Course Syllabus - Spring 2016

Course Title/Number: Programming Languages/ IST 334
Location: Prichard Hall 200
Times: TR, 11:00 am - 12:15 pm
Instructor: Dr. Alice Lin
Office: ML 104
Phone: (304) 696-6418
E-Mail: lina@marshall.edu

Office hours: MW 12:30pm - 1:00pm, 3:45pm - 4:15pm, WAEC 1104
T 12:20 pm - 1:50 pm, PH 200
R 12:20 pm - 1:50 pm, ML 104
TR 3:15pm - 3:45pm, WAEC 1104
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 www.marshall.edu/academic-affairs and clicking on "Marshall University Policies." Or, you can access the policies directly by going to www.marshall.edu/academic-affairs/policies/. 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: From Catalog
Evaluation of the specification, syntax, semantics, compilation, and software development issues surrounding the development of programming languages. Students are introduced to imperative and functional languages; concurrency, logic, object-oriented approaches.

Textbook:
There will be no required textbooks for the course. Some material will be posted on blackboard and some will be handed out in class.

Credit:
The course is three (3) credit hours. It includes classroom lectures, in-class exercises and exam.

Course Student Learning Outcomes and Assessment Measures:

Course student learning outcomes	How students will practice each outcome in this course	How student achievement of each outcome will be assessed in this course
Students should understand how run-time systems for imperative programming languages work.	In-class lectures, in-class examples, in-class exercises and exam	The quality of student performance on in-class exercises and exam.
Students should be familiar with aspects of the object-oriented, functional and declarative paradigms.	In-class lectures, in-class examples, in-class exercises and exam	The quality of student performance on in-class exercises and exam.
Students should be able to analyze the syntax, semantics, type handling, scoping rules, naming rules, and exception handing of several programming languages.	In-class lectures, in-class examples, in-class exercises and exam	The quality of student performance on in-class exercises and exam.
Students should be able to demonstrate the strengths and weaknesses of different programming languages.	In-class lectures, in-class examples, in-class exercises and exam	The quality of student performance on in-class exercises and exam.

Grading Policy:
In-class exercises - 70%
Final Exam - 30%

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. Lecture material will not be reiterated for persons failing to attend a previous session. 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 Spring Semester is March 18, 2016.

Course Schedule:
Please note this is a ***tentative*** schedule. The instructor reserves the right to make changes as appropriate based on the progress of the class.

Week	Start date	Topics, Due dates
1	1/11	Syllabus, Introduction
2	1/18	History
3	1/25	Syntax
4	2/1	Semantics
5	2/8	Syntax Analysis
6	2/15	Names, Bindings, and Scopes
7	2/22	Data Types
8	2/29	Expressions
9	3/7	Assignment Statements
10	3/14	Selection Statements
11	3/21	Spring Break, Classes dismissed
12	3/28	Iterative Statements
13	4/4	Subprograms
14	4/11	Abstract Data Types
15	4/18	Encapsulation Constructs
16	4/25	Dead Week
17	5/2	Final Exam (May 3, 10:15-12:15)