CS 412
Programming Distributed Applications
Fall 2016

Instructor: Shahriar “Nick” Rahimi

- Office: Engineering 407E
- Office Hours: MW (8:30-10) AM, (12-1:30) PM or by appointment.
- E-Mail: nick@cs.siu.edu
- Course Web Site: https://online.siu.edu/

Email is the best way to contact me. I usually respond to emails within 24 hours during the week and 48 hours on weekends.

TEXTBOOK AND MATERIALS


COURSE DESCRIPTION

This course uses advanced features of the Java programming language to develop networked, distributed, and web-based applications.

Main Topics:

- Fundamental Concepts of Distributed Systems
- Java Review (Inheritance and Polymorphism)
- Exception Handling
- Multithreading
- Networking
- Sockets
- Remote Method Invocation
- Java Database Connectivity
- Time and Global States
- Servlets
• Java Scripting
• Java Server Pages
• Java Beans
• AJAX

PREREQUISITES

CS 306 with a grade of C or better.

COURSE OBJECTIVES

The main objective of this course is to improve your java programming knowledge specially for implementing distributed applications. This is a hands-on course with mixed lecture/lab sessions.

GRADING AND ASSIGNMENTS

The criteria for each assignment will be posted as will the grading scheme for that assignment. Your grade is based on the total number of points you earn, and you earn points with each assignment (see below). We will have graded activities every week. The due dates will be announced when I post the assignments. Other assignments may be added.

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Percentage of the final grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Labs</td>
<td>35%</td>
</tr>
<tr>
<td>Project</td>
<td>15%</td>
</tr>
<tr>
<td>Two Exams</td>
<td>40%</td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
</tr>
</tbody>
</table>

Lab assignments and Project must be submitted on or before the due date.

Grading is based on 100 possible points with letter grades being assigned as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-100</td>
</tr>
<tr>
<td>B</td>
<td>80-89</td>
</tr>
<tr>
<td>C</td>
<td>70-79</td>
</tr>
<tr>
<td>D</td>
<td>60-69</td>
</tr>
<tr>
<td>F</td>
<td>59 or less</td>
</tr>
</tbody>
</table>
Attendance Policy

I strongly encourage regular attendance in my classes and will take attendance at the beginning of each class. You are responsible for all announcements and for all material presented in the lecture sessions.

SIUC Grade Policies:

Incomplete (INC): An INC is assigned when, for reasons beyond their control, students engaged in passing work are unable to complete all class assignments. Students are required to apply, in writing, to the instructor for an INC. If the application is approved by the faculty member and should the student fail to complete the course within the time period designated by the faculty member, not to exceed one year, or graduation, whichever occurs first, the Incomplete will be converted to a grade of F and the grade will be computed in the student’s grade point average. WF: Failure. A grade of WF may be awarded to students who do not officially withdraw from class, cease attending the class, and fail to complete requirements for the course. When awarding a WF, the faculty member will note the date/time of the student’s last date of attendance/participation.

Course Drops: Students officially drop courses through the program change process. This process is done with the Program Advisor. Unless a student has processed an authorized drop from the course by the published Add/Drop Date, the student will not be allowed to drop the course. It is the student’s responsibility to ensure that the drop process is officially completed. It is probable that a student who does not drop by the Add/Drop Date, but stops attending/participating during the second half of the course, will be awarded a grade of WF.

Academic Dishonesty Policy

Students may be subject to disciplinary proceedings resulting in an academic penalty or disciplinary penalty for academic dishonesty. Academic dishonesty includes, but is not limited to, cheating on a test, plagiarism, or collusion. References to the Student Conduct Code, (e.g. plagiarism policy) available at the following link: http://policies.siu.edu/documents/StudentConductCodeFINALMay32011.pdf

Student Assistance:

1. To obtain academic accommodations for this course, students with disabilities should contact Disability Support Services and the instructor as soon as possible. Disability Support Services is located at Woody Hall B-150, DSSsiu@siu.edu, 453-5738, or visit the website at http://www.siu.edu/~dss/.
2. For help with writing for this class or others, SIU’s Writing Center provides a variety of services. Visit the website at http://www.siu.edu/~write