Fall 2004

CS 208: Computer Programming for Business with Java, I

Robert Rea
Wright State University - Main Campus

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CS 208 - Computer Programming for Business with Java, I

Fall 2004

CS 208 is the first of a two quarter sequence in programming for business students. It is required for Management Information Science majors. The courses are designed to help students achieve an intermediate-level of programming in Java. This course assumes students have never written a program before.

Meeting Time and Place: 10:25 - 11:40, T Th, 495 Millett
Instructor: Robert Rea
Office: 301 Russ Engineering Center
Phone: 775-5103
email: rrea@cs.wright.edu
Office Hours: 10-10:25, 3:35-4:10 T/Th and by appointment

Prerequisite: Familiarity with basic computer concepts.

Text: Java Programming, by D.S. Makik and P.S. Nair, Thompson.

Attendance: Attendance is not mandatory, however I will take attendance for each class and your attendance record will be used to determine your grade if your average is on the borderline between two grades.

Exams: There will be two midterm exams All students are REQUIRED to attend the both exams. Make-up exams are given on a case-by-case basis. If you are unable to attend an exam, provide a good (and possibly documentable) reason before the exam.

Academic Dishonesty: Violators will receive an F for the course and will have their college informed. Official university policy will be followed. You will work alone on your programming assignments. Feel free to exchange ideas with your peers, but do not use some else's work (don't show other people your program and don't look at someone else's program). If you share programs, all students involved will have their grades affected.

Labs: Labs will begin the second week of class. The lab sessions will be structured to introduce the students to the Java development environment, distribute the programming assignments and assist the students with problems they encounter in completing the assignments.

Programming Assignments: There will be six programming assignments. You will generally have to create a Java program. You must earn at least 70% of the possible points on assignments to pass this course (i.e. If you don't get 70% of the possible points in your lab assignments, you fail the entire course). Copy parts of someone else's program. Your assignments will be submitted via WebCT and you MUST submit them on time. Late assignments will be accepted at the discretion of the Lab TA or lecturer who will assess a late penalty.

Email Policy: I will help students with programming assignments via email. Any course administration issues must be handled directly with me. I will keep a written list of course changes that will be updated at the beginning of each week of the quarter.

Grading: In order to pass the course you must achieve a grade of 70 percent on your programming
assignments. If you meet this requirement, your grade is determined as follows:

- Midterms 25% for each
- Quizes/Self Assessments 6%
- Programming assignments 44%

Web Resources: WebCT at wisdom.wright.edu/webct will be the source for students grades, the official course calendar, discussion group for students only, and quiz dissemination and submission facility named assignments. Students will be required to know their CATS ID and password to use the WebCT facility.

There will be two course entities in WebCT for the course. One for my lecture and one for lab. Your lab grades, programming projects and discussion group will be separate from the lecture. You can switch back and forth between quickly and easily.

The CS208 home page which contains additional information, programs and study sheets as well as a WWW copy of this syllabus can be found at:
http://www.cs.wright.edu/people/faculty/rrea/teach.html

Tentative Class Schedule: The following is a tentative class schedule. It is subject to change, based on feedback from the class and other factors.

**Topic**

**Week 1** - Course overview, editing, compiling and execution of programs. A simple program. Output.

**Week 2** - Output, relational operators, math operators and decision making.

**Week 3** - if/else, algorithms, control structures. Pseudocode.

**Week 4** - while statements. Nested control structures, increment and decrement.

**Week 5** - For statement, switch, do-while

**Week 6** - Break/continue, logical operators, equality and assignment and Methods.

**Week 7** - Methods and method overloading

**Week 8** - Strings and Object classes.

**Week 9** - Object classes.

**Week 10** - Review and second midterm.

Any student who receives a grade of X will have 4 weeks from the date grades are posted to turn in missing work for a grade change. Requirements for granting an incomplete are: the student must have completed at least 50% of the course with a passing grade.

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CS 209 - Computer Programming for Business II  
Fall 2004

CS 209 is the second of a two quarter sequence in programming for business students. It is required for Management Information Science majors. The courses are designed to help students achieve a high degree of facility in intermediate level programming.

Class Time: 8:00 - 9:15 pm MW 150 Russ Center  
Instructor: Dennis Kellermeier  
Office: 160 Russ Engineering Center  
Phone: 429-6203  
E-Mail: dkeller@cs.wright.edu  
Office Hours: 5:00 - 6:00 MW and by appointment

Web Page: http://www.cs.wright.edu/people/faculty/dkeller/cs209

Prerequisite: CS208 or equivalent  
Text: Java Programming: From Problem Analysis to Program Design, Course Technology

Exams: There will be two one-hour midterm exams and a final exam. All students are REQUIRED to attend the final exam. Make-up exams are given on a case-by-case basis. If you are unable to attend an exam, provide a good (and possibly documentable) reason before the exam.

Labs: Programming assignments will be issued during lab sessions which will begin the first week of class. Each assignment will state the due date. You must earn at least 70% of the possible points on lab assignments to pass this course (i.e. if you don't get 70% of the possible points in your lab assignments, you fail the entire course). Programming assignments are to be submitted on the due date. Late assignments will only be accepted for documentable reasons.

Grading: Grading is a straight 90 80 70 60 scale. Individual exams may be curved. The weights of the grades are:
- Midterms 15% each
- Final 20%
- Programming assignments 40%
- Homework 10%

Academic Dishonesty: Violators will receive an F for the course and will have the college informed. Official university policy will be followed. You will work alone on your programming assignments. Feel free to exchange ideas with your peers, but do not use someone else's work (don't show other people your program and don't look at someone else's program.) If you share programs. All students involved will have their grades affected.

Class Attendance: Attendance will be taken each class period. You must attend class. A sign in sheet will be provided and you must sign in. Do not sign in someone else not in the classroom. Three unexcused absences will be a decrease of 10% of the final grade. You must provide a documentable reason for an excused absence.

httn://www.cs.wright.edu/~dkeller/cs209/cs209.htm

9/8/2004
Tentative Class Schedule: The following is a tentative class schedule. It is subject to change, based on feedback from the class and other factors.

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<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
<th>Chapter</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>9/8</td>
<td>User-Defined Classes and ADTs</td>
<td>Chapter 8</td>
</tr>
<tr>
<td>2</td>
<td>9/13</td>
<td>Inheritance and Composition</td>
<td>Chapter 11 pp581 - 602</td>
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<tr>
<td>3</td>
<td>9/20</td>
<td>Interfaces</td>
<td>Chapter 11 pp 614 - 656</td>
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<td>9/27</td>
<td>Interfaces / Midterm 1</td>
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<td>5</td>
<td>10/4</td>
<td>Exception Handling</td>
<td>Chapter 12</td>
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<td>6</td>
<td>10/11</td>
<td>Streams</td>
<td>Chapter 11 pp 602 - 611</td>
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<td>7</td>
<td>10/18</td>
<td>Graphical User Interfaces / Midterm 2</td>
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<td>Chapter 14</td>
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<td>Events</td>
<td>Chapter 12</td>
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<td>11/8</td>
<td>Data Structures</td>
<td>Chapter 13</td>
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<td>10</td>
<td>11/15</td>
<td>final exam. 8:00-10:00</td>
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**Midterms** 9/29 & 10/20
All Students are **REQUIRED** to attend the Final Exam.