Course Title: Beginning Programming III

Course Description:
Advanced topics in programming using C++

Course Prerequisite(s):
Beginning Programming II or equivalent experience

Course Objectives:
Demonstrate use of programming pointers, multidimensional arrays, classes and objects.

Reference Book:
Ivor Horton's Beginning Visual C++ 2012
Ivor Horton
ISBN: 978-1-118-36808-4

Lesson Plan – by week or session
Session 1: Arrays, Strings
Session 2: Pointers
Session 3: Introducing Structure
Session 4: More about Program Structure
Session 5: Defining your own Data Types
Session 6: More on classes
Session 7: Class Inheritance and Virtual Functions
Session 8: Review