

# CSc 521 Advanced Web-Based Software Design

Section 501

Fall 2023

**Meeting Time & Place:** 6-8:50 PM TH in 158 OM Zoom: <https://kutztown.zoom.us/j/96094399666>

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

**Instructor:** Daniel Spiegel

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WWW: <http://faculty.kutztown.edu/spiegel>

Office Hours: 1:45-3 T TH, subject to change. All deviations will be announced and posted. Meetings outside these times are easily arranged. Email answered 24/7.

**Prerequisites:** Prerequisites: CSC 237 and CSC 243 or some experience with Java or permission of instructor or unconditional admittance to the graduate program..

**Texts:** None. The internet is rife with info.

**Exams:** There will be 1 midterm(s) and a final exam during TBA. You must get a passing (60%+) grade in each of projects and exams to pass this course.

**Attendance:** Optional, but strongly recommended. 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 three programming assignments, likely related. You must earn at least 60% of the possible points on *all* programs, collectively, to pass this course. **Late submissions are generally NOT permitted.**

Your programs are to be written in a manner consistent with a CS & IT graduate student. 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 writing practices.

**Grading:** Grading is on a straight 90 80 70 60 scale. Individual exams may be curved, only if necessary. Weights of grades are:

Forum/Participation: 10%  
Programs: 60%  
Midterm(s): 10%  
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. Cell phones shall not be a distraction..

**Real-Time Virtual Classroom (RTVC) Info:** Pertinent links, including quick-start access are found here: <http://faculty.kutztown.edu/spiegel/RTVC.pdf>

**Note: All lectures are recorded. If this poses any issue for you, contact the instructor.**

### **Tentative Class Schedule:**

The following is a **tentative** class schedule. It is subject to change. Note that some topics may extend past one week. At the end of each chapter are sections that summarize key points and new terminology, along with other sections. You are expected to include the pertinent topics from the end of each chapter in your reading. Tests may contain items from these sections. Questions on these sections are welcomed.

Note that there will be reading of tutorials and other material freely available on the internet.

## **CSc 521 Tentative Schedule**

<i>Week</i>	<i>Topics</i>
1	Intro/Review of basic Java
2	Exceptions: try/catch Threads
3	More Threads; synchronization
4	Networking
5	Networking (con't)
6	JDBC
7	Servlets & Java Server Pages Midterm
8	Servlets & Java Server Pages (con't.)
9	Servlets & Java Server Pages (con't.)
10	Ajax
11	Frameworks - Build with Maven
12	Frameworks - TBD (Spring?)
13	Collections Java Features, UI Design
14	UI Design, Frameworks

Final Exam: TBA