CSc 421 Web-Based Java Programming

Section 401/410 **Fall 2020**

Meeting Time & Place: 6-9 PM W via Zoom – ID: 966 8571 3841

This course is taught in the real-time virtual classroom. See reverse for more info

Instructor: Daniel Spiegel

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Office Hours: All online: 1:30-3 MW, 4:20- 5:50 W, 4:20-4:50 TH, and by appointment

Prerequisites: CSc 237 or 253, or unconditional admission to the CS Graduate program, or permission of the instructor.

Exams: There will be 1 midterm(s) and a final exam during the last week of classes. You must get a passing (60%+) grade on exams, collectively, to pass this course.

Attendance: Optional. You are responsible for material covered in class and the corresponding material in the text. If you do not attend class, the material is assumed to be understood.

Make-ups: You will not be permitted to make up an exam without a documentable excuse for your absence. In all cases, for an absence to be excused, the instructor **must** be informed beforehand, if possible.

Programs: Programming assignments will be issued in class and submitted electronically, using the turnin script. There will be at least four programming assignments. You must earn at least 60% of the possible points on *all* programs, collectively, to pass this course. **No late submissions permitted.**

Your programs are to written in a manner consistent with a senior/graduate CS major. They MUST be fully documented and easily readable. They must also be modular to the greatest extent possible, with each module handling a single task only and your main routine should be little more than a series of invocations. Consistency in style within a program is a must. There will be substantial penalties for poor coding/style practices.

Graduate Students: Graduate students will be expected to perform at a higher level than their undergraduate peers. Accordingly, they will have more extensive projects, and their exams will have additional, or more intricate (or both) questions.

Grading: Grading is on a straight 90 80 70 60 scale. Individual exams may be curved, only if necessary. +/- grading will be used according to the table at right. Weights of grades are:

Programs:55% Forum: 10%
Midterm(s): 15% Final Exam: 20%

Grade	Scale
A-	(90,93)
B+	[87,90)
B-	(80,83)
C+	[77,80)

Academic Dishonesty:

General Statement: I am against it. Violators get the maximum allowable penalty for any infraction.

Programs: Your programs are to be, in the large, your own work. If you use any code that you did not write, omitting credit to the author constitutes academic dishonesty. Using the code of a classmate, or providing your code to a classmate(s) is most definitely academic dishonesty. Feel free to discuss and exchange ideas with your peers, but do your own work.

Classroom Etiquette:

Consideration for your classmates, instructor, and the class is expected. Please come to class on time and prepared to learn. No sleeping or noisy eating. If you can't whisper quietly, please don't carry on private conversations. Coming and going during class should only occur in unavoidable situations. And, last but not least, **your cell phone is to be neither seen nor heard.**

Real-Time Virtual Classroom (RTVC) Info: This course is 100% online. **All sessions will be recorded** and the recordings will be posted after each session. If this presents any issues get with me at once.

Pertinent links, including quick-start access are found here: http://faculty.kutztown.edu/spiegel/RTVC.pdf

Tentative Class Schedule:

The following is a **tentative** class schedule. It is subject (and almost *certain*) to change, particularly since the course depends upon the project chosen for the current term. Note that some topics may extend past one week. You are expected to use the web to find sources for topics. The text is only for foundational aspects of the course.

CSc 421 Tentative Schedule

Meeting #	*Topics*
1	RTVC Intro Intro/Review of Java
2	Packages, Parameter Passing, Project 1, Object Examples
3	Project Discussion, GUI Examples, Ant
4	Project Discussion, User Interfaces, Inheritance
5	Project 2 Starts, Framework: Google Web Toolkit (GWT)
6	Framework: Google Web Toolkit (continued), Examples for Project 2
7	Javadoc, Framework Examples,
8	Midterm, Exceptions: try/catch
9	Multimedia & Animation, Project 3, Tomcat Intro
10	Remote Procedure Call, Basic RPC Example, TCP/IP
11	Servlets
12	Project Discussion, Java Threads
13	TBD
14	Final Exam

Final Exam: TBA