University of North Carolina – Greensboro
Bryan School of Business and Economics
Department of Information Systems and Operations Management
ISM 240 –Business Programming I
Course Syllabus-Spring 2006

Instructor: Mr. Fergle D’Aubeterre // Dr. Gerald Hershey
Course Name: Business Programming I
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Office Hours: M, W 1:00 - 2:00 p.m.
Other times by appointment only

Required Textbook and Materials

An Introduction to Programming Using VISUAL BASIC .NET Schneider, David. 5th Ed. Prentice Hall (same book was used during the Fall 2005 semester).

Flash drive of at least 128MB or ideally a USB 2.0 256MB flash drive or two (2) DS/HD 3.5” high quality floppy disks.

Course Description:

This is an introduction to the use of Visual Basic .Net programming as a tool for solving business-related problems. The main emphasis is problem analysis and structured programming.

Course Objectives:

At the end of this course, you should have the ability to:
♦ Analyze programming problems and utilize programming tools, such as flowcharts and pseudocode to plan the solution to programming problems
♦ Plan and design solutions to programming problems
♦ Translate solutions into programming code
♦ Create and modify Visual Basic .Net programs
♦ Write and debug Visual Basic programs that contain, objects and events, computations, sub procedures, functions, decisions, iteration, and array processing.
Global Perspectives:

Globalization issues, such as foreign exchange rates, may be included in assignments.

Limitations of Course Scope:

This course will not specifically address the issues of demographic diversity, or ethical/polical/social/legal/regulatory/environment perspectives.

Instructional Methodology:

Instruction includes lectures, class discussions, homework and problem solving exercises.

Attendance Policy:

Attendance is strongly encouraged, however no attendance records will be maintained. Regular class attendance is essential to each student. Research has found that there is a close relationship between attendance and grades. Generally, those who miss class very often (more than twice) receive the lowest grades. It is, therefore, highly recommended that you attend each class period that it meets, so that you may receive the highest grade possible. Students should come to class prepared and on time.

Lectures and Labs:

Each student could benefit by attending each class session and reading the course text, and materials, BEFORE the class period in which the scheduled topics will be covered. Class participation in discussions and activities are strongly recommended.

Lab assignments will be on topics covered during lecture and in text. It is the student’s responsibility, if unable to attend lecture, to check with a fellow classmate concerning any missed material and obtain the necessary information covered. For any needed individual assistance, students are encouraged to seek the instructor’s help during scheduled office hours. **It is expected that you commit time to this course.**

No food or drinks are allowed in the labs, due to potential damage to computers and electronic equipment.

Assignments

Assignments are due at the **BEGINNING** of the class period, of the scheduled due date. It is the student’s responsibility to be aware and know when assignments are due and exams scheduled. Assume no make-ups. No late assignments accepted. Early submission of assignments, are accepted. No extra credit assignments given. The instructor will be unavailable for questions concerning the program for the twenty-four hours prior to the program due date in order to discourage procrastination.

NOTE: Problem solving and program’s debugging are time consuming…start every assignment early, so you will have extra time to fix all problems!!!
Exams:

Make-up exams will NOT be given. If you have a valid excuse for missing an exam (illness, death in the immediate family, university sponsored function) contact me BEFORE the exam and bring an appropriate note from your physician, etc. For one, and only one, such excused absence, the final exam grade will be substituted for the value of the missing exam plus the value of the final exam.

Performance Evaluation and Grading:

Your performance will be evaluated based on class participation, 10 quizzes, 7 program assignments, and 4 exams. The following displays the points and relative weights in determining your final grade.

<table>
<thead>
<tr>
<th>Class Participation</th>
<th>50 points (5%)</th>
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</thead>
<tbody>
<tr>
<td>Quizzes (10)</td>
<td>50 points (5%)</td>
</tr>
<tr>
<td>Exam 1</td>
<td>150 points (15%)</td>
</tr>
<tr>
<td>Exam 2</td>
<td>150 points (15%)</td>
</tr>
<tr>
<td>Exam 3</td>
<td>180 points (18%)</td>
</tr>
<tr>
<td>Exam 4</td>
<td>210 points (21%)</td>
</tr>
<tr>
<td>Assignments (7)</td>
<td>210 points (21%)</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>1000 points (100%)</strong></td>
</tr>
</tbody>
</table>

Course grade is based upon percent of points earned, based on the following grade scale:

94-100% = A  
90-93% = A-  
87-89% = B+  
83-86% = B  
80-82% = B-  
77-79% = C+  
73-76% = C  
70-72% = C-  
67-69% = D+  
63-66% = D  
60-62% = D-  
Below 60% = F

Academic Honesty:

University students are expected to conduct themselves in accordance with the highest standards of academic honesty. A student is subject to penalty for academic misconduct, such as illicit possession of exams or exam materials, forgery, or plagiarism. Plagiarism is the presentation of the work of another, as one’s own work. Discussing your assignments with other students can be a valuable learning resource, however, each student is expected to do their own original work. It is the student’s responsibility to prove their work is original, if challenged.

All students are required to follow the provisions of the UNCG Academic Integrity Policy in completing coursework. If you do not know the provisions of the Policy, make time to study it.
Statement of Students’ Rights and Responsibilities:

As a student in my class you have explicit rights and responsibilities. Your full understanding and acceptance of the following rights and responsibilities can lead to more effective learning and more productive use of our time together.

You have the right to expect:

1. Your professor to be prepared for each class, to start class promptly at the designated time and to end class at the designated time.
2. Your professor to teach all scheduled classes or arrange for a qualified substitute if it is necessary to miss class because of illness or University approved commitments.
3. Clear statements of course expectations, policies, testing and grading practices and student performance.
4. Your professor to hold a reasonable number of office hours to discuss assignments or to assist you with course matters.
5. Knowledgeable assistance from your professor regarding class assignments and course content.
6. Professional behaviors reflecting equitable treatment, ethical practices and respect for your rights.
7. Opportunities to challenge ideas and defend your beliefs in a professional manner.
8. To be challenged to grow both academically and professionally.
9. Information regarding career opportunities related to ISM programs.
10. Your professor to abide by University policies.
11. Fairness and clarity in evaluation of your performance.
12. Adequate opportunity to appeal any perceived violations of the above rights.

You have specific responsibilities to:

1. Plan your study and work schedule appropriately to allow sufficient time to do quality class work. (Please review "Suggested Academic Workload Guidelines" for the Bryan School of Business and Economics published in the UNCG Undergraduate Bulletin.) I suggest you devote at least 4-6 hours per week to this class.
2. Arrive at each class on time and prepared to discuss assigned readings and participate in discussions.
3. Complete assignments by due dates and submit quality work.
4. Understand and follow course policies as explained in class and in the syllabus.
5. Commit yourself to grow both academically and professionally.
6. Practice ethical behaviors and display respect for rights of others.
7. Contact your instructor and discuss circumstances which may prevent acceptable performance and to make such contact on a timely basis. Contact me by phone if there is an emergency...do so promptly.
8. Fully understand and abide by the UNCG Academic Integrity Policy and other University policies relating to student conduct.
9. Report observed violations of the UNCG Academic Integrity Policy.
Assignment and Exam Dates

Tenative program due dates:

<table>
<thead>
<tr>
<th>Program</th>
<th>Due Date</th>
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<tbody>
<tr>
<td>Program 1</td>
<td>Jan. 23</td>
</tr>
<tr>
<td>Program 2</td>
<td>Jan. 30</td>
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<tr>
<td>Program 3</td>
<td>Feb. 13</td>
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<tr>
<td>Program 4</td>
<td>Feb. 20</td>
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<tr>
<td>Program 5</td>
<td>Mar. 13</td>
</tr>
<tr>
<td>Program 6</td>
<td>Apr. 03</td>
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<tr>
<td>Program 7</td>
<td>Apr. 17</td>
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</tbody>
</table>

Tentative Scheduled Quiz dates:

<table>
<thead>
<tr>
<th>Quiz 1</th>
<th>Jan. 20</th>
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</thead>
<tbody>
<tr>
<td>Quiz 2</td>
<td>Jan. 27</td>
</tr>
<tr>
<td>Quiz 3</td>
<td>Feb. 03</td>
</tr>
<tr>
<td>Quiz 4</td>
<td>Feb. 17</td>
</tr>
<tr>
<td>Quiz 5</td>
<td>Feb. 24</td>
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<tr>
<td>Quiz 6</td>
<td>Mar. 18</td>
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<tr>
<td>Quiz 7</td>
<td>Mar. 22</td>
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<tr>
<td>Quiz 8</td>
<td>Apr. 07</td>
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<tr>
<td>Quiz 9</td>
<td>Apr. 12</td>
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<tr>
<td>Quiz 10</td>
<td>Apr. 21</td>
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Tentative Scheduled Exam dates:

<table>
<thead>
<tr>
<th>Exam 1</th>
<th>Feb. 06</th>
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<tbody>
<tr>
<td>Exam 2</td>
<td>Feb. 27</td>
</tr>
<tr>
<td>Exam 3</td>
<td>Mar. 27</td>
</tr>
<tr>
<td>Exam 4</td>
<td>May. 10</td>
</tr>
</tbody>
</table>

Special Dates:

Jan. 16   Dr. Martin Luther King holiday – No Class
Mar. 6 - 12 Spring Break Recess
Mar. 15   Last Day to Drop Without Academic Penalty
Apr. 14   Spring Holiday – No Class
May 2     Last Day of Classes

** This syllabus is subject to change upon request of the instructor **
# ISM 240 Tentative Course Outline

<table>
<thead>
<tr>
<th>WEEK OF</th>
<th>CHAPTERS</th>
<th>TOPICS</th>
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</thead>
</table>
| Jan. 09 | 1 & 2    | Overview and Personal Assessment  
Overview of Computers and Logic  
Program Design and Development  
Problem Solving Steps and Approaches |
| Jan. 16 | 2        | Program Design and Development Structure  
Event-Driven Problem Solving Environment |
| Jan. 23 | 3.1      | Program Design and Development  
Hierarchy Charts and Documentation  
Introduction to Visual Basic .Net Objects: Forms and Controls |
| Jan. 30 | 3.2, 3.3 | Visual Basic Events & Numbers |
| Feb. 6  | 3.4 & 3.5| Strings & Input and Output  
6.1 | Do Loops |
| Feb. 13 | 4.1 & 4.2| General Procedures: Sub Procedures  
6.1 | Do Loops |
| Feb. 20 | 4.3 & 4.4| Function Procedures & Modular Design  
5.1 | Decisions |
| Feb. 27 | 5.1      | Decisions: Relational and Logical Operators |
| Mar. 6  |          | **Spring Break** |
| Mar. 13 | 5.1      | Decisions: Relational and Logical Operators  
5.2 | Decisions: IF blocks |
| Mar. 20 | 5.3 & 9  | Select Case Blocks  
Additional Controls and Objects |
| Mar. 27 | 6.2 & 6.3| Processing Lists of Data & For…Next Loops |
| April 3 | 7.1      | Creating and Accessing Arrays |
| April 10| 7.2      | Using Arrays, Control Arrays & Sorting and Searching |
| April 17| 7.3 & 7.4| Creating and Accessing Two-Dimensional Arrays |
| April 24 - May 2 | | Sorting and Searching Two-Dimensional Arrays |

* This tentative outline is subject to change upon request of the instructor *