

CS1150 Principles of Computer Science

Fall 2019, Credit Hrs: 3, CS Dept/College of EAS

Instructor: Dr. Yanyan Zhuang
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Time: M/W 12:15pm-1:30pm
Classroom: ENGR 138
Office Hrs: M/W 11:15am-12:00pm
(or by appointment)

Course Description

CS 1150 introduces you all to the programming with emphasis on computer science concepts, particularly on the concepts of abstraction in problem solving. You will learn to develop computer programs for problem solving, develop proficiency for programming in a modern programming language (Java), understand the basic principles of object-orientation as well as selected advanced concepts in OO and Java. Topics include:

- Primitive data types
- Selection statements
- Loops
- Methods
- Arrays
- Strings and text
- Objects and classes
- Abstract classes and interfaces

I will choose topics from the relevant chapters of the textbook (see below). There may be sections in text chapters which I may not cover in class, but you will have to study on your own.

Text Book

The material presented in this course will be complemented by the following required textbook:

Y. Daniel Liang, *Introduction to Java Programming*, either 10th or 11th edition can be used.

Attendance

Computer Science Department policy regarding attendance says: “Students in 1000 and 2000 level CS courses can have at most four absences, after which they would lose at least one letter grade.”

As a result, attendance is taken for this class. If you miss more than 4 classes, your grade is automatically reduced by a letter grade. If you cannot attend class for a valid reason, please let me know as soon as possible (email is the best way). Documentation may be required, e.g., a doctor’s note, for you to be excused. Activities such as surfing the net, playing games, and being on social networking sites (the list is not exhaustive) are not allowed in class and may result in being marked absent for the day.

Exams

Both the midterm and final are open-book and open-notes exams. The exam schedule is as follows:

- Midterm exam: in class, TBD (mid to late October)
- Final exam: in class, 10:20am – 12:20pm, Wednesday, December 18, 2019

Note: **NO MAKE-UP EXAMS**. Please make arrangements for the exams. You may find the final exam schedules at this URL: <https://bit.ly/2KL9VIA>

Grading

There will be 6(± 1) assignments. Assignments will involve programming with Java. The assignments will count for 54% of the final grade. All of you should try to do well on the assignments. There will be one midterm exam, which will count 16% toward the final grade. The final exam will count 22%. 8% of the grade will be given on attendance.

Distribution of Points

- In-class discussion and attendance: 8%
- Homework assignments: 54%
- Midterm exam: 16%
- Final exam: 22%

Grading Scale

- A: [90, 100], A-: [87, 89]
- B+: [84, 86], B: [80, 83]
- C+: [75, 79], C: [70, 74]
- D+: [65, 69], D: [60, 64]
- F: below 60

TA Schedule

Abdullah Abu Mouzah (aabumouz@uccs.edu)

- Tuesday: 9:30AM - 11:00AM ENG 187
- Wednesday: 9:30AM - 11:00AM Library study room 213
- Friday: 9:30AM - 11:00 AM ENG 138

Course Policy

- **Late submission policy:** Late submission of homework will have the following penalty (days late / points off).
 - 1-3 days / -5
 - 4-7 days / -15
 - 8-14 days / -25

- 15-21 days / -40
- 21+ days / -100

- **Test accommodation:** If you have a disability for which you are requesting an accommodation, you are encouraged to contact the Disability Services Office within the first week of classes. The Disability Services Office is located in Main Hall #105 (Phone number: 255-3354).
- Under extreme non-academic circumstances, such as illness, exceptions can be made in above attendance, submission, and exam policies. You have to provide sufficient and convincing proof, e.g., documents from the doctors.
- **Honesty:** Students must follow the collaboration guidelines for the projects. All assignments and tests are individual. Students must behave ethically at all times. **Academic dishonesty will be severely punished, and will extend beyond failing the class**, as determined by university policy. For more details, see the Code of Conduct:
<https://www.uccs.edu/dos/student-conduct.html>
- **Dropping course:** You can drop a class without any tuition penalty and without any signatures from the instructor by **9/12/2019**. Calendar: <https://www.uccs.edu/academics/calendar>.