Lecturer:	Mr. Ken Yu
Email:	kyu@cdm.depaul.edu
Online:	D2L (**https://d2l.depaul.edu**)
Required Text:	*Java Servlets and JSP, 3rd Edition*
	Joel Murach and Michael Urban (isbn: 978-1-890774-78-3)
In class	Wednesday 5:45 – 9:00pm (14EAS 802)
Office hours	Wednesday 9:00-9:30pm (after class)
	Monday 8:00-9:00pm (Collaboration link on D2L)

Course Description:

This course focuses on applying object-oriented techniques in the design, development, and integration of server-side enterprise applications using technologies such as servlets, Java Server Pages, and JDBC. Topics include web applications, multi-tier architecture, model-view-controller architecture, database connectivity, and security.

Warning: We will be going over advanced topics. There will be programming and you are expected to have application development background. You are encouraged to experiment with APIs. Not all the APIs will be covered in covered in class. However, the information on how to find such information will be provided.

Prerequites:

CSC212, 224, or 403

Warning: This course is NOT intended as an introduction to programming nor as an introduction to object-oriented programming. Specific knowledge of jdk (javac, javadoc, CLASSPATH) knowledge is assumed.

Learning outcomes:

After taking this course, the students should be able to

- Apply object-oriented techniques in design, development, and integration of server side enterprise application

- Explain the roles of major components in multi-tier architecture

- Describe the major pieces involved in the development of server side based application including but not limited to database and security

- Integrate database to existing the server side components

- Develop server side components such as servlets and JSP

- SE452

    o Construct a real world scenario to apply enterprise application development technique completed in multiple submission

    o Develop enterprise application from beginning to end

- SE352

    o For a given assignment template code along with unit test, the student will need to change complete the missing pieces to make the program execute properly.

Schedule (*** may be updated as needed during the course of the quarter ***)

Schedule	Topic	Reading Covered	Homework
Week 1 09/09	Basic/Overview (CSC212/224 in a day) • Java ramp up	1, 2, 3 Appendix	
Week 2 09/16	JDBC, SQL, and persistence	11, 12, 13	**SE452-MS1**
Week 3 09/23	Servlet and JSP – Session 1 *Server setup and HTML*	4, 5, 6	
Week 4 09/30			SE352-HW1 **SE452-MS2**
Week 5 10/08	**Midterm**		
Week 6 10/15	Servlet and JSP – Session 2, JSTL	8, 9, 10	
Week 7 10/21	Session Management (Web State)	7	SE352-HW2 **SE452-MS3**
Week 8 10/28	MVC	2, 18	SE352-HW3
Week9 11/04	Headers, Listeners, Filters, Security	15, 16, 17, 19, 20	**SE452-MS4**
Week 10 11/11	SE452 project framework presentation	21	
Week 11 11/18	**Finals**		SE452 – Final submission

Grade Policies

The grade break down will be as follows:

20%   **Midterm**

30%   **Final**

10%   **Participation**

- In class
    - Actively participate in weekly discussion, this means more than just show up for class
    - If you miss one of the classes, participate online for the week
- Online
    - Each module's question for threaded discussions is visible and open for posting during the course.
    - Post your thoughts early each week to provide time for others to respond. This will also enable you to respond to their posts. Late posts may not provide enough time for others to dialogue with you.
    - Your posts are graded on:
        - participation in each week's threaded discussion by providing an answer to that module's question;
            - Responding to a minimum of two other student posts with insight; and
            - How well you evidence critical thinking by adding to course knowledge and perspective in your posts.

40%   **Programming assignment (see dropbox for details)**

- **SE352 – Individual assignments**

    The homework is due on the day of the class. I will be going over the assignment during the class so NO late work will be accepted. The assignments and projects MUST be posted to D2L

- **SE452 – Individual project**

		B+	87-89	C+	77-79	D+	67-69
A	93+	B	83-86	C	73-76	D	63-66
A-	90-93	B-	80-82	C-	70-72	D-	60-62

General School Policies

Academic Integrity and Plagiarism: This course will be subject to the academic integrity policy passed by faculty. More information can be found at http://academicintegrity.depaul.edu/.

The university and school policy on plagiarism can be summarized as follows: Students in this course should be aware of the strong sanctions that can be imposed against someone guilty of plagiarism. If proven, a charge of plagiarism could result in an automatic F in the course and possible expulsion. The strongest of sanctions will be imposed on anyone who submits as his/her own work any assignment which has been prepared by someone else. If you have any question or doubts about plagiarism entails or how to properly acknowledge source materials be sure to consult me.

Withdraw: Students who withdraw from the course do so by using the Campus Connection system (http://campusconnect.depaul.edu). Withdrawals processed via this system are effective the day on which they are made. Simply ceasing to attend, or notifying the instructor, or nonpayment of tuition, does not constitute an official withdrawal from class and will results in academic as well as financial penalty.

Retroactive Withdraw: This policy exists to assist students for whom extenuating circumstances prevented them from meeting the withdrawal deadline. During their college career students may be allowed one medical/personal administrative withdrawal and one college office administrative withdrawal, each for one or more courses in a single term. Repeated requests will not be considered. Submitting an appeal for retroactive withdrawal does not guarantee approval.

College office appeals for CDM students must be submitted online via MyCDM. The deadlines for submitting appeals are as follows:

Autumn Quarter: Last day of the last final exam of the subsequent winter quarter

Winter Quarter: Last day of the last final exam of the subsequent spring quarter

Spring Quarter: Last day of the last final exam of the subsequent autumn quarter

Summer Terms: Last day of the last final exam of the subsequent autumn quarter

Excused Absence: In order to petition for an excused absence, students who miss class due to illness or significant personal circumstances should complete the Absence Notification process through the Dean of Students office. The form can be accessed at http://studentaffairs.depaul.edu/dos/forms.html. Students must submit supporting documentation alongside the form. The professor reserves the sole right whether to offer an excused absence and/or academic accommodations for an excused absence.

Incomplete: An incomplete grade is a special, temporary grade that may be assigned by the instructor when unforeseeable circumstances prevent a student from completing course requirements by the end of the term and when otherwise the student had a record of satisfactory progress in the course. CDM policy requires the student to initiate the request for incomplete grade before the end of the term in which the course is taken. Prior to submitting the incomplete request, the student must discuss the circumstances with the instructor. Students may initiate the incomplete request process in MyCDM.

• All incomplete requests must be approved by the instructor of the course and a CDM Associate Dean. Only exceptions cases will receive such approval.

• If approved, students are required to complete all remaining course requirement independently in consultation with the instructor by the deadline indicated on the incomplete request form.

• By default, an incomplete grade will automatically change to a grade of F after two quarters have elapsed (excluding summer) unless another grade is recorded by the instructor.

• An incomplete grade does NOT grant the student permission to attend the same course in a future quarter.

Students with Disabilities: Students who feel they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss their specific needs. All discussions will remain confidential. To ensure that you receive the most appropriate accommodation based on your needs, contact the instructor as early as possible in the quarter (preferably within the first week of class), and make sure that you have contacted the Center for Students with Disabilities (CSD) at:

Student Center, LPC, Suite #370

Phone number: (773)325.1677

Fax: (773)325.3720

TTY: (773)325.7296