




# ICS3C/ICS3U Outline

This is a work in progress and is constantly updated. Individual courses are adapted to meet the needs of the students and rarely follow the same path.

1. [Administrivia](#) 
  - a. [Google20 Days](#) [GDoc]
  - b. [#BDSICS Tweets](#)
2. [Something to Consider...](#)
3. [Web 2.0 Tools](#)
4. Google Docs Overview
  - a. [ICSxx Test Document](#) (if using Google Groups; sign-req'd)
5. [Tech is Cool](#) Intro
6. Inspiration
  - a. [The magic ingredient that brings Pixar movies to life](#)
7. Computers & Society
  - a. [Text Messaging: Is it Safe?](#)
  - b. [The Digital You](#) (Internet Addiction)
  - c. [Teaching in the Digital Age - Your Opinion](#)
  - d. [Précis Assignment](#)
    - i. [ICT Skills Shortage](#)
8. Programming
  - a. [Basics of Computation \(Video\)](#) [GC] 
  - b. [How Algorithms Shape Our World \(video\)](#)
  - c. Binary Chairs Activity 
  - d. [Compression Intro](#) (Code.org)
  - e. [Processing](#)
  - f. [App Inventor](#) [primary resource?]
    - i. [Thunkable](#)
  - g. Python
    - i. [CS Circles Tutorial](#) [GC (ongoing)]
      1. [Sorting Scramble Aid](#)
    - ii. [Python Tutorial](#) (no longer used)
    - iii. [String Assignments](#)
    - iv. Tests
      1. Concatenation test [[teacher link](#)]
      2. String test [[teacher link](#)]
      3. Read Text File test [[teacher link](#)]
  - h. [Program Header Requirements](#)
  - i. [Programming Challenges](#)
  - j. [Problems Based on ECOO "Java 11 Doc"](#) [ECOO [link](#)] (PDF) [[teacher link](#)]
    - i. done in groups and individually
  - k. [Flowcharting](#)

- I. Careers
  - i. [Article: Computer Science is the Hottest Major on Campus](#)
  - ii. [Careers Article](#)
  - iii. [Careers Article II](#) - "Programming, Development Skills in Demand"
  - iv. [Job Interview Questions Assignment](#)
- 9. Summative Evaluation(s)
  - a. [Final Programming Project](#)
  - b. [Self Evaluation](#) [[teacher link](#)]
  - c. Work Habits Self Evaluation [need to create assignment page w/ link to Google Doc]
  - d. [Course Evaluation](#)

#### Old Items

- 1. [College or University?](#) (2009-2010 only)
- 2. ICS3C ActionScript
  - a. Graphics and Animation
  - b. Adding User Controls
  - c. Text and Creating Forms
  - d. Culminating Activity - Creating Website Content
- 3. ICS3U ActionScript
  - a. Discovering IT
  - b. Taking Action with ActionScript
  - c. Making a List, Checking it Twice...
  - d. Culminating Activity
- 4. Final Programming Project [2009-2010 [teacher link](#)]
- 5. [Final Independent Research Project](#)
- 6. [Portfolio](#)
- 7. [History of Programming Languages](#)
- 8. Turing
  - a. [Turing Graphics](#)
  - b. [Turing Tutorial](#)
- 9. [Monsters Deconstruction](#)