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Computer Science & Engineering Syllabi

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Summer 2007

### CS 241: Introduction to Computer Science II

Haiyun Bian

*Wright State University - Main Campus*

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## Summer 2007: CS 241 Introduction to Computer Science II

Lecture: T/R 4:10 p.m. – 5:25 p.m. RC 148; plus one of the following lab sections:

Section 5: R 2:15 p.m. – 4:05 p.m. Russ Engineer Cntr 346

Section 6: R 5:30 p.m. – 7:20 p.m. Russ Engineer Cntr 152A

### 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: 3:00p.m. – 4:00 p.m., or by email appointment

Email: [haiyun.bian@wright.edu](mailto:haiyun.bian@wright.edu)

### Textbook

**Starting out with Java: From Control Structures through Objects**, Tony Gaddis, Addison Wesley, 2007, ISBN-10: 0321479270

### Environment

Netbeans 5.5 and JDK 6.0

### Grading

Programming assignments: 30%

Laboratory exercises: 20%

Two Examinations: 25% (Exam1: in 4<sup>th</sup> or 5<sup>th</sup> week; Exam 2: in 7<sup>th</sup> or 8th week)

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

- 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.
- **Start early on projects and labs! Do not attend the labs empty handed!**
- It is your responsibility to check WebCT regularly for announcements and materials for this course
- No make-up exams unless verifiable emergency
- 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)**

Week	Topics	Reading
1-2	Classes and Objects, Object Oriented Programming	Chapters 6, 9
2-3	Array, ArrayList, multi-dimensional array, sorting algorithms	Chapter 8
4	String and StringBuffer (StringBuilder)	Chapter 10
5-6	Inheritance and Polymorphism, Abstract classes and Interfaces	Chapters 11
6	Exception Handling and File I/O	Chapter 12
7-9	User Interfaces, Event Driven Programming, Graphics, Applet	Chapter 7, 13, 14
9-10	Recursion	Chapter 15
<b>Final Exam: August 16<sup>th</sup> (Thursday) 4:10 p.m. – 5:25 p.m., RC 148</b>		