



University of
Massachusetts
Lowell

University of Massachusetts Lowell
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CONTINUING STUDIES
AND CORPORATE EDUCATION

Java Programming (90.301-021 – Summer 2001)

Mondays and Wednesdays: Jul 9 to Aug 15 and 2 Fridays: 7/13, 7/27

Instructor: Marjan (“*mar-yan*”) TRUTSCHL
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1. Course description

The JAVA™ programming language is now being used to write distributed Internet applications. Unlike traditional languages, the JAVA™ language was designed to be used on a network. Thus, it contains features needed to build efficient distributed applications that employ Internet resources. Those who intend to design World Wide Web information systems that fully utilize the Internet must have a working knowledge of this vital technology. This course allows students to explore features that set JAVA™ apart from traditional programming languages; obtain an overview of object-oriented design as it applies to JAVA™; learn about the fundamental constructs of the JAVA™ programming language; and write, compile, and include simple JAVA™ Applets within the content of HTML documents.

2. Books

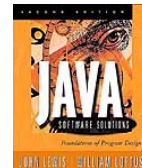
Required textbook

Java Software Solutions: Foundations of Program Design, 2/e

By John Lewis and William Loftus

Published by Addison-Wesley

ISBN 0-201-61271-2



Strongly recommended textbook

Java in a Nutshell, 3/e

By David Flanagan

Published by O'Reilly and Associates

ISBN 1-56592-487-8



Recommended textbook

The JFC Swing Tutorial: A Guide to Constructing GUIs

By Kathy Walrath and Mary Campione

Published by Addison-Wesley

ISBN 0-201-43321-4



3. Exams and grading

Student's grade in this course is based on

- midterm exam 1/3
- final exam 1/3
- assignments 1/3

Students are encouraged to attend all classes and labs, because much of the learning is generated from discussions of how the concepts apply to various situations.

*Students are expected to take all exams. Make-up exams will be offered to students with legitimate excuse the next class meeting – **you must notify me of your absence before the exam takes place.** There will be no exceptions. The make-up exam will not consist of the same material as the original exam. However, it will cover material covered in class.*

4. Assignments

Assignments will include readings from the required textbook and handouts provided by instructor.

Lab work will normally be done during the second half of the class. Assignments will also require out-of-lab work. Feel free to use the lab and/or your home computer to complete the labs. Questions related to lab work will be included in both exams – do your own work. Late submissions will not be allowed – I will give you more than enough time to complete your work.

You can download the latest JDK from <http://java.sun.com/products/>. Also, visit my home page as I intend to provide hyperlinks to related sites and post last minute announcements.

Students familiar with Java are not obligated to attend the class. However, they must take both exams and turn in all the labs – the same as other students.

5. Academic dishonesty

*Unless otherwise stated, all work assigned should be done on your own. Refer to your student manual with regards to academic dishonesty. Dishonesty in any form **will not** be tolerated. You are welcome to use resources available on the Net, but make sure that you provide an appropriate credit/reference.*

6. Getting help

I will make myself available to answer your questions. Please, do not wait till the last minute to complete your labs.

7. Schedule

Class	Date (Day)	Topic
1	7/9 (M)	Objects and Primitive Data (Ch. 2)
2	7/11 (W)	Program Statements (Ch. 3)
3	7/13 (F)	Writing Classes (Ch. 4)
4	7/16 (M)	Enhancing Classes (Ch. 5)
5	7/18 (W)	Arrays and Vectors (Ch. 6)
6	7/23 (M)	Lab
7	7/25 (W)	MIDTERM EXAM (STUDY!)
8	7/27 (F)	Inheritance (Ch. 7)
9	7/30 (M)	Exceptions and I/O Streams (Ch. 8)
10	8/2 (W)	Graphical User Interfaces (Ch. 9)
11	8/6 (M)	Lab
12	8/8 (W)	Recursion (Ch. 11)
13	8/13 (M)	Data Structures (Ch. 12)
14	8/15 (W)	FINAL EXAM (STUDY!)

Note: Refer to your student calendar for additional information (add/drop, withdraw, etc.)
Syllabus is subject to change.

8. Miscellaneous

You may want to check the lab times. There are several labs available at UMass and some of them are open seven days a week. All labs provide fast Internet access.

UMass Lowell provides many library-related services at <http://libvax.uml.edu>. Some of the services UML subscribes to are available from uml.edu domain only. You can apply for a proxy server account at <http://telecomm.uml.edu/>

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8	9 Summer II Classes begin	10	11 Last day to add a lab. Last day for partial refund for day classes.	12 Last Day to Drop/Add day classes	13 M/W Evening Classes meet. Last Day to Drop/Add M/W Evening classes. Last day for partial refund for M/W Evening Classes.	14
15	16	17 Last Day to Drop/Add T/Th Evening classes. Last day for partial refund for T/Th Evening Classes.	18	19	20 T/Th Evening Classes meet	21
22	23	24	25	26 Last day to withdraw for 4- credit day classes	27 M/W Evening Classes meet. Last day to withdraw for CyberEd	28
29	30	31				

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Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 Last day to withdraw for M/W Evening Classes. Last day to withdraw for 3- credit day classes.	2	3 T/Th Evening Classes meet. Last day to withdraw for T/Th Evening Classes.	4
5	6	7	8	9	10	11
12	13	14	15 Final Exam for M/W Evening Classes at 7pm. Final Exam for 3-credit day courses.	16 Final Exam for T/Th Evening Classes at 7pm. Final Exam for 4-credit day courses.	17	18