

CSC 239
Advanced Visual BASIC Programming
Fall 2008 Syllabus

Instructor: Natalie Hurst
Contact Phone: 919-458-1879
Email: natalie.hurst@fmr.com
Office Hours: By appointment

COURSE DESCRIPTION:

This course is a continuation of CSC 139 using the Visual BASIC programming language with object-oriented programming principles. Emphasis is on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test debug, and implement objects using the appropriate environment. This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or an elective.

REQUIRED TEXTBOOK AND MATERIALS:

Deitel. Visual Basic .NET 2005: How to Program. 3rd ed Prentice Hall. ISBN0131869000

LECTURES AND LABS:

Each student is required to attend each class session and reading course text, and materials before the class period in which the scheduled topics will be covered. Lab assignments will be on topics given during the lecture and from the text. If lectures and/or labs are missed, it is the student's responsibility to check with a fellow classmate concerning any missed material and obtain the necessary information covered.

ASSIGNMENTS:

All homework assignments are due at the beginning of each class period of the stated due date. Any homework submitted after the stated deadline will have points deducted due to lateness. Late homework assignments will ONLY be accepted within the week of the due date. Please inform the instructor of late submissions. It is the student's responsibility to be aware and know when assignments are due.

EXAM AND QUIZZES:

There will be eight quizzes and three exams during this course. The highest seven out of eight quizzes will be counted towards the overall quiz grade; and all the exams will be counted towards the exam grade. Neither make-up quizzes nor make-up exams will be given. If a student has a valid excuse for missing an exam or a quiz (illness, death of an immediate family member,

etc.), contact the instructor PRIOR to the exam or quiz and bring a note from your physician, clergy, etc. Only then special arrangements will be made.

INSTRUCTIONAL METHODOLOGY:

Instruction includes lectures, class discussions, computer lab work and homework.

ATTENDANCE POLICY:

For quizzes and exams, attendance is mandatory; and no work-related excuses will be accepted. Students should come to class prepared and on time.

PERFORMANCE EVALUATION AND GRADING:

Assignments (22 labs @ 25 pts ea)	55%
Quizzes (highest 7 quizzes out of 8 @ 20 pts ea)	14%
Exams (all 3 exams @ 100 pts ea)	30%
Participation and attendance	1%
TOTAL	100%

Your final letter grade for the course will be assigned on a ten-point scale:

- A = 100 – 90
- B = 89 – 80
- C = 79 – 70
- D = 69 – 60
- F = 59 and below

ATTENDANCE POLICY:

The college has an 85% attendance requirement with no excused absences. Moreover, absences are counted from the first scheduled class meeting, and a student who misses more than 15% (or 10% in Developmental Education courses) of instructional hours may be asked by the instructor to withdraw or may receive a grade of F2. If students are absent, it is their responsibility to seek out their instructor or a classmate to discover what they missed.

Arriving late or leaving class early (resulting in missing more than 20 percent of an instructional session) counts as a full absence. In addition, habitual tardiness may also result in point deductions from the course grade or a grade of F2. Any amendments to this policy are at the full discretion of the instructor.

WITHDRAWAL POLICY:

Students may officially withdraw from the course and receive a grade of W up to the 60 percent point of the semester. To officially withdraw from the course, a student must complete and submit an official withdrawal form to the Admissions and Registration Office prior to the official 60 percent point of the semester.

Students who do not follow these steps to withdraw officially by the 60 percent point will receive a grade based on work done for the course, including zeros for assignments not completed. The

instructor will not fill out drop forms nor assume responsibility for delivering drop forms to the Registration Office. Students must contact the instructor or the instructor's supervisor if an emergency prevents them from following the above steps. A student cannot drop the class merely by ceasing to attend. The student must fill out a withdrawal form at the Admissions and Registration Office and follow the above-mentioned guidelines; otherwise, the student will receive an F2 for the course, rather than a W.

ACADEMIC HONESTY:

Students are expected to uphold the college's [Academic Honesty Policy](#). Students assume full responsibility for the content and integrity of the academic work they submit. The guiding principle of academic integrity shall be that a student's submitted work, examinations, reports, and projects must be that of the student's own work. Students shall be guilty of violating the honor code if they:

- Represent the work of others as their own.
- Use or obtain unauthorized assistance in any academic work.
- Give unauthorized assistance to other students.
- Modify, without instructor approval, paper, record, or report for the purpose of obtaining additional credit.
- Misrepresent the content of submitted work.

The penalty for violating the [Academic Honesty Policy](#) is severe. Please refer to the actual policy so you understand the each step. If a student is unclear about whether a particular situation may constitute an honor code violation, the student should meet with the instructor to discuss the situation.

For this class, it is permissible to assist classmates in general discussions of computing techniques. General advice and interaction are encouraged. Each person, however, must develop his or her own solutions to the assigned projects, assignments, and tasks. In other words, students may not "work together" on graded assignments. Such collaboration constitutes cheating. A student may not use or copy (by any means) another's work (or portions of it) and represent it as his/her own. If you need help on an assignment, contact your instructor

STATEMENT FOR STUDENTS WITH DISABILITIES:

Students who require academic accommodations due to any physical, psychological, or learning disability are encouraged to request assistance from a disability services counselor within the first two weeks of class. Likewise, students who potentially require emergency medical attention due to any chronic health condition are encouraged to disclose this information to a disability services counselor within the first two weeks of class. Counselors can be contacted by calling 686-3652 or by visiting the Student Development Office in the Phail Wynn Jr. Student Services Center, room 1309.

CLASSROOM ATMOSPHERE:

Classrooms are a place for serious academic inquiry and for the practice of college-level thinking. In order to create a positive learning atmosphere for all students, please abide by the following classroom rules.

- **Cell phones/pagers:** Please turn cell phones/pagers off or switch them to silent during class. Receiving or making a call during class will not be excused. You may give the

number of the security office (686-3382) to your emergency contacts, and an officer will come and get you in class if there is an emergency.

- **Side conversations:** Questions are expected and welcome. However, please do not hold side conversations while the instructor or classmates are explaining something. Please ask the instructor first, not a neighbor, if you have any questions.
- **Language/respect:** Vulgar language is not allowed in the classroom. Also, please show tolerance and respect to all members of the class.
- **Dominating the class conversation:** Many subjects in the class will be open to group discussion. If the instructor feels anyone is dominating the conversation, he or she may ask that individual to allow others to voice their opinions so the class can address more perspectives. The best way to understand new concepts is to talk about them from different points of view, and allowing everyone the chance to participate is the best way to accomplish this goal.
- **Attendance:** Once you enter the room, you are expected to remain present for the full class period and not to leave without permission and only under extreme circumstances. It is distracting to the instructor and to your classmates to wander in and out of the classroom.
- **Food or drink:** No food or drink is allowed in the college's classrooms or computer labs.
- **Children:** The college does not permit a student to attend class with a child or to leave a child unattended on campus while attending class.

APPROPRIATE USE OF COMPUTING RESOURCES POLICY:

<http://www.durhamtech.edu/html/prospective/studentervicesc.htm#computing>

Excerpts:

“The College has the right to establish standards for security, privacy and data integrity on its computing systems as it deems appropriate. Furthermore, the College may determine the nature and extent of access to computer resources, may deny individuals access to computer systems and networks, and may determine who may connect a device to the computer system and the specifications for such a device.”

“All software installed or used on Durham Tech computers must be legally licensed for use on the college premises. Do not copy copyrighted software from computers on campus or install software on campus computers that is not legally licensed.”

“Users are expected to abide by all federal and state laws governing computer use. Users may not attempt to evade, disable or “crack” passwords or other security provisions. Also, users may not knowingly install any virus or destructive computer program onto campus computers.”

“Anyone who violates this policy is subject to the College's student code of conducts the employees' due process policy and possible criminal complaint or civil action for damages

CSC 239 Tentative Course Schedule Fall 2008
Room 976 8pm-10pm (Lecture 8:00 - 8:50; Lab 8:55 - 10:00)

Date	Chapter	Topic
Monday, August 18, 2008	9	Classes and Objects: A Deeper Look <ul style="list-style-type: none"> • Review of classes and objects • Class Scope
Wednesday, August 20, 2008	9	Classes and Objects: A Deeper Look <ul style="list-style-type: none"> • Overloaded Constructors • Me Reference • Shared Class Assignment 1 & 2 Due
Monday, August 25, 2008	9, 10	Introduce Inheritance; Assignment 3 Due
Wednesday, August 27, 2008	Quiz 9 10	Quiz on Classes and Objects: A Deeper Look; Inheritance <ul style="list-style-type: none"> • Protected
Monday, September 01, 2008	Labor Day Holiday	No Class
Wednesday, September 03, 2008	10	Inheritance <ul style="list-style-type: none"> • Me and MyClass Assignment 4 & 5 Due
Monday, September 08, 2008	Quiz 10	Inheritance Assignment 6 Due
Wednesday, September 10, 2008	11	Polymorphism <ul style="list-style-type: none"> • Abstract Classes and Methods
Monday, September 15, 2008	11	Polymorphism <ul style="list-style-type: none"> • NotOverridable Methods • NotInheritable Classes Assignment 6 & 7 Due
Wednesday, September 17, 2008	Quiz 11	Polymorphism Assignment 8 Due
Monday, September 22, 2008	12	Exception Handling <ul style="list-style-type: none"> • DivideByZeroExceptions • FormatExceptions
Wednesday, September 24, 2008	12	Exception Handling <ul style="list-style-type: none"> • Classes <ul style="list-style-type: none"> o ApplicationException o SystemException Assignment 9 & 10 Due

Monday, September 29, 2008	Quiz 12	Exception Handling Assignment 11 Due
Wednesday, October 01, 2008	13	GUI Concepts • Windows Forms
Monday, October 06, 2008	14	GUI Concepts • Controls Assignment 12 & 13 Due
Wednesday, October 08, 2008	Quiz 13 & 14	GUI Concepts Assignment 14 & 15 Due
Monday, October 13, 2008	Midterm Exam 1	Chapters 9, 10, 11, 12, 13 and 14
Wednesday, October 15, 2008	Fall Break	No Class
Monday, October 20, 2008	TBD	TBD
Wednesday, October 22, 2008	16	Strings, Characters and Regular Expressions
Monday, October 27, 2008	16	Strings, Characters and Regular Expressions Assignment 16 Due
Wednesday, October 29, 2008	Quiz 16	Strings, Characters and Regular Expressions Assignment 17 Due
Monday, November 03, 2008	18	Files and Streams
Wednesday, November 05, 2008	18	Files and Streams Assignment 18 Due
Monday, November 10, 2008	Quiz 18	Files and Steams Assignment 19 Due
Wednesday, November 12, 2008	19	Extensible Markup Language (XML)
Monday, November 17, 2008	19	Extensible Markup Language (XML) Assignment 20 Due
Wednesday, November 19, 2008	Quiz 19	Extensible Markup Language (XML)
Monday, November 24, 2008	Exam 2	Chapters 16, 18, and 19
Wednesday, November 26, 2008	Thanksgiving Holiday	No Class
Monday, December 01, 2008	20	Database, SQL and ADO.NET

Wednesday, December 03, 2008	20	Database, SQL and ADO.NET Assignment 21 Due
Monday, December 08, 2008	20	Database, SQL and ADO.NET
Wednesday, December 10, 2008	20	Database, SQL and ADO.NET Assignment 22 Due
Monday, December 15, 2008	Make Up Day	No Class
Wednesday, December 17, 2008	Final Exam 3	Chapter 20
*This course schedule is subject to change upon the discretion of the instructor		