C++ Programming

**Instructor:** Chris Cantrell, topherCantrell@gmail.com

**Text:**  *C++ Primer Plus Sixth Edition*, Stephen Prata

5:00 – 6:00: Lecture

6:00 – 6:15: Break

6:15 – 7:15: Lecture

7:30 – 8:30: Lab

### Day 1

* Functions, Files, and Namespaces ch2
* Variables and Expressions ch3
* Code Flow (if/while) ch5, ch6

### Day 2

* Flow (for/do/switch) ch5, ch6
* Arrays and Pointers ch4
* References ch8

### Day 3

* Structures/Classes and “this” ch10
* Constructors and Destructors ch12
* Inheritance ch13

### Day 4

* Strings ch16
* Operator Overloading ch11
* Stream Operators ch17
* File I/O ch17

### Day 5

* Templates and STL Containers ch16
* Exceptions ch15

### Day 6

* Virtual Methods and Polymorphism ch13
* Object Oriented Programming