MIS 7190 – Programming for Business

**Time & Room:** 2:40-4:05 pm, T/TH, FCB 377
**Instructor:** Dr. Thomas Meservy
**Email:** tmeservy@memphis.edu
**Phone:** (901)678-5005
**Office:** 311 Fogelman College of Business and Economics
**Office Hours:** 10:00 am-11:20 am; 1:00 pm-2:30pm, Tuesday and Thursday (or by appointment)

**Course Website:** http://elearn.memphis.edu/

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**Course Description**

Most organizations rely on software to achieve their business objectives. This course focuses on fundamentals of programming for business projects, including Internet-based business applications and object-oriented programming languages.

MIS 7060 (Program Development and File Structures) is a prerequisite for this class. We will directly build on/extend the concepts taught in that course.

Planned topics include:

- A quick review of basic object-oriented programming concepts/techniques
  - Data types
  - Control structures
  - Inheritance
  - Polymorphism
- Windows Forms development
- Database integration
  - SQL & ADO.NET
- Web Application Development
  - Web forms and controls in ASP.NET
- Web Services

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**Course Objectives**

Upon completion of this class, you should be able to:

- Develop basic windows forms and web-based business applications
- Develop and consume web services
- Structure, store and retrieve data using XML, ADO.NET and other data persistence techniques

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**Course Website**

Course materials are available online by logging into elearn.memphis.edu. Course materials include lecture slides, in-class exercises, grades, and related links.

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**Required Textbook**

Visual C# 2005 How to Program, 2nd Edition
Deitel & Associates
Publisher: Prentice Hall
Grading Policy

Class performance will be based on participation, assignments, tests, and a term project. Class performance will be weighted as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percent of final grade</th>
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<tbody>
<tr>
<td>Assignments</td>
<td>20%</td>
</tr>
<tr>
<td>Code Presentation</td>
<td>5%</td>
</tr>
<tr>
<td>Quiz</td>
<td>5%</td>
</tr>
<tr>
<td>Exam 1</td>
<td>15%</td>
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<tr>
<td>Exam 2</td>
<td>15%</td>
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<tr>
<td>Project</td>
<td>30%</td>
</tr>
<tr>
<td>Participation</td>
<td>10%</td>
</tr>
<tr>
<td>Do Some Good / Have Some Fun</td>
<td>2% Extra Credit</td>
</tr>
</tbody>
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Grades will be assigned using the following percentages:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percent</th>
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<tbody>
<tr>
<td>A</td>
<td>90% and above</td>
</tr>
<tr>
<td>B</td>
<td>80% to 89%</td>
</tr>
<tr>
<td>C</td>
<td>70% to 79%</td>
</tr>
<tr>
<td>D</td>
<td>60% to 69%</td>
</tr>
<tr>
<td>E</td>
<td>Below 60%</td>
</tr>
</tbody>
</table>

Assignments

There will be 4 (relatively small) assignments during the semester. Each assignment should take approximately 4-5 hours. Assignments should be turned in by midnight on the night that they are listed on the schedule. Each graded assignment will be given up to 100 points and will be worth 5% of the final grade (20% total).

Assignments are to be done individually. Feel free to discuss general concepts with each other. However, the specifics of the assignment should not be discussed. Assignments allow me to evaluate your understanding of the concepts we discuss.

Assignments are due by midnight on the day that they are due. If an assignment is turned in late, a 25% penalty will be assessed. Assignments will not be accepted more than a week late. It is your responsibility to check to make sure that your assignments were turned in appropriately.

Code Presentation

Every student will have the opportunity to present for 5-10 minutes to the class on a C# topic. It might be an interesting approach to coding, a new control (that we haven’t covered in class), an overview of a new technology (e.g., silverlight), or some other insight. Topics need to be submitted for approval. Presentations will be scheduled throughout the semester.

Demos

I will be posting demos from some of the lectures for our class. These demos will be posted on the course website.
Quiz and Exams

There will be one quiz during the semester covering basic information about C#. This quiz will be in-class and will be a written quiz.

There are two tests during the semester. Test 1 will cover windows forms, exception handling, multi-threading, files and streams, XML, SQL and ADO.NET (everything that we have covered up to that point in the semester). Test 2 will cover ASP.NET, AJAX and Web Services.

Exams will be taken in-class. Due to the nature of the material covered in this class, exams will primarily consist of programming exercises. The exam will be open-book, but not open-neighbor, open-friend, or open-anything else.

Please see the schedule for the dates of the exams. No makeup exams will be given.

Project

A major component of this class is a group project (groups will be 2-3 people in size).

The project will be graded as follows:
- Proposal & Design – 15%
- Presentation – 25%
- Code – 50%
- Documentation – 10%

Participation

Participation will be evaluated using the following (rough) categories:
- Good – (7% - 10% of final grade)
  - Attends class; participates in class discussions; asks meaningful questions
- Fair – (4% – 6% of final grade)
  - Attends class, but rarely participates in class discussions or is distracted during class with other material
- Poor – (below 4% of final grade)
  - Attendance is spotty; mixed participation

You are expected to attend all classes and participate in class discussions/exercises. Class attendance can affect participation points. You are responsible for the material we cover in class. If you do have a legitimate reason for missing class, if possible, please notify me before class. Lecture slides will be posted on the class website, however, you are responsible for acquiring any other notes from classmates. Please note that office hours are not a substitute for class attendance.

Do Some Good / Have Some Fun

Your University experience should be more than just going to class and taking tests. It should help prepare you to give back to society. Thus, the following two extra credit assignments are to help promote well-roundedness in your University experience this semester:

Do Some Good – Do something helpful for someone else that is not part of your routine. Submit 1-2 paragraphs about it on the course website.

Have Some Fun – Take some time during this semester to do something fun that you would really like to do but haven’t set aside time for. It doesn’t need to take a lot of time or cost a lot of money, but should be something that is not part of your routine. Submit 1-2 paragraphs about it on the course website.
Disabilities

Any student who may need class or test accommodations based on the impact of a disability is encouraged to speak with me privately to discuss your specific needs. Students with disabilities should also contact Student Disability Services (SDS) at 110 Wilder Tower, 678-2880. SDS coordinates reasonable accommodations for students with documented disabilities.

Academic Integrity and Student Conduct

I assume that you will display academic integrity in this class. Expectations for academic integrity and student conduct are described in detail on the website of the Office of Student Judicial and Ethical Affairs (http://saweb.memphis.edu/judicialaffairs/). Any violations of these expectations are taken seriously. If you have any question about the code of conduct or what constitutes a violation of it, please contact me.