

Computer Science 170  
Introduction to Computer Science  
Fall 1998 - Dr. Robert E. Bailey  
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TEXT:       *Java<sup>tm</sup> Software Solutions* by Lewis & Loftus

COURSE CONTENT: This course will consist of material related to the concepts of Object-Oriented software development; an introduction to Software Engineering; an in-depth study of java applets and applications; an introduction to HTML ; the uses of Graphical User Interfaces (GUI); an introduction to and the uses of such data structures as arrays, vectors and strings and an introduction to different sorting and searching procedures.

GOALS :       On completion of this course, students who successfully complete this course will know about the software life cycle, begin to understand how to analyze software in terms of the class design of the requirements, explain the difference between a Java application and a Java applet, explain the advantages of encapsulation and the use of Java modifiers to accomplish this, define and arrays for basic data structures, comprehend the basics on the Graphics class and its role in design of Applets, define polymorphism and demonstrate their usefulness in programs.

Grading:       Grades will be determined by student performance on two tests; ten laboratories and a comprehensive final exam:

2	tests @ 150	300	In general,	
10	labs @ 40	400	A, A-	900 - 1000
1	final @ 300	300	B+,B,B-	800 - 899
			C+,C,C-	700 - 799
Total		1000	D+,D,D-	600 - 699
			F	below 599

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**Homework:** The textbook homework problems will not be collected but are to benefit you. The assigned problems will not be collected but will form the basis for class discussions and lecture. You will need to stay current with the assignments.

To do well in this class, the average student will need to study about 2 hours, outside of class for every class meeting or around 6 hours per week. Preparing labs and studying for tests will take additional time.

**Attendance:** You are expected to attend classes since you are responsible for work covered in class. An inordinate amount of absences will be handled in accordance with school policies.

You are expected to take tests at the scheduled times. Any conflicts or problems will be handled on an individual basis. If the excuse is considered legitimate by the instructor, arrangements will be made to take a test prior to the testing time. Labs will be assigned during the lab times on Wednesdays, most due the following Wednesday.

**Office Hours :** 10:00 - 1:00 (Monday, Wednesday, Friday) Seney 105A

**Honor Code : THE HONOR CODE OF OXFORD COLLEGE APPLIES TO ALL WORK SUBMITTED FOR CREDIT POINTS TOWARD YOUR GRADE. ALL SUCH WORK WILL BE PLEDGED TO BE YOURS AND YOURS ALONE. YOU PLEDGE THAT WITH YOUR SIGNATURE.**

#### Topics by class period

Wednesday, August 26 ---	Chapter One
Friday, August 28 --	Chapter Two
Monday, August 31 --	Chapter Two
Wednesday, September 2 --	Chapter Three
Friday, September 4 --	Chapter Three
<b>Monday, September 7</b>	<b>Labor Day</b>
Wednesday, September 9 --	Chapter Four
Friday, September 11 --	Chapter Four
Monday, September 14 --	Chapter Four
Wednesday, September 16 --	Review Assignment of Lab Four

Friday, September 18 --	Chapter Five
Monday, September 21 --	Chapter Five
Wednesday, September 23 --	Chapter Six Lab Four – Due Assignment of Lab Five
Friday, September 25 --	Chapter Six
Monday, September 28 --	Review for Test One -- Chapters One to Six
Wednesday, September 30 --	Review for Test One Lab Five – Due Assignment of Lab Six

**Friday, October 2 --      Test One – Chapter One to Six**

Monday, October 5 --	Chapter Seven
Wednesday, October 7 --	Chapter Seven Lab Six – Due Assignment of Lab Seven
Friday, October 9 --	Chapter Seven

**Monday, October 12                      Mid-semester break**

Wednesday, October 14 --	Chapter Eight Lab Seven – Due Assignment of Lab Eight
Friday, October 16 --	Chapter Eight
Monday, October 19 --	Chapter Nine
Wednesday, October 21 --	Chapter Nine Lab Eight – Due Assignment of Lab Nine
Friday, October 23 --	Review of Chapters 7,8 and 9
Monday, October 26 --	Chapter Ten
Wednesday, October 28 --	Chapter Ten Lab Nine – Due Assignment of Lab Ten
Friday, October 30 --	Chapter Eleven

Monday, November 2 --	Chapter Eleven
Wednesday, November 4 --	Chapter Twelve Lab Ten – Due Assignment of Lab Eleven
Friday, November 6 --	Chapter Twelve
Monday, November 9 --	Chapter Thirteen
Wednesday, November 11 --	Chapter Thirteen Lab Eleven – Due Assignment of Lab Twelve
Friday, November 13 --	Review for Test Two – Chapters Seven to Thirteen
Monday, November 16 --	Review for Test Two
<b>Wednesday, November 18 --</b>	<b>Test Two -- Chapters Seven to Thirteen</b> Lab Twelve – Due Assignment of Lab Thirteen
Friday, November 20 --	Chapter Fourteen
Monday, November 23 --	Chapter Fourteen

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**Wednesday, November 25 - Sunday, November 29 -- Thanksgiving Break**

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Monday, November 30 --	Chapter Fifteen
Wednesday, December 2 --	Chapter Fifteen
Friday, December 4 --	Chapter Sixteen
Monday, December 7 --	Chapter Sixteen
<b>Wednesday, December 9 -</b>	<b>Reading Day</b>
<b>Thursday, December 10</b>	<b>- Final Exam 7:00 PM</b>