

MIS 304 INTRO TO PROBLEM SOLVING AND BUSINESS PROGRAMMING

INSTRUCTOR

Professor: Rick Byars
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Office: CBA 3.406
Office Hrs: M 10:00-11:30,
T,TH 9:30 – 10:30
Contact: email is preferred, or
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CLASS

Classroom: CBA 4.330
Lab Room: MOD Lab in CBA 5.304
Office: CBA 3.406

TA

Name: Kate Humphrey
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Office Hrs: to be announced

COURSE OBJECTIVES

1. Learn to solve business problems using VB.Net.
2. Gain an understanding of the complexity of systems development environments and know when to apply specific programming techniques.

TEXT AND NOTES

1. **Required text:** *Programming in Visual Basic.Net 2008 Edition*, by Bradley and Millsbaugh. ISBN: 9780073517209
2. **Class slides:** available through Blackboard (<http://courses.utexas.edu>, UT EID required)\
3. **Visual Studio 2008** comes with new textbooks, but it can also be downloaded free from www.utexas.edu/its/products/dreamspark
4. **Please note that the graders will grade assignments in the McCombs labs or on their home machines using VS 2008. If you work on a laptop or home computer, you MUST bring your assignment to the McCombs lab and verify that it works properly on the lab machines. Also verify that your zipped homework is the correct version. If you use VS 2010 we won't be able to grade your homework.**

REQUIRED MATERIALS

1. USB or keychain Disk for saving up your files (assignments) in lab.
2. Internet access for the class website (if working from home)
3. Business school email access
4. Win zip program for compression (lab computers have this installed) **NO other compression programs can be used. WINZIP IS THE ONLY file type accepted.**
5. CBA account number when we meet in the computer lab.

COURSE RESOURCES

1. **Blackboard:** <http://courses.utexas.edu>.

Blackboard is used for virtually everything for MIS 304 including: course schedule, syllabus, instructions for the class downloading class notes, submitting homework, as well as out-of-class discussion.

2. **Visual Basic consultants:**

Visual Basic.NET consultants are available in the Millennium lab (5th floor CBA). Their hours are approximately 11:00 AM until 10:00 PM. Their job is to help you with VB.Net problems. They are NOT supposed to write your code for you, but help you debug it.

GRADES

Assignment	Weight	Final Average	Final letter grade
Exam 1	15%	90 -100	A
Exam 2	15%	80 - 89	B
Exam 3	15%	70 - 79	C
Final Project	10%	60 - 69	D
Individual Homework	30%*	< 60	F
Team Homework Projects	15%		
Total	100%		

*Your lowest individual homework grade will be automatically dropped.

INDIVIDUAL AND TEAM HOMEWORK GRADING POLICY

Overview	Homework will be graded on a 100 point scale. You must follow the class form and programming standards on every homework. It is possible to have project that works, but does not make an A, IF you fail to follow instructions carefully. Small details matter on your homeworks. If you do not turn in your homework you will receive a zero. See Program Grading Criteria below.
Turning in work	Turn in your VB.Net homework code into BlackBoard's Assignment Manager. See the class website for instructions. Note that in the past many students have "thought" they turned in their homework, but didn't actually submit, or they turned in the wrong version, or they turned it in, and later decided they wanted to turn in another version. Please be CAREFUL when submitting your homework on blackboard. Any errors in submission will cause you to get a ZERO!
Late	Assignments are due at the start of the class period. After that, no homework will be accepted.
Regrades	If you require a regrade on a homework or test, you must request the regrade within one week after it is returned.
Team Homework	The teams will consist of 2 class members If you fail to keep up with your teammate, you will be removed from the team and will be given a zero for the homework.
Program Grading Criteria	All submitted programs must meet the following requirements: <ol style="list-style-type: none"> 1. Program must work correctly <ol style="list-style-type: none"> a. It should complete all functions described in the individual programs description b. Option Strict must be turned ON c. Student's name must show on the VB form (in a label) 2. Program Header <ol style="list-style-type: none"> a. Programmer(s) b. Assignment Number & Name c. Due Date d. Program Description 3. Comments (Documentation) <ol style="list-style-type: none"> a. Stated in laymen's terms instead of VB.Net b. Variable names should be descriptive c. Applied to blocks of code 4. Programs MUST be named correctly. <ol style="list-style-type: none"> a. The entire folder with your VB project in it MUST be named Lastname_FirstName_HWx, where x represents the homework number. Then when you zip the entire folder, it MUST be named

	<p>Lastname_FirstName_HWx.zip. You will lose 5 points on every assignment that is named incorrectly.</p> <p>5. Follow all applicable software standards posted on the class website</p> <p>6. Make sure your file is zipped correctly (Winzip ONLY!).</p>
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EXAM POLICY

General	All exams are scheduled well in advance. You must take your exam with the class you are registered in unless you receive specific approval from your instructor. No exam grades will be dropped.
Missing Exams	If you miss an exam, you will be given a zero, period! There are no makeup exams.
Illness	If you are ill, or have some other legitimate reasons for missing an exam, you must contact the instructor by e-mail or phone BEFORE the time the exams start. If you contact instructor AFTER the exam, you are considered as missing an exam.

MISC

Classroom Participation	You are expected to participate in the classroom discussion by answering questions, asking questions, raising issues, and making observations.
Collaboration And Dishonesty	Students are encouraged to discuss the assignments with one another and to seek help from the instructors and lab proctors. However, each student must complete his or her own individual homework assignments independently. Copying another person's program (with or without their permission), or collaboration with other students to the extent that the result is in fact multiple submissions of one program rather than independent work is subject to the University dishonest policy. By teaching this course, I have agreed to observe all of the faculty responsibilities described in that document. By enrolling in this class, you have agreed to observe the entire student responsibilities described in that document. You should refer to the Student Judicial Services website at http://deanofstudents.utexas.edu/sjs/ .
Class disruption	Please turn off any device such as Cell Phones, iPhones, Beepers, CD/MP3 players that will cause class disruptions. Your last grade will be reduced by 5 points if your cell phone rings during class.
Disabilities	Students with disabilities may request appropriate academic accommodations from the Division of Diversity and Community Engagement, Services for Students with Disabilities, 471-6259, http://www.utexas.edu/diversity/ddce/ssd/
Privacy regarding to the use of Blackboard	Password-protected class site on Blackboard is available for this course. Syllabi, handouts, assignments and other resources are types of information that may be available within this site. Site activities may include exchanging e-mail, engaging in class discussions and chats, and exchanging files. In addition, class e-mail rosters will be a component of the sites. Students who do not want their names included in these electronic class rosters must restrict their directory information in the Office of the Registrar, Main Building, Room 1. For information on restricting directory information see: http://www.utexas.edu/student/registrar/catalogs/gi03-04/app/appc09.html
Religious Holidays	By UT Austin policy, you must notify your professor of your pending absence at least fourteen days prior to the date of observance of a religious holy day. If you must miss a class, an examination, a work assignment, or a project in order to observe a religious holy day, you will be given an opportunity to complete the missed work within a reasonable time after the absence.

MIS 304 Daily Course Outline – Fall 2010 – Professor Rick Byars


















meet at classroom (CBA 4.330)



meet at MOD Lab West (CBA 5.304)

Date		Topics		Class Assignment Due Dates and Preparation	
Aug 26	Th	Intro to Visual Basic Chapter 1		Read Chapter 1 pages 1 to 31	
Aug 31	Tu	Chapter 1 continued		Read Chapter 1 pages 32 to 60 and Appendix C	
Sep 2	Th	Chapter 2 Designing Your Applications and Coding		Read Chapter 2 pages 67-100 DUE Individual Homework Case Study: Video Bonanza on page 65.	
Sep 7	Tu	Chapter 2 Designing Your Applications and Coding		Read Chapter 2 pages 67-100	
Sep 9	Th	Chapter 3 Variables, Constants, Calculations		Read Chapter 3 pages 109 to 151 DUE Individual Homework Case Study Chapter 2 Video Bonanza page107	
Sep 14	Tu	Chapter 3 Variables, Constants, Calculations		Read Chapter 3 pages 109 to 151	
Sep 16	Th	Chapter 4 Decisions and Conditions		Read Chapter 4 pages 159 to 180. DUE Individual Homework Case Study Video Bonanza Study page 158.	
Sep 21	Tu	Review for Exam 1 Chapter 4 Debugging		Read Chapter 4 pages 181 to 204.	
Sep 23	Th	Exam 1		DUE Individual Homework#4.3 on page 207	
Sep 28	Tu	Chapter 5 Menus, Common Dialog Boxes		Read Chapter 5 pages 213 to 229	
Sep 30	Th	Chapter 5 Menus, Common Dialog Boxes		Read Chapter 5 pages 213 to 229 DUE Individual Homework#4.6 on page 207	
Oct 5	Tu	Chapter 5 Subs and Functions		Read Chapter 5 pages 229 to 246	
Oct 7	Th	Chapter 5 Subs and Functions		Read Chapter 5 pages 229 to 246 DUE Individual Homework #5.3 on page 249	
Oct 12	Tu	Chapter 6 Multiform Projects		Read Chapter 6 pages 253 to 282	
Oct 14	Th	Chapter 6 Multiform Projects		Read Chapter 6 pages 253 to 282 DUE Individual Homework chap 5: Video Bonanza on page 252.	
Oct 19	Tu	Chapter 12 OOP		Read Chapter 12 pages 469 to 490.	
Oct 21	Th	Chapter 12 OOP		Read Chapter 12 pages 469 to 490. DUE Individual Homework Case Study Chap 6 Video Bonanza Page 286.	

 Oct 26	Tu	Exam 2 Review	
 Oct 28	Th	Exam 2	 DUE Team Homework Chapter 12 Video bonanza page 523.
 Nov 2	Tu	Chapter 7 Go over exam, OOP review, Lists, loops	Read Chapter 7 pages 287 to 305. Skip printing.
 Nov 4	Th	Chapter 7 Lists, loops	 DUE Individual Homework Chapter 12. #12.4 page 521
 Nov 9	Tu	Chapter 10 Accessing Database Files	Read Chapter 10 pages 401 to 423.
 Nov 11	Th	Chapter 10 Accessing Database Files	Read Chapter 10 pages 401 to 423, Skip web sections.  DUE Team Homework Chap 7 Video Bonanza page 328
 Nov 16	Tu	Chapter 8 Arrays	Read Chapter 8 pages 329 to 341.
 Nov 18	Th	Chapter 8 Arrays	Read Chapter 8 pages 329 to 341. (skip multi-dimensional arrays)  DUE Team Homework Chap 10 to be handed out (not in book)
 Nov 23	Tu	Exam 3	Note: This is the only Tuesday we will NOT meet in the lab.
Nov 25	Th	<i>No Class - Thanksgiving</i>	
 Nov 30	Tu	Project Review	
 Dec 2	Th	Project Review	 DUE Team Homework Chapter 8 Video Bonanza page 360.
Dec 6	Mo	Project Due by NOON!	 DUE Team Project to be handed out in class