

CS 201 Introduction to Object Oriented Programming

Course Syllabus Fall 2004

Course Instructor	Kenneth Sloan Email: sloan@cis.uab.edu Office: CH 132 Phone: 205-934-2213 Office Hours: Monday and Wednesday? 10:30? -? 12:00?
Course Session	Monday, Wednesday, Friday?? 09:05 PM - 09:55 PM???? Room CH 435
Course Homepage	http://www.cis.uab.edu/cs201/sloan/fall2004/
Prerequisite	CS 101 Computing Fundamentals or equivalent and MA 106 Pre-Calculus Trigonometry
Description	Three hours lecture. Two hours laboratory. Introductory problem solving and computer programming using object-oriented techniques. Theoretical and practical aspects of programming and problem solving. Algorithm development; data structures; abstract data types; recursion; numerical and symbolic computation; classes, inheritance, and polymorphism. Laboratory component in context of object-oriented programming language.
Objectives	<ol style="list-style-type: none"> 1.???? To introduce principles and practice of software development using the object oriented programming approach. 2.???? To develop the problem solving skills necessary to develop software solutions to problems. 3.???? To develop knowledge of the data and control structures available in the object oriented programming paradigm and their appropriate uses.
Grading Policy	Tests (3) 30% Quizzes 10% Lab Assignments 30% Lab Exams 15% Class Participation 5% Final Exam 10%
Late Submission	<ol style="list-style-type: none"> 1. All assignments are due at the beginning of class on the due date. Any assignment turned in after this deadline is considered late.? 2. All assignments must be turned in even if they are late.?
Lab Policy	<ol style="list-style-type: none"> 1. The lab is an integral part of the course. 2. The laboratory instructor will provide the laboratory policy and procedures.
Class Conduct	<ol style="list-style-type: none"> 1. Students are expected to conduct themselves in a professional manner. 2. Students must turn their cell phones/pagers OFF during the class.
Academic Honesty	Students who plagiarize a computer program (or parts of a program), get others to write a program (or parts of a program), or are found cheating

on a quiz/exam, will be reported for academic dishonesty. Anyone who is caught cheating will receive a 0 on a given test or assignment. If a second offense occurs, the student will receive an F in the class. This includes both the provider of the information as well as the receiver of the information. Any student who violates the university's academic honesty policy will be reported for academic discipline. All university and department policies related to students are included here by implication.

E-mail

Every student will be required to use his/her official email address that is *blazerid@uab.edu*. New students must login and configure their email addresses. For more details on obtaining *blazerid* and configuring email please see: <http://www.uab.edu/blazerid>. All email communications will be made using this address. Additional instructions or announcements will be sent by e-mail, so check your mail often. Also check the course webpage for up-to-date information and announcements. Instructor will check email frequently, so e-mail is often the best way to contact the instructor. A web forum has been established for discussion and announcements.

Tentative Schedule

Date	Topics	Comments
Aug 25	Introduction	
Aug 20 - 25	Chapter 1 Computer Systems Slides	
Aug 27 - Sep 8	Chapter 2 Objects and Primitive Data Part-1 Part-2	Assign Homework 1
Sep 10	Test 1	
Sep 13 - 27	Chapter 3 Program Structures Slides	Assign Homework 2
Sep 29 - Oct 13	Chapter 4 Writing Classes Slides	Assign Homework 3

Oct 15	Test 2	
Oct 18-29	Chapter 5 Enhancing Classes Slides	
Nov 1- Nov 10	Chapter 6 Arrays Slides	Assign Homework 4
Nov 12	Test 3	
Nov 15-22	Chapter 7 Inheritance Slides	
Nov 29 - Dec 6	Chapter 8 Exceptions and I/O Streams Slides Review for Final Slides	

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Last Updated: August 18, 2004
 by Kenneth Sloan
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