

Lecture 2 Concepts:

- C++ Program Structure
- Standard libraries
- Makefiles

- Variables
- Arrays
- Pointers and references
- Structures
- Classes
- Creating objects

- Version Control
- Testing – Write tests first

Suggested Reading:

<http://svnbook.red-bean.com/>, Chapters 1-2

An Introduction to the Imperative Part of C++

<http://www.doc.ic.ac.uk/~wjk/C++Intro>

Assignment:

- 1) Write a program to generate entries in the Fibonacci sequence. The program should prompt the user for how many entries should be printed and then print out 10 numbers per line until the correct amount have been output.
- 2) Implement a 3d vector class implementing both dot and cross products. Include testing code to ensure the functions work correctly. Write a main program that runs several example calculations of each function.
- 3) Create a new folder in Subversion repository for the code in #2 and check it in.