

Information Systems Department
University of Maryland Baltimore County
Baltimore Maryland 21250

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IS 147 (sections 1 and 4) Introduction to Programming
Spring 2012

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Course Delivery Site <http://blackboard.umbc.edu>
Office Hours: ITE 414, see posted schedule for appointments

Meeting Times : Section 1 T/Th 8:30-9:45 am. Room: as per Schedule of Classes
Section 4 T/Th 2:30-3:45 am. Room: as per Schedule of Classes

Textbook : Java Foundations 2 nd Edition , Including MyProgrammingLab
By Lewis, DePasquale & Chase, *Addison Wesley*, 2011

Course Description : “This course introduces basic principles and techniques involved in computer programming and computing. Methods of algorithm development, program development and program design are taught using an object-oriented programming language. Projects are geared toward those typically found in the information systems field.” 3 credits. Prerequisite: IS 101 recommended (from catalog)

This course is an introduction to *both* programming and the principles of computer science. You will learn how to program with principles that are relevant to all programming languages and also learn the basic concepts and vocabulary of computer science. It is a very important course in your education and will require significant weekly work on the readings and the programming projects. It will give you the concepts that will make your future IS courses easier and give you a valuable programming skill that you can use in future courses. This course serves as preparation for IS 247. We will be using the Java programming language.

Instructional Methods : Discussion, Lectures and Demonstrations

Attendance and Participation : Regular and punctual attendance is expected of all students. In the case of absence due to emergency (illness, death in the family, accident), religious holiday, or participation in official College functions, it is the student's responsibility to confer with the instructor about the absence and missed course work.

Class Preparation: All of the reading and homework assignments should be completed before the class in which the material is to be discussed.

Course Requirements: Regular Punctual Attendance, Class Assignments & Homework, Tests , Programming Projects.

Grading: There are 8 Learning Units: Units 1,2,3 & 8 are each worth 10 percent of the final letter grade (40%), Units 4,5,6 and 7 are 15 percent each (60%) for a total of 100 percent. Each Learning Unit will consist of a mix of : reading assignments (10%), in class lab programming (10%), programming homework (10%), an objective test (35%) and a hands-on programming test (35%).

Since each Learning Unit is a preparation for the next, students need to master the material to at least an adequate level (80%) in the current unit in order to have a reasonable chance to succeed in subsequent units. (Blackboard total points are irrelevant as we use a weighted system- your current numerical grade is always available as a running total expressed as a percentage from 0-100%.)

IS instructors are expected to have exams and evaluations which result in a reasonable distribution of grades. With respect to final letter grades, the University's Undergraduate Catalogue states that, "A, indicates superior achievement; B, good performance; C, adequate performance; D, minimal performance; F, failure" There is specifically no mention of any numerical scores associated with these letter grades. Final letter grades in this course conform to the University's officially published definitions of the respective letter grades. In accordance with the published University grading policy, it is important to understand that final letter grades reflect academic achievement and not effort. While mistakes in the arithmetic computation of grades and grade recording errors will always be corrected, it is important to understand that in all other situations final letter grades are not negotiable and challenges to final letter grades are not entertained.

For this course it is anticipated that "A" grades may be in the 90-99% range, "B" grades may be from 80-89% and "C" grades range from 70-79%. All points from each Learning Unit are additive. Each student starts at zero points which is an "F", any other grade must be earned.

There will be no extra credit assignments available.

Due Dates: All assignments are to be handed in by the due date as announced in class. If an assignment is not in on time it might possibly be accepted the following class with an accompanying reduction of 50% of the earned grade. Most late assignments are not accepted at all since you need to have the work completed to be prepared for exams.

Make-up Policy: Exams: No make-up exams except through arrangement with the instructor: and then for reasons deemed valid enough to warrant the making of a new, and potentially harder, test.

Academic Integrity: By enrolling in this course, each student assumes the responsibilities of an active participant in UMBC's scholarly community in which everyone's academic work and behavior are held to the highest standards of honesty. Cheating, fabricating, plagiarism, and helping others to commit these acts are all forms of academic dishonesty and they are wrong. Academic misconduct could result in disciplinary action that may include, but is not limited to, suspension or dismissal. Full policies on academic integrity should be available in the UMBC Student Handbook, Faculty Handbook, or the UMBC Directory.

You may not copy other students' work or copy programs from the Internet. You will receive an F for any assignment found to be copied for the first time and any subsequent violations will result in immediate failure of the course. Also, do not post code in the forums. Always post pseudocode. It is a violation of the course policy to email each other code.

COURSE SCHEDULE
(Schedule subject to change)

Dates -updated in class	Material Covered	Work Due
01/26/12	Intro to Course and Syllabus and Chapter 1 – Introduction	<i>Unit 1-10%</i>
	Chapter 2-Data and Expressions	<i>Unit 2-10%</i>
	Chapter 3-Using Classes and Objects	<i>Unit 3-10%</i>
	Chapter 4-Conditionals and Loops	<i>Unit 4-15%</i>
March 20 and 22	Spring break week	
	Chapter 5-Writing Classes	<i>Unit 5-15%</i>
	Chapter 7-Arrays	<i>Unit 6-15%</i>
	Appendix F and G and Chapter 6 Unit 7 Graphics	<i>Unit 7-15%</i>
05/10/12	Last day of classes	
Self- Serve Done outside of class	Chapters 8 and 9 Inheritance and Polymorphism	<i>Unit 8-10%</i>
Final Exam period	Used at instructor’s discretion	

Inclement Weather: Any work or test due on a class date that has been canceled due to inclement weather will be due the next class meeting. (If the semester’s last exam is postponed, it will be given during the time period assigned during the University’s official Final Exam week.)