CS 1408 Introduction to Computer Science with Visual Basic
Section 10573 MW 5:00 -6:45 pm N702

Instructor: Dr. Ongard Sirisaengtaksin
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Office Hours: MTWTh 2:00-3:00 pm and by appointment

Catalog description: (4-4-0) History, nature and uses of the computer-, algorithms-, number systems, information representation; and organization, with an overview of computer hardware and software, computing systems and major applications. Ethical and societal issues are discussed. An introduction to programming using Visual Basic with an emphasis on event-driven programming. Visual Basic environment includes objects, events, code, and properties. Control statements, subprograms, data types, arrays, input-output, and user-interface designs.

Course prerequisites: Credit or enrollment in MATH 1404 or MATH 1505 or MATH 1306; and placement in ENG 1301 or above.

Topic prerequisites: Knowledge and understanding of the use, terminology, and notation of mathematical functions.

Textbook: Introduction to Programming with Visual Basic .NET by Gary J. Bronson and David Rosenthal (Jones and Bartlett) and Visual Studio .NET 2003 (bundle with the text).

Course grade: The course average is determined by two major tests (45%), a comprehensive final exam (30%), 5 to 7 programming projects (15%), and quizzes and laboratory assignments (10%). The course grade is determined by the standard college formula based on the course average: "A" (90-100), "B" (80-89), "C" (70-79), "D" (60-69), or "F" (0-59). Major tests are in-class, and closed book. Test dates will be announced at least one week in advance. There are no makeup tests and quizzes. The student must have a passing average (60+) on both tests and programming projects to pass this course; otherwise he or she should receive at best a "D".

Note: If you have no more six absences for the semester and your final exam score is higher than one of your test scores, your lowest test score will be automatically replaced by final exam score.

Statement on reasonable accommodations: UHD adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with disabilities. Students with disabilities should be notified to register with Disabled Student Services and contact the instructor in a timely manner to arrange for appropriate accommodations.

Last day to drop: Thursday, October 26, 2006

Final exam date: Wednesday December 6, 2006 5:00 – 7:30 pm

Content:

1. Introduction to Computers and Programming
2. Introduction to Visual Basic .NET
3. Data and Operations
4. Controlling Input and Output
5. Selection
6. Repetition
7. Sub and Function Procedures
8. Structured Data
11. Creating Web Applications with Visual Basic .NET