

The background image is a dark, futuristic control room or cockpit. It features several glowing blue screens and panels. The main screen in the center displays a complex interface with various gauges, dials, and a list of items. To the left, there are more screens with circular gauges. To the right, there's a smaller screen showing a 3D model of a mechanical part. The overall aesthetic is high-tech and digital, with a strong blue color palette.

# CMPT 110

Programming in Visual Basic  
Fall, 2018

# Fall, 2018



## My Teaching Schedule > 2018 Fall > Simon Fraser University

View All  					
First  1-3 of 3  Last					
Class	Class Title	Enrolled	Days & Times	Room	Class Dates
<a href="#">CMPT 110-D100 (9771)</a>	Programming in Visual Basic 0 (Lecture)	0	Tu 2:30PM - 4:20PM	AQ3005	Sep 4, 2018-Dec 3, 2018
			Th 2:30PM - 3:20PM	AQ3005	Sep 4, 2018-Dec 3, 2018
<a href="#">CMPT 166-D100 (8442)</a>	Animated Intro to Programming (Lecture)	0	MoWeFr 8:30AM - 9:20AM	SUR2600	Sep 4, 2018-Dec 3, 2018

[View Weekly Teaching Schedule](#)

[Go to top](#)

## My Exam Schedule > 2018 Fall > Simon Fraser University

 					
Class	Class Title	Exam Date	Exam Time	Enrolled	Exam Room
<a href="#">CMPT 110-D100 (9771)</a>	Programming in Visual Basic (Lecture)	2018/12/5, Wednesday	3:30PM - 6:30PM	0	TBA
<a href="#">CMPT 166-D100 (8442)</a>	Animated Intro to Programming (Lecture)	2018/12/7, Friday	3:30PM - 6:30PM	0	TBA

[View Weekly Exam Schedule](#)

[Go to top](#)

# ADMINISTRATIVE

- **Instructor: Dr. Steven Pearce**
  - Theoretical astrophysicist and applied mathematician.
  - Over ten years with NASA and the Lunar and Planetary Laboratory
  - Senior Exploration Geophysicist

Voyager 2  
NEPTUNE ENCOUNTER  
August 25, 1989  
PSO Access Authorization For:  
STEVEN PEARCE



# ADMINISTRATIVE

- **Instructor: Dr. Steven Pearce:**
- **STRONGLY RECOMMENDED TEXTBOOK:**
- **Computer Programming Concepts and Visual Basic, Schneider (1995 online).**

**Computer Programming  
Concepts and Visual Basic**

**David I. Schneider**

UNIVERSITY OF PHOENIX  
COLLEGE OF INFORMATION SYSTEMS AND TECHNOLOGY



# ADMINISTRATIVE

- **Instructor: Dr. Steven Pearce:**
- **STUDY GUIDE** (Emailed shortly)



# ADMINISTRATIVE

- Instructor: Dr. Steven Pearce:
- References:

developer.microsoft.com

Any Developer. Any App. Any Platform.

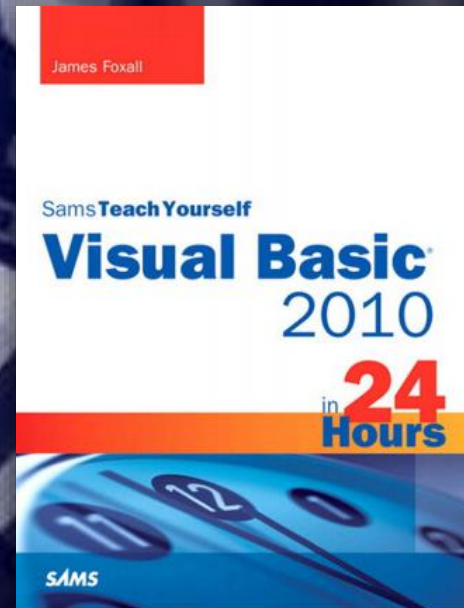


*[https://msdn.microsoft.com/en-us/library/2x7h1hfk\(v=vs.80\).aspx](https://msdn.microsoft.com/en-us/library/2x7h1hfk(v=vs.80).aspx)*

# ADMINISTRATIVE

- Instructor: Dr. Steven Pearce:
- References:

*THIS IS EXCELLENT.*





# ADMINISTRATIVE

- **Instructor: Dr. Steven Pearce:**
- **References:**



*<https://www.tutorialspoint.com/vb.net/>*

**Online compiler:**

[https://www.tutorialspoint.com/compile\\_vb.net\\_online.php](https://www.tutorialspoint.com/compile_vb.net_online.php)



# ADMINISTRATIVE

- **Instructor: Dr. Steven Pearce:**
- **References:**



<https://www.youtube.com/watch?v=3FkWddODLno>

# ADMINISTRATIVE

- Instructor: Dr. Steven Pearce:
- **Outstanding Reference:**



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Saul Greenberg

[http://pages.cpsc.ucalgary.ca/~saul/vb\\_examples/#Tutorials](http://pages.cpsc.ucalgary.ca/~saul/vb_examples/#Tutorials)



# ADMINISTRATIVE

- Instructor: Dr. Steven Pearce:
- Outstanding Reference:
  - **Look to online “cheat sheets”**

© thecodingguys 2013

## Visual Basic Cheat Sheet

12/24/2013

# From the SFU Course Outline

## 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



# Tentative Syllabus

Week	Topic
1 (Sept. 4 <sup>th</sup> )	Introduction to Course
2 ( 11 <sup>th</sup> )	Introduction to Programming
3 ( 18 <sup>th</sup> )	Programming in VB
4 ( 29 <sup>th</sup> )	Events
5 (Oct. 2 <sup>nd</sup> )	Representing and Storing Values
6 ( 19 <sup>th</sup> )	Subprograms
7 ( 20 <sup>th</sup> )	MIDTERM
8 ( 23 <sup>rd</sup> )	Decisions
9 ( 30 <sup>th</sup> )	Iteration
10 (Nov. 6 <sup>th</sup> )	Arrays
11 ( 13 <sup>th</sup> )	I/O
12 ( 21 <sup>st</sup> )	Graphics
13 ( 27 <sup>th</sup> )	Review

# Grading

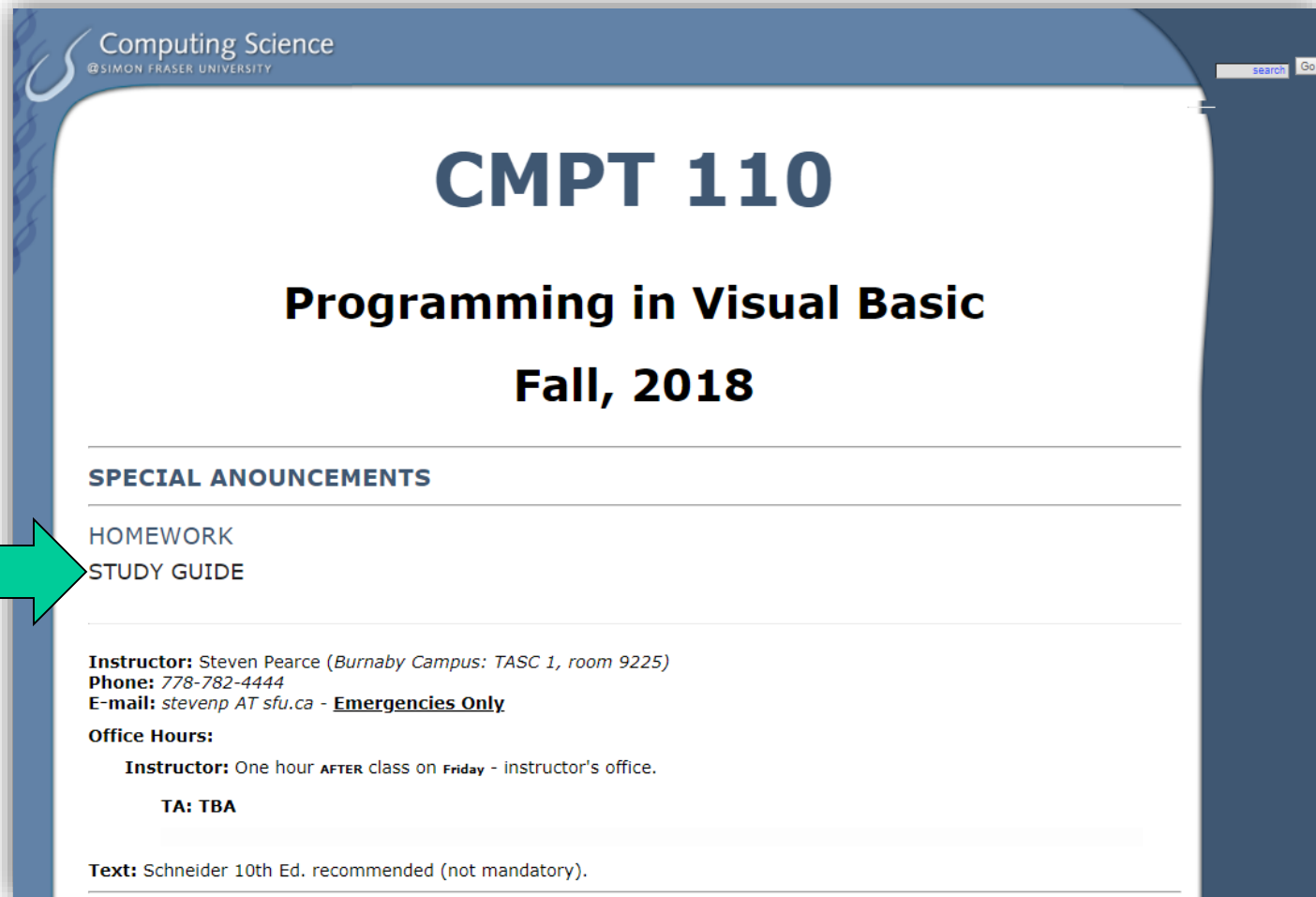
Assignments	20%
Midterm (Tuesday, October 9 <sup>th</sup> )	30%
Final (Wednesday, December 5 <sup>th</sup> )	50%

## NOTES:

1. Much of your grade is based on reading the Study Guide (linked at the bottom of our website).



# Course Website



The screenshot shows a web page for the CMPT 110 course. The header includes the Simon Fraser University logo and the text 'Computing Science @ SIMON FRASER UNIVERSITY'. A search bar is in the top right corner. The main title is 'CMPT 110' in large blue letters, followed by 'Programming in Visual Basic' and 'Fall, 2018' in bold black letters. Below this is a section titled 'SPECIAL ANOUNCEMENTS'. Underneath, there are links for 'HOMEWORK' and 'STUDY GUIDE'. A large green arrow points to the 'STUDY GUIDE' link. Further down, contact information for the instructor, Steven Pearce, is provided, including his phone number, email, and office hours. The text 'TA: TBA' is also present. At the bottom, it mentions the recommended textbook: 'Schneider 10th Ed. recommended (not mandatory)'.

Computing Science  
@ SIMON FRASER UNIVERSITY

search Go

## CMPT 110

### Programming in Visual Basic

### Fall, 2018

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#### SPECIAL ANOUNCEMENTS

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[HOMEWORK](#)  
[STUDY GUIDE](#)

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**Instructor:** Steven Pearce (*Burnaby Campus: TASC 1, room 9225*)  
**Phone:** 778-782-4444  
**E-mail:** [stevenp AT sfu.ca](mailto:stevenp@sfu.ca) - **Emergencies Only**

**Office Hours:**  
**Instructor:** One hour **AFTER** class on **Friday** - instructor's office.  
**TA:** TBA

**Text:** Schneider 10th Ed. recommended (not mandatory).

<https://www.cs.sfu.ca/CourseCentral/110/stevenp/>

## Fall Term (September-December 2018)

September 3	Labour Day All classes cancelled and offices closed
September 4	Classes start
October 4-5	Convocation
October 8	Thanksgiving Day All classes cancelled and offices closed
November 12	In lieu of Remembrance Day All classes cancelled and offices closed
December 3	Last day of classes
December 5-16	Exams

**Class cancelled on Thursday, October 18<sup>th</sup> (Cybersecurity)**



# ADMINISTRATIVE

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- **Plagiarism will not be tolerated.**



The background of the slide is a deep blue, almost black, space filled with a perspective view of binary code (0s and 1s). The code is arranged in multiple layers, creating a sense of depth and movement towards a bright, glowing light source at the far end of the tunnel. The light source is a bright white-yellow sphere, creating a strong lens flare effect that illuminates the surrounding binary digits. The overall aesthetic is high-tech and futuristic.

End Administrative Unit

Questions?