

BCIS 455. Section 01
Design of Online Business Systems
Class Meets M W 9:05 – 10:20 a.m., GU 303

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|----------------------|---|-----------------|---|
| Instructor: | Dr. Carlo A. Mora M. | Office: | Guthrie 218 |
| Office Hours: | T: 1:30 – 3:00 p.m. W: 10:00 – 11:30 a.m. or by appointment | Phone: | 646-5044 |
| | | Website: | http://salsa.nmsu.edu |

Course Scope

In this course, you will be introduced to the fundamentals of supporting data driven business applications on the Internet using the Microsoft .NET Framework along with other technologies such as XML, LINQ, SQL, ASP.NET, etc. This course follows the programming course series and the systems analysis and design course and extends the principles to solve practical integrative problems.

Prerequisite: A letter grade of "C" or better in BCIS 322 and BCIS 350.

Course Objectives

By the end of the semester, each student should be able to understand and apply:

- The fundamentals of the .NET framework
- Event-driven and OO programming
- Fundamentals of XML and ADO .NET
- ASP .NET and ASP .NET AJAX

Required Material

Text: Visual Basic 2008, How to Program by Deitel & Deitel.

Responsibilities

As your **teacher** I have the following responsibilities:

- Come prepared to every class.
- Plan my class so you can accomplish the objectives listed above.
- Treat you as responsible adults.
- Consider that is not always your fault if you don't understand the material.
- Encourage you to ask and answer questions.

As **students** you have the following responsibilities:

- Come prepared to every class.
- Complete all work on time with proper thought.
- Behave as responsible adults.
- Consider that it is not always my fault if you don't understand the material.
- Treat others with respect.

Point Distribution and Grades

Scores for each category of points will be weighted as shown below. The figures are estimates only, and the total points may well change during the semester.

| | Total Points | Percent of total points |
|------------------------|---------------------|--------------------------------|
| Quizzes | 60 | 9% |
| Software Projects (SP) | 200 | 30% |
| Group Project | 100 | 15% |
| Exams | 300 | 45% |
| Total | 660 | 100% |

Grades will be assigned as follows:

| | |
|-------------------|---|
| 90% through 100% | A |
| 80% through 89.9% | B |
| 70% through 79.9% | C |
| 60% through 69.9% | D |
| Below 60% | F |

Notes:

- A student **will not receive a passing final grade until all assigned work (SPs and Project reports) have been submitted**, even if the late penalty reduces the points possible to zero. All late work must be turned in by 5 p.m. Friday before the last week of classes (that's the last week classes are held, NOT exam week). Why do I require this? The SPs and the Project are critical to help you build a set of skills you'll continue to use throughout this course.
- After all the material is graded, letter grades will be assigned as in the table above. I will do some rounding, but in the following manner: 89.444 is a B, no exceptions, but 89.445 will round to an A.

Chapter Quizzes: There will be a number of quizzes. Their purpose is to reinforce the material discussed in class and/or covered in the textbook. The quizzes will be made available at the beginning of each topic. They will be available for as long as it takes to cover that topic. You can complete the quiz using any computer that has access to the Internet and a browser validated for use with WebCT (visit <http://www.webct.com/tuneup> for more information). Quizzes are open book and open notes, **and must be completed outside class time**.

Software Projects (SP): The key to become a great programmer is to start programming from day one. As such, you will be asked to do a number of programming assignments. These will allow you to apply all the concepts covered in class. These assignments have two objectives:

1. Give you a current indicator of your understanding of the material. Be sure to ask questions and/or get help immediately if you don't understand the homework or its solution, as catching up is very difficult.
2. Give me an indicator of where the class is doing as a whole, and help me keep an adequate pace.

Group Project: A group project will be assigned. You must submit progress reports that will allow me to give you feedback and measure your progress on the project. At the end of the semester, you must present your project to the class. Details of the project requirements will be given later.

Exams: Classroom exams will carry most of the weight of your final grade. **They are open book** and a significant number of the questions will come from in-class lectures and programming assignments. Exams will be on the computer.

General Policies

Attendance

Students **are expected to attend class**. **Attendance is not required but highly recommended**. You cannot expect to have a thorough grasp of the material if you miss class. You are responsible for all material or assignments that are covered in class.

Getting help outside office hours

The Discussion Board on WebCT is an extension of my office hours. You are to post all technical questions here. **I will not answer questions about homework in private e-mails**. Make sure you use relevant subject headings for your postings. A good, descriptive subject heading will help other students learn from the answers to your questions. A subject heading of "Error" is not relevant. An example of a more relevant subject heading is "Help: How do I get the method replace method of the String class to work?"

If you are going to start a new topic, or ask a new question, make sure that you start a new thread. Continuing a previous thread with a new question will only ensure that most people miss your question. Be sure to include enough information in your question. For example, if you are getting a compiler error, make sure you list the compile line you used, the entire error message, and at least 10 source lines that precede the line about which the compiler is complaining. This will give me more information and thus, the more likely you will get a helpful answer. Do not wait until the last minute to post a question. I strongly encourage other students to post answers to questions they see on the Discussion Board.

Missing Quizzes, RATs, and Exams

- No makeup Quizzes or RATs will be allowed.
- Makeup Exams will be given only under extraordinary circumstances and the student **must** submit a **legitimate excuse**. Examples of legitimate excuses:

If it is ...

Due to illness:
Due to business:
Death in family:
Other

You have to bring a...

note from doctor
note from supervisor
note from family member and obituary
on a case-by-case basis

Read carefully: I must be informed prior the exam to count as a legitimate excuse. **If you cannot reach me, leave a message at the department's office (646-4901) indicating time and date.** Notifying me by email will not be sufficient. Notifying me after the exam will result in a grade of zero for that exam. Your excuse must be submitted to me and it must contain a telephone number so that your absence can be verified. **Failure to follow the guidelines will mean that you forfeit the excused absence option.**

If a student misses an exam **without a legitimate excuse**, s(he) will receive a grade of zero for that exam.

Software Project Submission

- Submit your assignment by *uploading* all files (normally you will be turning in a zipped file that contains the entire project) to WebCT. Besides the program(s), you must include:
 - A small description of the assignment (problem description), and the approach you followed to solve it (solution approach). Delete all unnecessary entries.
 - Run-time form image(s) at crucial points if necessary. Use the Alt + Print-Screen and Paste methods to paste the form image into your Word Processor document. Note: It is not wise to save a word processor document with many pictures; your disk will be full very fast.
- Keep a copy of your files. You may need it for your future assignments.

Grading the Assignments:

Your instructor will test your work. To get full grade, your program should provide correct answer. However, points will be deducted for the following:

- Sections of the documentation missing (e.g. problem statement, solution approach, etc.).
- Run-time image not enclosed or program listing (i.e., the printed program) not enclosed.
- Poorly documented program: no comments in all the sections of your program. Lack of proper indenting and spacing in the code.
- Incomplete submission.

Late Assignments: Programming assignments may be turned in late, but they lose a percentage of their graded point values each class period that they are late according to schedule shown below (weekday = Monday through Friday):

| | |
|----------------------------|------|
| On time: | 0% |
| Up to 1 weekday late: | 10% |
| Up to 2 weekdays late: | 30% |
| Up to 3 weekdays late: | 60% |
| More than 3 weekdays late: | 100% |

Withdrawal Policy

Last day to Withdraw is **Wednesday, October 15**. No faculty or department head signatures are required to drop a class if you drop a class on or before this date.

Incompletes

A grade of "I" (Incomplete) will be assigned only in circumstances in agreement with the current NMSU *Undergraduate Catalog* (http://www.nmsu.edu/Academic_Progs/Undergraduate_Catalog/ch1/regulations.html). Incomplete grades are to be given only if a student has passed the first half of the course and is unable to complete the course due to circumstances beyond the student's control. (If the circumstances develop during the first half of the course, the student has the opportunity to drop the class). Examples of appropriate circumstances are documented illness, documented death or crisis in the student's immediate family and similar circumstances. The catalog states that job related circumstances are generally not appropriate grounds for assigning an "I" grade and that this grade is not to be used to avoid assigning a D, F, or U grade.

Academic Misconduct

All work submitted must be your original work. Any work done by groups of more than one (i.e., the work of two or more students is remarkably similar), or too similar to work of previous students will be construed as cheating. Your work must be kept private from others; should your work appear in the work of another student, both parties will be considered to have cheated, both will receive a failing grade for the course. Please refer to the Student Handbook

(http://www.nmsu.edu/~vpss/SCOC/student_hand_book.html) for a full description of the NMSU Policy.

However, discussion of principles and approaches between class members is encouraged.

Disabilities Statement

If you have or believe you have a disability and would benefit from any accommodations, you may wish to self-identify by contacting the Services for Students with Disabilities (SSD) Office (phone: 646-6840). If you have already registered, please make sure that your instructor receives a copy of the accommodation memorandum from SSD within the first two weeks of classes. It is your responsibility to inform either your instructor or SSD representative in a timely manner if services/accommodations provided are not meeting your needs.

If you have a condition which may affect your ability to exit safely from the premises in an emergency or which may cause an emergency during class, you are encouraged to discuss any concerns with the instructor and/or Michael Armendariz, SSD Coordinator. Feel free to call Mr. Gerard Nevarez, Director of Institutional Equity and EEO/ADA Office at 646-3635 with any questions about the Americans with Disabilities Act (ADA) and/or Section 504 of the Rehabilitation Act of 1973. All medical information will be treated confidentially.

Professional Behavior Guidelines

Tardiness: Please arrive on time. If you are later than the start of the class, please quietly take a seat nearest the entrance.

Side Conversations: Side conversations make it difficult for your classmates to actively listen and learn.

Sleeping: falling asleep in class is not considered professional behavior.

Inattention: Please do not read other material (chat, browsing the web, books) or study for other courses during the class. It is not polite. Please pay attention and join in the individual and group discussions. It will help you master the material.

Cell Phone: Please turn off your cell phone or set it to silent mode while you are in the class. Cell rings can disturb your classmates as well as me.

Note to BCS 585 Students

Students that have enrolled in the BCIS 585 (or any other 5XX number) course will be provided with additional opportunities to demonstrate their interest and expertise in the subject material for this course. The specific details will be provided to those students during the course. These opportunities will be undertaken with all the rigor and enthusiasm they deserve and that should be demonstrated by graduate students.

Miscellaneous Policies

- Although I will try to maintain the class schedule and objectives, I may need to make adjustments.
- I do not give additional projects to increase one's grade before or after the exam(s).
- No food or drinks allowed in the lab.