

CSE 459.23: Programming in Java

Instructor	Tianfang Xu
Class Time	Thursday, 8:30am-9:18am (DL 266)
Office Hours	Thursday, 10:00am-11:00am (Dreese 580), or by appointment
Email	xut@cse.ohio-state.edu
Phone Number	292-6350
Course Webpage	www.cse.ohio-state.edu/~xut/459.23
Text	<i>Textbook:</i> <ul style="list-style-type: none">- The Java programming language, K. Arnold, J. Gosling, D. Holmes, 3rd edition <i>Other useful links:</i> <ul style="list-style-type: none">- Java tutorial: http://java.sun.com/docs/books/tutorial- Java Language Specification: http://java.sun.com/docs/books/jls/index.html- Java API documentation: http://java.sun.com/j2se/1.4.2/docs/api

Course Description:

Java language details for students with one year of experience in RESOLVE-C++.

Prerequisite:

CSE 321

Objectives:

- Master using basic Java constructs
- Be familiar with using simple parts of the Java core package
- Be familiar with using interfaces, inheritance
- Be familiar with using Java collections (sets, lists, maps)
- Be exposed to nested classes; garbage collection
- Be exposed to exceptions, Swing, and Java networking facilities
- Be exposed to Java documentation

Coursework:

No quiz and exam! There will be 4 labs, 25 points each.

Grading Policy:

- This course is graded S/U. S stands for “satisfactory” and U stands for “unsatisfactory”.
- In order to get a satisfactory grade in this course, you need to earn **65** out of 100 points.

Tentative Schedule of Lectures

Week	Topic	Readings
1	Overview	Ch. 1
2, 3	Classes and objects	Ch. 2
4,5	Extending classes, interfaces	Ch. 3, 4
6	Collections (sets, lists, maps)	Ch. 16
7	Exceptions, i/o	Ch. 8, 15
8	Swing	http://java.sun.com/docs/books/tutorial/uiswing/
9	Networking	http://java.sun.com/docs/books/tutorial/networking/
10	Documentation, nested classes, garbage collection	Ch. 14, 5, 12

Tentative Schedule of Labs

Lab	Distribution Week
1	3
2	5
3	7
4	9

Lab Submission:

Under Unix prompt, use the submit command to turn in your labs. The format of the submit command is as following:

```
Submit c459.23ac lab_name file_to_submit
```

where “lab_name” is one of lab1, lab2, lab3 and lab4, “file_to_submit” is your list of files to submit.

Note:

1. If there is more than one file to submit, you have to submit all of them using one single submit command. For example, the command “submit c459.23ab lab1 lab1.java lab1_ReadMe.txt” submits two files lab1.java and lab1_ReadMe.txt for lab1.
2. If you submit your lab multiple times, make sure that you resubmit all the files together (if you use two submit commands, then the second one will erase the files from the first submission).

Academic Misconduct

You can discuss the requirements of the lab assignments with other students, but design and coding of the labs must be your own work.