



Department of Electrical and Computer Engineering
CSE 215: Programming Language II
Course Outline – Spring 2018

Instructor: Silvia Ahmed

Office: SAC 924

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Office Hour:

Sunday & Tuesday	1:30 – 4:30 PM	Thursday	9:00 – 11:00 AM
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Credit: 3 Credit Hours

Course Outline:

This is a more traditional programming course for computer science majors and other students with deep interest in the subject. This course introduces the basic concepts and techniques of object oriented programming. Actual programs are constructed using one or more high level languages with emphasis placed on the concepts introduced in the previous course. Java is primarily chosen as the programming language in this course. Reusability, readability, and documentation are also strongly stressed. This course has mandatory laboratory sessions every week.

Tentative Marks Distribution:

Homework	15%
Quizzes	15%
Mid Term 1	15%
Mid Term 2	20%
Final Exam (comprehensive)	35%

Text Book:

1. “Introduction to JAVA programming”, Y. Daniel Liang , 10th Edition, Pearson.
2. “Java: The Complete Reference”, Herbert Schildt.

Reference Materials:

1. Java Standard Documentation: <http://docs.oracle.com/javase/7/docs/>
2. Eclipse IDE: <https://www.eclipse.org/>
3. Java Development Kit 8

General Guidelines:

1. Attentive attendance in classes is mandatory.
2. Distracting others in class is violating others rights to be attentive. So food, laptop or cell phones are not allowed during class time. However, you may drink water, soft drinks, and/or coffee at your convenience.
3. **No make-up exams** will take place for missed quizzes and mid-term. If you miss a quiz, you will get zero for that.
4. Assignments are due at the beginning of the lecture sessions at the deadline. There will be a penalty of **20% for delay submission under 24 hours** and **50% penalty for delay under 48 hours**. Any **more delay** will result in **100% penalty** for that submission. It is your responsibility to submit the assignments in time.
5. **Final exam** will be **comprehensive**.
6. Any means of unauthorized assistance in preparing materials which a student submits as original work is deemed to be cheating and constitutes grounds for disciplinary action. Serious instances may be referred to the Disciplinary Committee in the Office of the Vice Chancellor.

Tentative Date and Schedule

No	Date	Topic	Recomm. reading	Exams
1	24/01, Wed	Introduction to Computers, Programs, and Java	Ch – 1	
2	29/01, Mon	Elementary Programming	Ch – 2	
3	31/01, Wed	Selections	Ch – 3	
4	05/02, Mon	Loops	Ch – 5	Quiz 1
5	07/02, Wed	Arrays	Ch – 7, 8	
6	12/02, Mon	Methods	Ch – 6	
7	14/02, Wed	String	Ch – 4	
8	19/02, Mon	<i>Review Class</i>		Quiz 2
9	26/02, Mon	Midterm 1 [Ch: 1 – 8]		
10	28/02, Wed	Objects and Classes	Ch – 9	
11	05/03, Mon	Object Oriented Thinking	Ch – 10	
12	07/03, Wed	Inheritance	Ch – 11	
13	12/03, Mon	Polymorphism	Ch – 11	Quiz 3
14	14/03, Wed	Abstract Classes	Ch – 13	
15	19/03, Mon	Interfaces	Ch – 13	
16	21/03, Wed	<i>Review Class</i>		Quiz 4
17	28/03, Wed	Midterm 2 [CH: 9 – 11, 13]		
18	02/04, Mon	Exception Handling	Ch – 12	
19	04/04, Wed	Text I/O and Binary I/O	Ch – 12, 17	
20	09/04, Mon	Generics	Ch – 19	
21	11/04, Wed	Multithreading and Parallel Programming	Ch – 30	Quiz 5
22	16/04, Mon	<i>(Open Topics)</i>		
23	18/04, Wed	<i>(Open Topics)</i>		
24	22/04, Sun	<i>(Open Topics)</i>		Quiz 6
Final Exam [Comprehensive]				