Course Syllabus - Fall 2014

Course Title/Number: Programming Practicum/ IST 163-102
Location: Prichard Hall 200
Times: MW 1:00 pm - 2:15 pm
Instructor: Dr. Alice Lin
Office: 346 Old Main
Phone: (304) 696-6418
E-Mail: lina@marshall.edu
Office hours: TR 10:30-12:00, 3:30 - 5:00
Other times by appointment

University Policies: By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy by going to http://www.marshall.edu/academic-affairs and clicking on "Marshall University Policies." Or, you can access the policies directly by going to http://www.marshall.edu/academic-affairs/?page_id=802

Academic Dishonesty/ Excused Absence Policy for Undergraduates/ Computing Services Acceptable Use/ Inclement Weather/ Dead Week/ Students with Disabilities/ Academic Forgiveness/ Academic Probation and Suspension/ Academic Rights and Responsibilities of Students/ Affirmative Action/ Sexual Harassment

Course Description:
Concepts of software development and maintenance using C++, including syntax of the language, loops, functions, decision structures, and file processing. Proper program design using object-oriented programming techniques are emphasized.

Textbook:
Absolute C++ (5th Edition)
ISBN-10: 013283071X
ISBN-13: 9780132830713
Author: Walter Savitch
Publisher: Addison-Wesley; 5 edition

Credit:
The course is three (3) credit hours. It includes classroom lectures, exams and Programming assignments.

Course Student Learning Outcomes:
By the end of this course, you should be able to:

Course Learning Outcomes	How Each Outcome is Practiced in this Course	How Each Outcome is Evaluated in this Course
Understanding of C++ syntax and formulate logical flow of an algorithm from a problem statement.	In-class lectures, in-class examples, exams, and programming assignments	Programming assignments and exams
Solve various problems that incorporate the use of correct data types, arrays, vectors, loops, branching, operators, functions, recursion, dynamic memory allocation and sequential file I/O concepts.	In-class lectures, in-class examples, exams, and programming assignments	Programming assignments and exams
Solve various problems that use object-oriented methodology by defining classes and using inheritance and polymorphism.	In-class lectures, in-class examples, exams, and programming assignments	Programming assignments and exams

Grading Policy:
Exams - 50%
Programming Assignments - 50%

Final letter grades are determined based on the following grading scale:

90-100% A
80-89% B
70-79% C
60-69% D
Below 60 F

The instructor reserves the right to change these values depending on the overall class performance and/or extenuating circumstances.

Attendance Policy:
Attendance is strongly encouraged. It is the student's responsibility to meet with instructor to discuss absences due to illness or other reasons. The university attendance policy will apply for excused absences.

Withdrawal Policy:
The University withdrawal policy is followed in this course. The last day to drop an individual course for the Fall Semester is October 31, 2014.

Course Schedule:
Please note this is a tentative schedule.

Week 1	8/25	Syllabus, CH 1
Week 2	9/1	Labor Day Holiday, CH 2
Week 3	9/8	CH 3-4
Week 4	9/15	CH 5-6 (Programming Assignment 1 due)
Week 5	9/22	CH 7-8
Week 6	9/29	CH 9-10 (Programming Assignment 2 due)
Week 7	10/6	CH 11-12
Week 8	10/13	Midterm Exam, CH 13
Week 9	10/20	CH 14-15 (Programming Assignment 3 due)
Week 10	10/27	CH 16-17
Week 11	11/3	CH 18 (Programming Assignment 4 due)
Week 12	11/10	CH 19
Week 13	11/17	CH 20
Week 14	11/24	Thanksgiving/Fall Break-Classes Dismissed
Week 15	12/1	Dead Week –Review ((Programming Assignment 5 due)
Week 16	12/8	Final Exam