Summer Online CSCI 1156 - Computer Programming II - Syllabus

Course Information

Textbook: Malik, D. S., Java Programming : From Problem Analysis to Program Design, fifth edition
Zoom Q&A Sections: twice a week, meeting time TBA, meeting link posted on Moodle
Software: jGRASP, Discord, Zoom (all free)

Instructor

Jia Wan
Email: jwan@randolphcollege.edu
Associate Professor of Mathematics and Computer Science
Virtual Office Hours: Zoom Meeting
Office Hours: TBA or by appointment

Goals of the Course

This course serves as an advanced introduction to the field of computer science. By studying this course, you will

- apply the basic concepts and techniques from computer programming I
- be literate about concepts and techniques of computer programming
- understand abstract data type such as array
- write and implement classes handling exceptions and events
- become more familiar with advanced GUI components
- understand and implement elementary algorithms such as search and sort.

Tentative Schedule

Week of	Material
Week 1	User-Defined Classes and ADTs
Week 2	Arrays, Test 1
Week 3	Inheritance and Polymorphism
Week 4	Handling Exceptions and Events, Advanced GUIs, Recursion, Test 2
Week 5	Searching and Sorting, Bonus Project Presentations, Final Exam

Zoom Q&A Meetings (optional)
The group meetings twice a week (about one hour each time) are for practice purpose and it is also my chance to answer your questions regarding course material, homework problems and exam preparation. These meetings will be recorded and posted for students who miss them.

Homework

Homework sets are posted on Moodle for each week. Each HW consists of two parts: a basic fact quiz and a project (1-3 programs).

- The quiz consists support multiple times submission. You are welcome to correct your answers with new tries as many times as you want before the deadline of each quiz.
- The programming problems should be typed as a Word document with java files for programming problems and submitted on Moodle (as in .pdf and .java). A standard template of the HW file with specific requirements can be found on Moodle. No late homework is accepted or excused. Homework assignments worth 100 points in total. You may collaborate on the programming problems but copying each other's solution is prohibited.

Tutoring

Tutoring is available for this class via Randolph Portal. Please contact the tutor in advance to schedule a meeting. Group discussion meetings with or without a tutor are also strongly encouraged. Posting on the course's Discord channel is also welcome and convenient according to previous students.

Exams

There will be two tests and a cumulative final exam, each worth 100 points. Each will be distributed on Moodle and required to be submitted on Moodle in the .pdf format. An instruction of how to convert a handwritten work to a pdf file can be found on Moodle. Please note that students won't be given access to computers for any aid other than downloading and submitting the tests.

Grading
Grades will be determined by your percentage out of the total possible 400 points with the standard:

$93-100$	A	$73-76$	C
$90-92$	A-	$70-72$	C-
$87-89$	B+	$67-69$	D+
$83-86$	B	$63-66$	D
$80-82$	B-	$60-62$	D-
$77-79$	C+	below 60	F

Key to Success

- Set up a study plan and stay solid with it. Summer class moves fast and students who are behind with some material usually find them challenged to catch up.
- We will have a Discord channel which allows all students to share their products, questions and answers anytime. Tutors and the instructor will be available for the Discord chat too. In addition, self-scheduled tutoring is available via Randolph College portal.
- Solutions to homework problems and tests will be posted online once they are submitted. Use these wisely.
- Our class goes relatively fast over some details, reading the textbooks in advance will prepare you better. All the lecture PPT slides and example source code will be posted on Moodle in advance.
- Unlike some students may assume, the programming classes are not just about coding practice. It is very important to understand the conceptual material. They provide fundamentals of the science of computer, which also contributes to your programming skills.
- Collaboration on ideas of programming problems is allowed; pair-programing is encouraged; but brutal-copied solution is a violation of honor-code.

Important Information for Summer Courses

Payment and Refunds

Payment MUST be received *before* the first class meeting of each summer term or your course(s) will be removed from your records. Tuition for summer courses is $450 per semester hour. Lecture courses are typically 3 semester hours and lab courses are typically one semester hour. Additional, non-refundable lab fees may apply.

Refunds are based on the following schedule:

- 100% if dropped prior to the first day of class
- 90% if dropped during the first week of class
- 50% if dropped during the second week of class
- There is no refund for courses dropped after the second week of class

Dropping or Withdrawing from a Course

Courses dropped within the first 3 days of classes will not appear on your Randolph College transcript; withdrawals between the fourth and seventh days will be noted on the transcript with a grade of "W." After the seventh day, you may no longer withdraw from the course except for documented medical or extenuating circumstances.

To drop/withdraw from a course:

- Email the instructor directly, requesting to be removed from the course.
- The instructor will forward your email to the Registrar's Office.
- The date of your email will be used to determine the drop/withdrawal and refund status.