

IS 147
Spring 2012
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If you spot a problem or error in the below postings, please notify the instructor.

The below schedule is always tentative. It will be adjusted as needed as the course progresses. You will be informed of any change, depending on our progress throughout the semester. TBA means To Be Announced.

It is understood that students will study carefully the coding examples presented in the textbook and posted slides. We will emphasize basic properties of Java in our classroom work, but as developing professionals, you need to get used to studying program listings to develop your skill.

Assignments Log

1/26/2012

1. Orientation to the course
 - a. The first two classes are designed to be intensive learning, practice, and assessment experiences. There is repetition designed into these initial classes, to include repeating questionnaires. Please approach and value the questionnaires as occasions to monitor your own learning progress and understanding of the material. These intensive introductory classes are intended to make subsequent learning of Java easier, and our experience in using these tactics in previous courses repeatedly confirms their value to students in this course.
2. **Pre-tutor questionnaire.**
 - a. The questionnaires presented during the first few class periods are important in giving us feedback about the effectiveness of the instructional tactics. We very much appreciate your sincere and careful completion of these questionnaires. The assessments also inform you about the development of your Java skill and knowledge.
 - b. Complete the questionnaire, and submit it to the instructor.
3. **Java Tutor.**
 - a. **You are welcome to use the tutor before the first class, but you will be required to repeat the online tutor in class for credit.**

Students who are new to Java or to computer programming are advantaged by repeating the tutor several times.

- b. This class will use the **IS 147 Java Tutor**. The link to the online tutor is on the below webpage:

<http://userpages.umbc.edu/~emurian/learnJava/swing/tutor/147/TutorLinks147.html>

- c. The tutor will automatically progress from Stage 1 to Stage 6. Although it is best to complete the tutor on one learning occasion, you may stop at the end of a stage, and come back later to the next stage by selecting a link on the above webpage. It may take 1 hour to complete all stages in the tutor. You may take as much time as you need, and you may repeat the tutor or the individual sections later as often as you want. If you need to, you may complete the tutor after the class has ended.
- d. The multiple-choice questions in the tutor are eligible to appear on the quiz for Chapter 1.
- e. After you complete each stage, let the transition finish so that your work will be documented. After each successful transition, which may take several seconds, you will see a browser window similar to the below image.



- f. **Credit for completing the tutor (50 points) will be awarded only if you finish all stages before the next class.** After you complete each stage of the tutor, a record is automatically produced that documents your completion of the stage. There is no penalty for making mistakes during your use of the tutor, and you may take as

- f. For a brief introduction to the history of Java, see **COURSE DOCUMENTS > MATERIAL POSTED AT SUN MICROSYSTEMS > The History of Java.**

1/31/2012

1. During this class, we will write and discuss MyProgram.java. We will write and run the program on gl.umbc.edu using linux.

2/2/2012

1. Modification of MyProgram.java
2. Another program will be written to illustrate and discuss the basic principles presented in Chapter 1.

2/7/2012

1. Continuation of Chapter 1
2. **Programming Assignment #1**
 - The first programming assignment will be available on Blackboard.
 - Although you may seek help from the department tutors for the assignments in this course, the instructor can not offer help between classes.
 - **It will be due no later than 11:30 PM, 2/13.**
 - Post your output on the Discussion Board. Your source code must be available for inspection. If your source code is not available for my inspection, credit will not be awarded.

2/9/2012

1. This class will be one of several open labs to assist students with the programming assignment. **Attendance is optional.** You may attend this class to get help with the programming assignment.
2. TO DO:
 - a. **Read Chapter 2.**
 - b. **Read the PowerPoint Slides for Chapter 2.**
 - c. **You should study this material carefully to prepare in advance for the quiz.**
3. **Programming assignment #2**
 - a. The second programming assignment will be available on Blackboard at 11:30 PM today.
 - b. **It will be due no later than 11:30 PM, 2/22.**
 - Post your output on the Discussion Board. Your source code must be available for inspection.

2/14/2012

1. Chapter 2
 - Sections 2.1 – 2.4
 - The material in these sections will be covered and discussed during hands-on exercises in class.
2. **Quiz 2 will be available at the end of class today, and it will remain available until 11:30 PM 2/20.** You may repeat the quiz according to the instructions.

2/16/2012

1. Chapter 2, continued
 - Sections 2.5 – 2.6
2. **Programming assignment #2**
 - The second programming assignment will be available on Blackboard.
 - **It will be due no later than 11:30 PM, 2/22.**
 - i. Post your output on the Discussion Board. Your source code must be available for inspection.

2/21/2012

1. This class is an open lab to assist students with the programming assignment. Attendance is optional. You may attend this class to get help with the programming assignment.
2. **Programming assignment #2 is due by 11:30 PM, 2/22.**
 - Post your output on the Discussion Board, and send the instructor an email from your umbc address.
3. TO DO:
 - **Read Chapter 3.**
 - **Read the PowerPoint Slides for Chapter 3.**

2/23/2012

1. Chapter 3
 - Sections 3.1 – 3.3
 - **Quiz 3 will be available today at 1 pm and will remain available until 11:30 PM, 3/3.**

2/28/2012

1. Chapter 3
 - Sections 3.4 – 3.5
 - Programming assignment #3 will be posted.
 - **Programming assignment #3 is due at 11:30 PM, 3/7.**

3/1/2012

1. Chapter 3
 - Sections 3.6 – 3.8

3/6/2012

1. This class is an open lab to assist students with the programming assignment. Attendance is optional. You may attend this class to get help with the programming assignment.
2. **Programming assignment #3 is due by 11:30 PM, 3/7.**
 - Post your output on the Discussion Board, and send the instructor an email from your umbc address.
3. TO DO:
 - **Read Chapter 4.**
 - **Read the PowerPoint Slides for Chapter 4.**
 - **Examine the supplemental material in the Chapter4 folder.**

3/8/2012

1. Chapter 4
 - Introduction to jGRASP
 - The schedule will depend upon the pace of our work, but I expect to spend four class periods on this material. I will introduce exception handling although it is not covered in Chapter 4.
 - **Chapter 4 quiz will be posted until 11:30 pm, 3/26.**
2. Programming assignment #4 will be posted
 - **Due by 11:30 pm, 4/2.**
 - **You should work on the programming assignment as relevant material is covered in class. You should not wait until the open lab to start to work on this assignment. Work on it**

continuously until you have completed it. Seek help as needed from the Java tutors and during the open lab.

3/13/2012

1. Chapter 4, continued.

3/15/2012

1. Chapter 4, continued.

SPRING BREAK

3/27/2012

1. Chapter 4, continued.

3/29/2012

1. This class is an open lab to assist students with the programming assignment. Attendance is optional. You may attend this class to get help with the programming assignment.
2. **Programming assignment #4 is due by 11:30 pm, 4/2.**
 - Post your output on the Discussion Board, and send the instructor an email from your umbc address.
 - You may develop this program with jGRASP or another IDE. However, your source code must be available on the gl server for verification.
3. TO DO:
 - **Read Chapter 5.**
 - **Read the PowerPoint Slides for Chapter 5.**
 - **Examine the supplemental material in the Chapter5 folder.**

4/3/2012

1. Chapter 5
 - It is understood that students will study carefully the coding examples presented in this chapter. We will emphasize basic properties of Java in our classroom work, but as developing professionals, you need to get used to studying program listings to develop your skill.
2. **Chapter 5 quiz will be posted from 1 pm today until 11:59 PM, 4/11.**

4/5/2012

1. Chapter 5, continued.
2. Programming Assignment #5 will be posted.
 - **Due 11:59 PM, 4/15.**

4/10/2012

1. Chapter 5, continued.

4/12/2012

1. This class is an open lab to assist students with the programming assignment. Attendance is optional. You may attend this class to get help with the programming assignment.
2. **Programming assignment #5 is due by 11:59 PM, 4/15.**
 - Post your output on the Discussion Board, and send the instructor an email from your umbc address.
 - You may develop this program with jGRASP or another IDE. However, your source code must be available on gl for verification.
3. TO DO:
 - **Read Chapter 7.**
 - **Read the PowerPoint Slides for Chapter 7.**

4/17/2012

1. Chapter 7
 - There will be no programming assignment for Chapter 7 with the possible exception of an in-class modification of Flight and Admin.
2. Chapter 7 quiz will be available at 1 pm.
 - **The quiz will be available from noon on 4/16 until 11:30 PM on 4/22.**

4/19/2012

1. Chapter 7
 - Continuation of Chapter 7
 - *Tentative* in class or homework assignment based on modifications to the Flight and Admin programs.
 - To complete this assignment, you must have an operational version of Programming Assignment #5.
2. **TO DO:**
 - **Read Chapter 6**
 - **Read PowerPoint slides for Chapter 6.**

4/24/2012+

1. **Plan**
 - a. We will begin to investigate graphical user interfaces using Java Swing. We will study both applets, which run on the web in a browser, and applications, which don't need a browser. The class labs may not cover all of the material in Chapter 6. You should use the textbook as a reference to answer the questions on the quiz.
 - b. We will first cover the techniques represented in the following applets, which run in a browser. The programs have been tested with Firefox and Chrome. They may not run in IE or other browsers. If you have a problem running the link, copy the link and paste it into Firefox.
 - [MyProgram.html](#)
 - [MyJApplet.html](#)
 - c. An attempt will be made to cover at least some of the techniques represented in the following application and applet.
 - [Application](#)
 - [Project.html](#)
2. In the Chapter 6 Course Material, the questions embedded in the **Swing Tutor: Desktop Application** (Part 1 and Part 2) are eligible to appear on the quiz.
 - The explanations of the program in the tutor are available directly in the below link.
 - [Explanations.html](#)

3. Chapter 6 quiz will be available at 1 pm.
 - **The quiz will be available until 11:30 PM, 5/7.**
4. **Project development will be cumulative over the next several class periods. Therefore, class attendance, as always, is mandatory, and you must arrive on time to receive credit. You will be asked to show your interfaces at the end of class for lab credit, which will be 20 points per lab. Students who arrive late will not receive lab credit. That policy will be enforced. Plan your schedules to arrive on time.**

5/10/2012

1. This is the last class of the semester.
 - **Attendance is optional**
2. During this class, students may retake up to **two quizzes with the lowest scores** among the seven quizzes. **These quizzes may only be retaken once, and you may not use a printout of the quiz.** You may, however, use the textbook and other notes.
3. As indicated on Blackboard, final grades will be based upon standard percentages of the total points earned in the course.
 - **Grades are NOT negotiable.** Be advised that the instructor will not discuss grade issues. The instructions on Blackboard make it clear that any error in the gradebook must have been reported within a week of posting. There is no extra credit. Students will be advised to read the information on Blackboard in response to any question about grade policies. **Everything is and has always been there.**