CS 213 : Software Methodology

Fall 2020
(Section 01, 02, 03, 04)
Sesh Venugopal

Introduction

Resources

Sakai@Rutgers

http://sakai.rutgers.edu
(CS 213 – Fall 2020)

No Required Textbook

Topics

- Object-Oriented Programming and Design
  - Classes, objects, members, encapsulation
  - Inheritance, interfaces, abstract classes, polymorphism
- Unified Modeling Language (UML) to represent OOD
- Graphical User Interfaces (GUI) with Java FX
- Design patterns
- Android Programming
- Multithreading
- Lambdas and Streams

Grading

- Assignments: 60%   (Working in pairs)
- Midterm Exam 20%
- Final Exam: 20%

Videos

Videos will be posted at the start of every week for the material you will learn that week

Problem Sets

A problem set will be posted at the end of every week, for the material covered that week. This will be the basis for "recitations" in the subsequent week. (There aren't any synchronous recitation times, details in the next slide.)

Q&A With Instructors and TAs

Since there is no synchronous virtual lecture, or synchronous virtual recitation, each instructor and TA will have several meeting hours set up every week to discuss the course material and answer any questions you might have.

You can join in the hours of any instructor or TA – does not have to be only your section's TA or your lecture instructor.

We will make sure the hours accommodate students in various timezones, domestic and international.

Q&A With Instructors and TAs

The meeting hours are not lectures (meaning we won't be lecturing on material). Think of them as office hours to which you can go and ask whatever questions you might have on content in videos/practice problems/assignments.

Discussion Forums

There will be a discussion forum in Sakai for each of the major topics in the course. (For example, there will be one on inheritance, one on interfaces, etc.)

The forums will provide a way for you to ask questions and interact with others in the class so you can learn together, and the TAs and myself will monitor the forums so all your questions get answered, correctly