Spring 2007

CS 241: Introduction to Computer Science II

Haiyun Bian
Wright State University - Main Campus

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CS 241 Introduction to Computer Science II
Spring 2007 – Lecture Sections 1 & 2
Section 1: T/R 12:20 p.m. – 1:35 p.m., Oelman 303 (Lecture)
Section 2: T/R 6:05 p.m. – 7:20 p.m., Fawcett 204 (Lecture)
   Plus one of the following lab sections:
   Section 5: T 4:00 p.m. – 5:50 p.m. Russ Engineer Cntr 346
   Section 6: T 7:30 p.m. – 9:20 p.m. Russ Engineer Cntr 346
   Section 7: R 2:15 p.m. – 4:05 p.m. Russ Engineer Cntr 346
   Section 8: W 3:00 p.m. – 4:50 p.m. Russ Engineer Cntr 346

Course Description
This course is the second in the three course sequence “Introduction to Computer Science” offered
by the Computer Science department, WSU. Concepts introduced in CS 240 are developed in
greater detail and depth with the Java programming language. Topics include object oriented
programming, basic sorting algorithms, recursion, graphics, development of user interfaces and
exception handling. Student must register for one lecture section and one lab section.

Prerequisite: CS 240

Instructor
Dr. Haiyun Bian
Office: 450 Russ Engineering Center
Phone: 937-775-5096
Office Hour: T: 2:00p.m. – 4.00 p.m., R: 4:00p.m. – 6:00p.m., or by email appointment
Email: haiyun.bian@wright.edu
Web: www.cs.wright.edu/haiyun.bian

Textbook
Starting out with Java™ 5: From Control Structures to Objects, Tony Gaddis, Addison
Web-resource: http://www.aw-bc.com/catalog/academic/product/0,1144,1576761711,00.html

Environment
Netbeans 5.5 and JDK 6.0

Grading
Programming assignments: 30%
Laboratory exercises: 20%
Two Examinations: 25%
Final exam: 25%

The basic scale is: A:90-100, B:80-89, C:70-79, D:60-69, F:0-59
No late projects or laboratory exercises will be accepted. Partial credit is available so always
submit the work you have completed on the assigned due date via WebCT.
Policy

- Attendance: attendance is not mandatory. However, it is your responsibility to seek out what material was covered in the lecture. Most of the exam questions will be taken directly from ideas covered during the lecture, so it greatly helps if you attend.
- No make-up exams or quizzes unless verifiable emergency
- I encourage working with other people on the course concepts, but all your programs must be your own; sharing of program code will result in a grade of “zero” for all those involved; official university policy will be followed in case of academic dishonesty.
- You can reach me a number of ways. Email is the best as I check it several times a day. You may also stop by my office during office hours or by appointment.

Schedule (subject to change)

<table>
<thead>
<tr>
<th>Week</th>
<th>Topics</th>
<th>Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Review &amp; New: classes and objects, Object Oriented Programming</td>
<td>Chapters 6, 9</td>
</tr>
<tr>
<td>2</td>
<td>Review &amp; New: arrays, ArrayList, multi-dimensional array, sorting algorithms</td>
<td>Chapter 8</td>
</tr>
<tr>
<td>3</td>
<td>Recursion</td>
<td>Chapter 15</td>
</tr>
<tr>
<td>4</td>
<td>String and StringBuffer (StringBuilder)</td>
<td>Chapter 10</td>
</tr>
<tr>
<td>5-6</td>
<td>Inheritance and Polymorphism, Abstract classes and Interfaces</td>
<td>Chapters 11</td>
</tr>
<tr>
<td>7</td>
<td>Exception Handling and File I/O</td>
<td>Chapter 12</td>
</tr>
<tr>
<td>8-9</td>
<td>User Interfaces, Event Driven Programming</td>
<td>Chapter 7, 13</td>
</tr>
<tr>
<td>10</td>
<td>Applets and HTML</td>
<td>Chapter 14</td>
</tr>
</tbody>
</table>

**Final Exam for Section 2: June 5th (Tuesday) 1:00p.m. - 3:00p.m.**

**Final Exam for Section 3: June 7th (Thursday) 8:00p.m. - 10:00 p.m.**