

CIS 294 Syllabus (Fall 2006)

Visual Basic

1 General Information

- Lecturer – Dr. Brahim Medjahed.
- When – Tuesday, 6:10pm - 8:00pm.
- Where – ELB 175.
- Text Book: Basic 2005 - How To Program -, 3rd edition, Prentice Hall (ISBN: 0131869000).

- Office Hours – Tuesday from 3:00pm to 6:00pm or by appointment. If you need an appointment, please send an email at least 24 hours before the requested time.
- Office – CIS 242.
- E-mail – brahim@umd.umich.edu
- Phone – (313) 583 6449.
- Course URL – <http://www.engin.umd.umich.edu/~brahim/CIS294/CIS294.htm>

2 Current Catalog Description

An introduction to create professional-looking applications using the graphical user interface of Windows. Students learn how to create graphical objects and controls, write event driven code that responds to clicking on buttons, work with multiple forms and executable files.

3 Course Objective

The course discusses the Visual Basic programming language (2-3 lectures), its libraries, syntax, and semantics as well as more advanced topics such as Event Driven Programming with a Graphical User Interface, GUI design techniques and standards, and OOP programming as it relates to Visual Basic. Since VB is a multi-purpose programming language the course will also unique features such as databases, prototyping, and multimedia.

4 Course Policy

- All students must respect the *statement on academic conduct* (please, see Section 9).
- Please read you UMD email regularly for announcements.
- You are expected to return your assignments at the due date, before 6:00pm (by e-mail with a subject: "CIS 294 - Assignment X" where X is the assignment number). Late assignments will be penalized 30% off for each late day.

- If there are mistakes in grading your homework assignment, project, or exam, please contact me within a week after the return of your work. The entire work will be graded again and the new grade will replace the original one, whether the new grade is higher or lower than the original grade.

5 Main Topics

- Introduction to classes and objects
- Control statements
- Methods: a deeper look
- Classes and objects: a deeper look
- Arrays, strings, and characters
- Exception handling
- Graphical user interface
- Graphics and multimedia
- Files and databases
- Multithreading

6 Grading

- Pre-test 5% (Bonus points)
- Programming Assignments: 50%
 1. Assignment 1: 12.5%
 2. Assignment 2: 12.5%
 3. Assignment 3: 12.5%
 4. Assignment 4: 12.5%
- Midterm Exam: 25%
- Final Exam: 25%

7 Important Dates

- Pre-test: first day of class
- Assignment 1
 - Posted: 10/03/2006
 - Due: 10/17/2006
- Assignment 2

- Posted: 10/17/2006
 - Due: 10/31/2006
- Assignment 3
 - Posted: 10/31/2006
 - Due: 11/14/2006
- Assignment 4
 - Posted: 11/14/2006
 - Due: 11/28/2006
- Midterm: Tuesday, October 31st, 2006 from 6:10pm to 8:00pm
- Final Exam: Tuesday, December 12th, 2006 from 6:10pm to 8:00pm

8 Disability Resource Services

Students with Disabilities must register in the Disability Resource Services (DRS) office if they are to receive any special accommodations. The University will make reasonable accommodations for persons with documented disabilities. Students need to register with Disability Resource Services (DRS) every semester they are enrolled for classes. DRS is located in Counseling and Support Services, 2157 UC. To be assured of having services when they are needed, students should register no later than the end of the add/drop deadline of each term.

9 Statement on Academic Conduct

The University of Michigan - Dearborn values academic honesty and integrity. Each student has a responsibility to understand, accept, and comply with the university's standards of academic conduct as set forth by the Code of Academic Conduct, as well as policies established by the schools and colleges. Cheating, collusion, misconduct, fabrication, and plagiarism are considered serious offenses. Violations will not be tolerated and may result in penalties up to and including expulsion from the University.