

CPS 261: Advanced Java

Instructor: Li Zhe

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Class Time: Online

Prerequisites

- CPS 161 minimum grade "B-" or equivalent knowledge.

Textbook

- Suggested: Introduction to Java Programming and Data Structures by Y Daniel Liang
buying the older versions should be cheaper (check out amazon.com).

Other Requirements

- Notebook(s)
- Java SE 11 or above
- Eclipse or IntelliJ IDE(or any compiler)
- Internet connectivity
- A flash drive or cloud storage access.

Course Content

This course is designed to provide advanced concepts in Java programming language. The following topic list does not necessarily represent the order in which material will be covered in the course.

- Exception handling
- I/O Processing
- Graphical User Interfaces
- Multithreading
- Aggregation Operation
- Lambda Expressions
- Data Structures
- Unit Testing

Grading

- Grades are posted in Blackboard under **My Grades**.
- Grading is typically completed within a week of the assignment due date.

Grades will be assigned using the following numeric scale:

Graded Items	Points Total
Participation	100
Machine Problems	350
Final Project and Presentation	250
Community Work	50
Mid-Term and Final Exam	250
Totals Points	1000

Scale	Grade
920 – 1000	A
900 – 919	A-
880 – 899	B+
820 – 879	B
800 – 819	B-
780 – 799	C+

Scale	Grade
720 – 779	C
700 – 719	C-
680 – 699	D+
620 – 679	D
600 – 619	D-
Less than 600	F

Class participation and community work

You can receive 100 points for participation and 50 points for community work. Please check the Blackboard->Discussion Board and Syllabus->Participation points.pdf for detail.

Machine Problems (MP)

You can receive a total 350 points for completing the coding machine problems. The points for individual problems vary based on complexity. Follow the schedule carefully for specific due dates. To be successful, begin each set early. Do not wait until the last minute. Each MP points are equal.

Final Project

You will be completing a final project at the end of the semester which is required to pass the course. Detailed information can be found under “Assignments”->”Final Project”.

Quizzes and Exams

Each module includes a self-assessed quiz. The quizzes are for you to test your knowledge on the subject taught in the module and will not be counted towards your grade. However midterm and final exams will use the same question pool. It's a good idea to use the quizzes as the

study guide for the exams. You will have 2.5 hours to complete midterm and final. Both exams are open notes, open book.

Late Assignments

- No late assignment will be accepted.

You should expect to make several revisions/runs of a program assignment over several days before it is working to our satisfaction. Do not wait to the last day to start designing your machine problems!

Communication

- Email is the preferred way of communication.
- Please send emails from **your WCC account** to be in compliance with federal privacy regulations.
- Provide a clear subject line.
- Always include your first and last name in the email message, along with the class you are taking.

Expectations and Availability of Instructor

I will usually respond to email within 24 hours Monday-Friday and 48 hours on the weekends and Holidays.

Group Study and Tutoring

The Learning Commons is a place where students can receive academic tutoring, improve technology literacy, develop study skills, and access computers and software to excel in their coursework. Check out the schedule on this site:

<http://www.wccnet.edu/resources/learningcommons/> early in the semester so that you know what help you can get when the assignments become more difficult.

Accommodations

If you have a documented disability, contact Learning Support Services at 734-973-3342 as soon as possible to discuss accommodations. Learning Support Services is in room LA 104.