

University of Illinois
College of Business Administration
Department of Information and Decision Sciences

SYLLABUS

IDS 201: Introduction to Business Programming - Fall 2008
Call #: 26964[lecture], 26963[lab]. Prerequisite: IDS 200 and Math 160.

Instructor: Yann T. Chang
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Lecture Time: 12:00pm - 12:50pm, Monday, Wednesday, Friday
Location: Burnham Hall 208
Lab Time: 1:00pm - 1:50pm, Monday. Lab Location: SEL 2058
Office Hours: 3:00pm - 5:30pm; Monday and Wednesday or by appointment

Course Description

This course is designed to study the basic concepts in computer programming such as data types, control structures (sequence, selection, and repetition structures), functions, arrays, pointers, as well as the basic concepts in object-oriented programming such as objects, classes, data abstraction and encapsulation, class inheritance, and polymorphism. A set of UML diagram types is used as a tool for visualizing system structure (characteristics of classes in a system) and system behavior (interactions or relationships among objects in a system as well as the object's workflow during execution). Several examples on how to use these concepts will be provided and discussed in class.

Course Objectives

Upon completion of this course, the students will learn basic concepts in computer programming. Moreover, the students will learn good software engineering principles. These include modularization, data abstraction and encapsulation, stepwise refinement, visual aids using UML diagrams, as well as the choice, design, and implementation of appropriate classes for use in the application programs.

Grading Criteria:

Two Midterm Exams	=	35%
Final Exam	=	30%
Four to six homework assignments	=	35%

Letter grades will be assigned only as final grades. The following cut-off will guarantee the indicated letter grades: 90% A; 80% B; 70% C; 60% D. The actual cut-off will be determined by individual and class performance.

Examinations:

Two midterm exams and one final exam will be given.

Homeworks:

There will be four to six programming assignments. All programs must be written in Visual C++ language. All assignments are to be your own individual work.

Required Text

Title: Visual C++ 2008: How to Program, 2nd edition.
Authors: Deitel, Deitel, and Quirk
Publisher: Pearson Prentice Hall
Year Published: 2008
ISBN-13: 978-0-13-615157-9
ISBN-10: 0-13-615157-4

Tentative Schedule:

The schedule presented below is a tentative one. It is subject to change.

<u>Week</u>	<u>Subject</u>	<u>Reading Assignments__</u>
1	Introduction to Computers, Internet, and Visual C++. Visual C++ 2008 Express	Chapter 1 Chapter 2
2	Introduction to Visual C++ Programming	Chapter 3
3	Introduction to Classes and Objects	Chapter 4
4	Control Statements: Part I	Chapter 5
5	Control Statements: Part II	Chapter 6
6	Functions and Introduction to Recursion Review chapters 1 - 6 for Midterm I	Chapter 7
7	Midterm I on Monday: chapters 1 - 6 Arrays and Vectors	Chapter 8
8	Pointers	Chapter 9
9	Pointers (continued) Review chapters 7 - 9 for Midterm II	
10	Midterm II on Monday: chapters 7 - 9 Classes: A Deeper Look, Part I	Chapter 10
11	Classes: A Deeper Look, Part I (continued)	
12	Classes: A Deeper Look, Part II	Chapter 11
13	Inheritance	Chapter 13
14	Polymorphism	Chapter 14
15	ATM Case Study discussion Review for final exam	Chapter 14 and Appendix F
16	Final Exam: TBA	

Honor Code for the College of Business Administration

As an academic community the College of Business Administration at the University of Illinois at Chicago is committed to providing an environment in which teaching, learning, research, and scholarship can flourish and in which all endeavors are guided by academic and professional integrity. All members of the college community – students, faculty, staff, and administrators – share the responsibility of insuring that high standards of integrity are upheld so that such an environment exists.

In pursuit of these high ideas and standards of academic life, as a student I hereby commit myself to respect and uphold the University of Illinois at Chicago (UIC) College of Business Administration Honor Code during my entire matriculation at UIC. I agree to maintain the highest moral and ethical standards in all academic and business endeavors and to conduct myself honorably as a responsible member of the college academic community. This includes the following:

- Not to seek unfair advantage over other students, including, but not limited to giving or receiving unauthorized aid during completion of academic requirements;
- To represent fact and self truthfully at all times;
- To respect the property and personal rights of all members of the academic community.

An abbreviated version of the Honor Code pledge may be printed on course syllabi, exam booklets, and other uses as deemed appropriate. The abbreviated version is as follows:

This course and its associated coursework are being administered under the policies of the University of Illinois at Chicago (UIC) College of Business Administration Honor Code. All students are expected to respect and uphold this code.

Honor Code Violations and Enforcement

Violations of the Honor Code are just causes for discipline under the University of Illinois at Chicago Student Disciplinary Procedure, and all allegations of Honor Code violations shall be handled pursuant to that Procedure.

(For a complete description of just causes for discipline, disciplinary procedures, and sanctions, see the pamphlet “Student Disciplinary Procedure of the Senate Committee on Student Discipline,” available from the Office of the Dean of Students, SSB, Suite 3030, 1200 W. Harrison St., M/C 318.)

Honor Code Council

The Honor Code Council shall be formed consisting of two faculty members elected by faculty vote and six student members (two graduate students and four undergraduate students) appointed by the Assistant Dean for Student Services through recommendation of the Dean’s Advisory Council (DAC). Each member will serve a term of one academic year, beginning in August. The Council shall elect a chairperson and a secretary.

The duties of the Honor Code Council shall include:

- Recommend changes in the Honor Code.
- Inform all students, staff, and faculty of the Honor Code and the procedures to be followed for pursuing alleged Honor Code violations.
- Ensure that the Honor Code is prominently displayed within the College of Business Administration and on course syllabi and exam booklets.
- Ensure that the Honor Code and related information are accurately described in the Graduate and Undergraduate catalogs.
- Work with the Office of Student Services to include the Honor Code in its promotion of the University of Illinois at Chicago College of Business Administration to potential students.
- Work with college administration to ensure that the Honor Code statement is signed by all students prior to their enrollment in the college.
- Inform all UIC faculty, staff, and students of the Honor Code of the College of Business Administration, and encourage the adoption of its principles.