Course Number: CPGM 6350

Course Title: Beginning Programming III

Course Description: Advanced topics in programming using C++

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

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

Student Learning Outcomes: Demonstrate use of programming pointers, multidimensional arrays, classes and objects.

Certification Notes: N/A

Next course recommendation: SQL Programming

Refund Policy: Please refer to www.collin.edu/ce/inforegistrar.html for our refund policy. No refunds after the start time of the first class.

Americans with Disabilities Act: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student’s responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current Collin Student Handbook for additional information.

Course Sessions: Listed are guidelines to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.

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

Method of Evaluation: Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.