

## COUESE OUTLINE

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**Fall 2020**

### **Object Oriented Paradigm**

**COSC 1337**

**T-R: 2:00- 3:25 PM**

**Room # TBD**

**Instructor:** Arun Kulkarni, Ph.D. Professor of Computer Science

**Office:** COB 315.07

**Office Hours Via Zoom: :** T-Th: 11:00-12:00 PM

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JAVA represents a new way to write computer programs. This course will cover fundamental concepts of object-oriented programming. There are two main aspects in JAVA programming: developing a GUI and implementing logic for functional capabilities. Both aspects will be covered in the course. The topics and time allocation are described below.

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#### **Text Book:**

John Lewis and William Loftus (2017). Java Software Solutions: Foundation for program design. Pearson, Upper Saddle River, NJ. (Ninth Edition)

#### **Additional Book:**

Deitel H. M. and Deital, P. J. (2005). Java How to Program, Prentice Hall, Upper Saddle River, NJ.

Topic	Hours
Introduction to JAVA	3
Designing Applications in JAVA	3
Data Types and Instance Variables	3
Decision structures	3
Repetition Structures	3
Arrays and Strings	6
Methods	3
Object Oriented Programming	6
Graphical User Interface	6
Exception Handling	3
Files and Streams	3
Multi-Threading	3
Multimedia	3

**Schedule:**

Assignments	25 %	
Test 1	20 %	Thursday, 1-OCT-2020
Test 2	20 %	Tuesday, 3-NOV-2020
Final Exam	30 %	TBD
Attendance & Class Participation	5 %	

Score	Grade
89-100	A
80-89	B
70-79	C
60-69	D
0-59	F

**Academic Dishonesty:** You are expected to do your own work. You may assist each other with general concepts, but direct assistance with a particular assignment or any attempts to gain an unfair academic advantage will not be tolerated. Cheating is considered a serious academic offense both by the department and the University. It may result in a failing grade from this course for all parties involved. The instructor reserves the right to ask you to explain any assignment that you turn in to judge if the work is actually yours.

**Disabilities:** If you have a disability, including a learning disability, for which you request an accommodation, please contact the Student Services Center located in the University Center, Room 282. The telephone number is 566-7079 (TDD 565-5579) so that the appropriate arrangements may be made.