C++ I
Fall, 2013

General Course Information - CIT 142 – 35Z1 (36929)

Instructor: Jesse Moore
Office: N/A
Phone: 270-318-0997 (This is my cell phone number. Only call in case of emergencies.)
E-mail: jmoore0176@kctcs.edu
Prerequisites: CIT 120 or instructor's consent

Textbook:
Joyce Farrell, Object-Oriented Programming Using C++, Fourth Edition. Course Technology Incorporated, 2009, ISBN 13: 978-1-4239-0257-7

Course Description:
Introduces students to fundamental programming concepts using the C++ programming language. Includes data types, control structures, simple data structures, error-handling, modular programming, and information and file processing. Pre-requisite: CIT 120 OR Consent of Instructor. Lecture: 3.0 credits (45 contact hours).

Course Objectives:
This course provides the beginning programmer with complete coverage of all CS1 programming topics, with emphasis on the C++ programming language. Students will learn basic programming concepts such as structure, decision making, looping, arrays, methods and will learn good style and logical thinking. Objects and object-oriented programming concepts are introduced very early in the text.

Attendance Policy:
This class is entirely online. All work will be received and submitted via Blackboard. Please check blackboard and email a minimum of twice a week to stay updated.

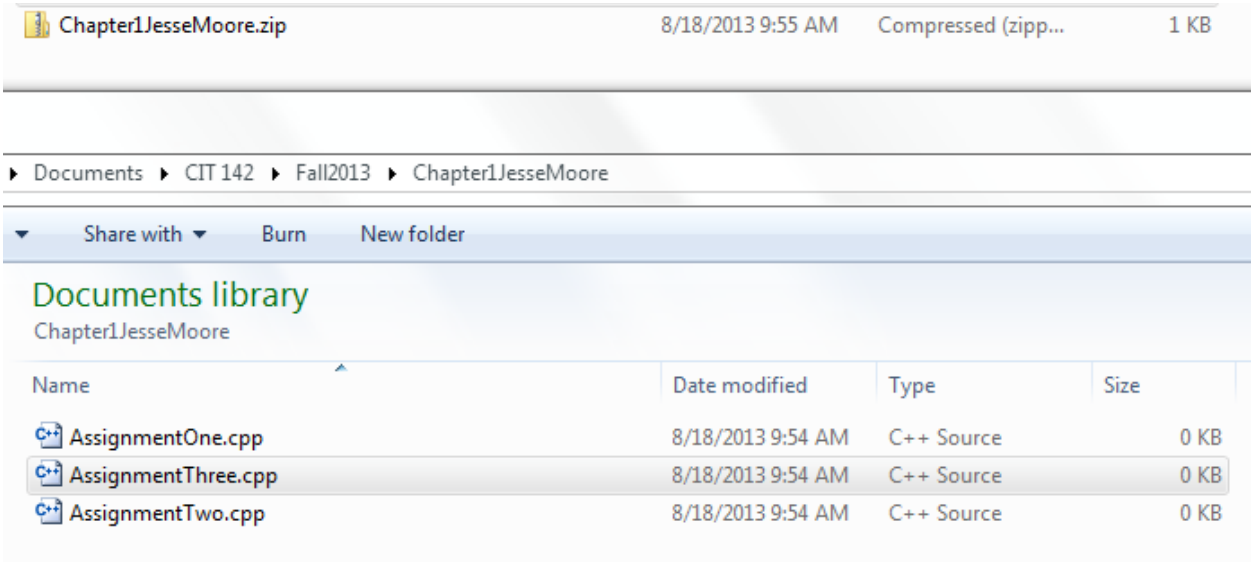
Discussion Boards:
While programming may seem like a solitary science, it's often the opposite. Working with multiple programmers can give you different perspectives and techniques on similar obstacles. If you have a question about an assignment use the discussion boards first. It's likely another student can answer your question or has already asked the question. If they can, this will make the answer publicly available to other students. This reduces the number of questions asked and creates a knowledge base for all students to reference that is specific to this class. I encourage you to browse the discussion boards for questions you might know the answer to and help out your fellow students. If no one answers your question in a day or two I'll gladly help you on the discussion boards. If you have a question that must involve displaying the complete answer or is too personal for the discussion boards, please send me an email so we don't spoil all the fun for everyone else. If you're having trouble with a specific area of your code that doesn't involve too much of the answer, feel free to post it to the discussion boards to give your classmates context on your problem.

Grading and Evaluation Criteria:

60% of your grade is based on homework submissions. (240 points)
15% of your grade will be based on your a paper. (60 points)
25% of your grade will be based on your final project. This is a practical final and will require you to use all the tools you've learned throughout the course. (100 points)

Grading Rubric:
A – 100% - 90%
B – 89% - 80%
C – 79% - 70%
D – 69% - 60%
F < 59%

How To Submit Assignments:
Your assignments will typically be .cpp files with code in them. When submitting an assignment, put all needed files in a folder and zip the folder before submitting. Please include your name in the zipped folder name without any spaces (e.g. JesseMooreChapter1.zip). When submitting code just include the .cpp file without any extras Visual Studio might create. Points will be deducted for improperly formatted submissions. Example below.



Option To Repeat:
Anyone repeating this course for credit must complete an "Option to Repeat" Form with his/her advisor.

ADA Notice:
Any student requiring individualized accommodations due to a disability should contact Disability Resource Coordinator at their schools.

Academic Honesty Policy:
The KCTCS faculty and students are bound by principles of truth and honesty that are recognized as fundamental for a community of teachers and scholars. The college expects students and faculty to honor, and faculty to enforce, these academic principles. The college affirms that it will not tolerate academic dishonesty including, but not limited to, violation of academic rights of students and students offenses. (Rules of the Community College Senate, Section VII and Code of Student Conduct, Article II)

Competencies/Student Outcomes:
Upon completion of this course, the student can:

- Demonstrate knowledge of the program development life cycle.
- Design, develop, compile, debug, test, run, and document programs in the C++ language using a software development kit.
- Design and develop programs using operators and assignments.
- Design and develop programs using primitive data types.
- Design and develop programs using sequence, selection, and repetition structures.
- Design and develop programs using single and multi-dimensional arrays.
- Design and develop programs using pointers.
- Design and develop programs using void and value passing functions.
- Design and develop programs using object-oriented programming features, including defining classes and instantiating objects.
- Design and develop programs using effective error and exception handling.
- Evaluate and critique effectiveness and efficiency of code.

General Education Competencies:

- Apply knowledge, theories, and research methods, including ethical conduct, to analyze problems pertinent to at least one area of the social and behavioral sciences
- Explain the basic concepts and principles in one or more of the sciences
- Apply an appropriate model to the problem to be solved

Campus Phone Contact:
Glory Lawless – (270) – 831-9684

About your instructor:
I'm a full-time programmer at a software development company in Henderson, KY. I have a degree in Computer Information Technology with a specialty in computer programming.