**Class Hours:**

Tuesday: 10:30am-11:20am @ AQ 3005

Thursday: 9:30am-11:20am @ C 9000

**Instructor:** Richard Frank, PhD

**Instructor’s Email:** [rfrank@sfu.ca](mailto:rfrank@sfu.ca)

**Office:** TASC1 9025

**Office Hours:** Tuesday 9:30am-10:20am

**Calendar Objective/Description:**

Topics will include user interfaces, objects, event-driven programming, program design, and file and data management.

**Instructor's Objectives:**

Introduction to programming in the event-driven paradigm using the Visual Basic language. Forms, controls, events, menus,

objects; subprograms, modular design; decisions and repetition; file and data management; special features. This is an entry-level

course, not a developer's seminar.

**Prerequisites:**

BC mathematics 12 (or equivalent) or any 100 level MATH course. Students who have obtained credit for, or are currently

enrolled in a computing science course at the 200 level or higher, or ITEC 240, 241 or 242 may not take CMPT 110 for further credit except with permission of the School of Computing Science. Quantitative.

**Topics:**

- Introduction to Computers and Visual Basic

- Problem Solving

- Fundamentals of Programming in Visual Basic

- Procedures

- Control

- Arrays

- File and Data Management

- Modules

- Special Features of Visual Basic

**Grading:**

Assignments 30%, Midterm exam 30%, Final exam 40%.

**Required Books:**

1:An Introduction to Programming Using Visual Basic 2010, (w/VS2010 DVD), 8/E, D.I. Schneider , Prentice-Hall, 2010: Text

comes with DVD to install VB at home

**Academic Honesty Statement:**

Academic honesty plays a key role in our efforts to maintain a high standard of academic excellence and integrity. Students are

advised that ALL acts of intellectual dishonesty will be handled in accordance with the SFU Academic Honesty and Student Conduct Policies ( http://www.sfu.ca/policies/Students/index.html ). Students are also encouraged to read the School's policy information page ( http://www.cs.sfu.ca/undergrad/Policies/ ).