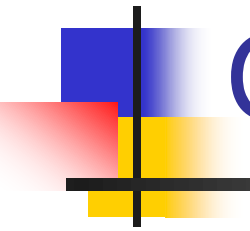
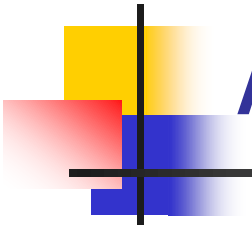


CSE 1142
Computer Programming II

Marmara University
Engineering Faculty
Computer Engineering Dept.
Fall 2020

Dr. Sanem Arslan Yılmaz

About the Instructor



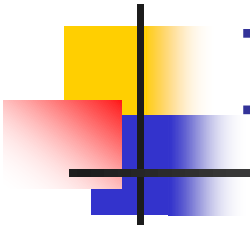
- Dr. Sanem Arslan Yılmaz
  - http://mimoza.marmara.edu.tr/~sanem.arslan/
  - Email: sanem.arslan@marmara.edu.tr
  - Office: MB342
  - Office Hours: Wednesday 16:00 - 18:00 or by appointment

- Teaching Assistants (TAs):
  - Serap Korkmaz (serap.korkmaz@marmara.edu.tr)
  - Ozan Neli (ozan.neli@marmara.edu.tr)

Meeting Times

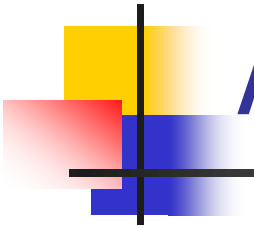
- Lectures: : Monday 15:00 – 17:00
  Wednesday 15:00 – 16:00

- Labs: : Tuesday 16:00 – 18:00 (Section I)
  Friday 16:00 – 18:00 (Section II)



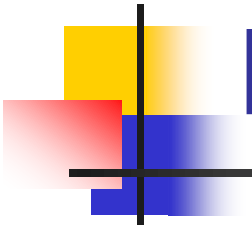
Interaction

- Please do not hesitate to ask me the teaching staff and any related questions.
- You may visit us during "Office Hours", or you can email us and confirm a date for anything.



About this course

- Advanced object-oriented programming concepts in Java programming language.
- The basic concepts of C programming language.
- We assume that you all know the basic object-oriented concepts in Java!
- Pre-requisite of **CSE2025** which is also a prerequisite of several other important department courses.



Lab Hours

- These hours are dedicated to practical programming exercises.
- Lab assistants will guide you with solving some programming problems, which give you both practical understanding of programming issues and programming practice.
- Same material in every Lab section.

Course Organization

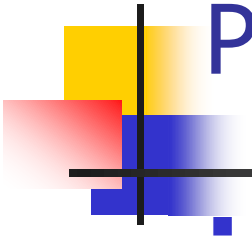
- Course materials, assignments, and submissions will be held through Canvas.
  - Please accept the Canvas course invitation!
  - Students can self-enroll in the course with the following URL: **https://canvas.instructure.com/enroll/TDL8AY**
  - It is **YOUR RESPONSIBILITY** to make sure that your account receives the messages properly. We will send the announcements through Canvas and assume you read it the same day.
- There are approximately **182** students in this course and we do not have any additional means to contact you if your e-mail address is not working

Course Organization (cont.)

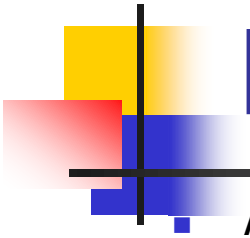
- **Textbooks:**
  - Introduction to JAVA Programming Comprehensive Version 10th Edition, by Daniel J. Liang, Pearson.
  - C How to Program 8th Edition, by Deitel & Deitel, Pearson.
  - Problem Solving and Program Design in C 8th Edition, by J.R. Hanly & E.B. Koffman, Pearson.

- **Grading (tentative):**
  - Programming Assignments 15%
  - Quizzes (both lecture and LAB quizzes) 15%
  - Project 10%
  - Midterm 20%
  - Final Exam 40%

Programming Assignments / Projects

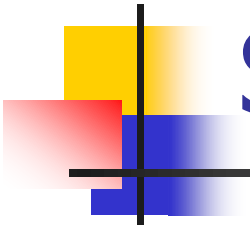


- There will be tentatively **5** programming assignments done individually and submitted electronically from the Canvas.
- There will be a term project done by groups of 2 people.
- Discuss an assignment and the general approach to a problem with your instructor, TA, or your classmates. However, the final submitted work has to be totally yours.
- **All types of plagiarism will cause to take FF grade from the course!**
- No late submission will be accepted.



Lab Policy

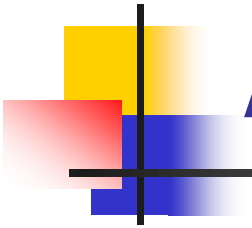
- Attend the section you are enrolled in; attending another section is not allowed.
- Attendance to the lectures and lab sessions will be recorded and you have to attend minimum of **70%** of courses and lab sessions, respectively.
- For every lab, you will be given a set of different programming examples about the related chapter.
- You will be given a short quiz (e.g. ~40 minutes) during some of the (randomly selected) lab sessions. The lab quizzes may start from a random lab session.
- Those who **repeat** that course are also responsible from the lab quizzes. Otherwise, their grades are assumed as **zero** for the corresponding lab quiz.



Software Systems

- Labs will use Eclipse for Java and Dev-C++ for C as development environments.

- Install on your own computer



Advices: work, work, work

Usually, computer-programming courses require a little **more work** than other classes. Most of you already know this unpleasant fact of life from CSE 1141 ☺

The main components of your work will be:

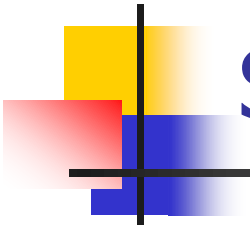
- Reading the textbooks & course slides,
- Completing the homework assignments,
- Working on programming project,
- Preparing for the quizzes, midterm and the final.

Please be forewarned that you may be working on **two** assignments at the same time – a homework assignment and a programming project.

Lecture Schedule (tentative)

Date	Subject
12-14 October	Course Introduction, Chapter 11 – Review
19-21 October	Chapter 12 – Exception Handling and Text I/O
26-28 October	Chapter 13 – Abstract Classes
2-4 November	Chapter 13 – Interfaces
9-11 November	Chapter 14 – JavaFX Basics Chapter 15 – Event-Driven Programming
16-18 November	Chapter 15 – Event-Driven Programming Chapter 16 – JavaFX UI Controls and Multimedia
23-25 November	Introduction to C
30 Nov. - 6 Dec.	*Midterm Exam Week*
7-9 December	Control Structures and Functions in C
14-16 December	Text I/O in C
21-23 December	Arrays and Strings in C
28-30 December	Pointers
4-6 January	Structures
11-13 January	Introduction to Data Structures (Linked Lists)
18-20 January	Introduction to Data Structures (Queues, Stacks)

Questions..



Some Review Questions about OOP

- What is the relationship between an ***object*** and a ***class*** ?
- What is a ***constructor*** ?
- What is the difference between ***instance*** variable/method and ***static*** variable/method?
- What is ***public*** keyword?
- What is ***private*** keyword?
- What is ***protected*** keyword?
- What is ***this*** keyword?
- What is ***super*** keyword?