BCIS 322. Section 01
Advanced Object Oriented Programming
Class Meets TR 1:10 – 2:25 p.m., GU 303

Instructor: Jim Shannon
Office Hours: Tu-Th: 10:00 am – 12:00 pm
(Meet in BC 309) and by appointment.
Office: Regents Row D 214
Website: http://learn.nmsu.edu

Course Scope

BCIS 322 is a study of Advanced Programming. By the end of the semester, each student should be able to demonstrate:

- the ability to model business solutions using the Object-Oriented paradigm
- the skills necessary to design and implement an Object-Oriented system using the C# programming language.
- advanced skill at using an Integrated Developers Environment (Visual Studio)
- sufficient programming/design skill to proceed to 400-level BCIS coursework. **NOTE: students MUST earn a 'C' or better in BCIS 322 in order to proceed to a number of the 400-level BCIS courses.**

Prerequisite: Business majors or others who have passed BCIS 222 (or equivalent) with the grade of "C" or better, or instructor's consent.

Required Materials

1. Text: Murach's C# 2012, by Joel Murach and Andrea Steelman
2. Development environment: Visual Studio

Responsibilities

As your teacher I have the following
- 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 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 to the requirements.
- 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
<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity (Estimated)</th>
<th>Percentage of Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Programming Assignments</td>
<td>5</td>
<td>38%</td>
</tr>
<tr>
<td>Short Assignments</td>
<td>5</td>
<td>12%</td>
</tr>
<tr>
<td>Exams (Exam 3 is a comprehensive programming assignment)</td>
<td>3</td>
<td>50%</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>100%</td>
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**Grading Scale**

- 90 to 100 A
- 80 to < 90 B
- 70 to < 80 C
- 60 to < 70 D
- < 60 F

**Note:** After all the material is graded, letter grades will be assigned as in the table above. There is no rounding of grades.

**Programming Assignments:** The key to become a good developer is to start programming from day one. As such, you will be asked to do a number of comprehensive and short 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 how the class is doing as a whole, and help me keep an adequate pace.

**Short Assignments:** These will be short assignments typically given and completed in class. Occasional short assignments may be completed between classes.

**Exams:** Classroom exams will carry most of the weight of your final grade. Exam material will come from in-class exercises and programming assignments. Exams may include a few multiple-choice or short answer essay questions. Most, if not all points on the exams will involve programming assignments.

**General Policies**

**Attendance**

You are expected to attend class. Although I will not take attendance, 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 Discussions section of Canvas is an extension of my office hours. You are to post all technical questions here. I will not answer general 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 implement an interface in my class hierarchy?” If you are going to start a new topic, or ask a new question, make sure that you start a new thread.
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 compilation 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 Exams**

- 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:
    - Other on a case-by-case basis
  - You have to bring a…
    - note from doctor
    - note from supervisor

**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.

**Assignment Submission**

- Submit your assignment by uploading all files (normally you will be turning in a zipped file that contains the entire project) to Canvas. Besides the program(s), you must include:
  - Comments. Your project should contain comments throughout your code explaining all the components of your program. We will discuss in class how to create comments.
- Keep a copy of your files. You may need it for your future assignments.
- Assignments will have a due date and a drop box close date. The drop box close date will be 3 days after the assignment due date. Late submissions will be lose points as described below.
- You may resubmit your assignment solution until the assignment drop box closes. Resubmissions after the drop box closes are not allowed. The date of your last submission will be used to determine late point penalties.

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

- **Weight distribution:** 10% for documentation; 90% for program.
- Incomplete submission.
- **Poorly documented program:** no comments in all the sections of your program. Lack of proper indenting and spacing in the code. Poor use of meaningful data names.
- **NOTE:** You must make sure you are uploading all the proper files for me to grade the assignments. If you fail to upload all the necessary files, you will be penalized and not get full credit for the assignment.

**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):

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<table>
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<tbody>
<tr>
<td>On Time</td>
<td>0 %</td>
</tr>
<tr>
<td>Up to 1 weekday late:</td>
<td>10%</td>
</tr>
<tr>
<td>Up to 2 weekdays late:</td>
<td>30%</td>
</tr>
<tr>
<td>Up to 3 weekdays late:</td>
<td>60 %</td>
</tr>
<tr>
<td>More than 3 weekdays late:</td>
<td>100%</td>
</tr>
</tbody>
</table>

Withdrawal Policy
Last day to Drop Course with a “W” Tuesday, March 11. No faculty or department head signatures are required to drop a class if you drop a class on or before this date.

Incomplete Grades
Under university policy, incompletes may be given only if a student has a passing grade at mid-semester (the last day to withdraw from a class) and is precluded from successful completion of the second half of the course by a documented illness, documented death, family crisis or other similar circumstances beyond the student's control. An incomplete should not be given to avoid assigning a grade for marginal or failing work. Instructors assigning the “I” grade can choose to make the “I” grade permanent, and require students to register for the course in a subsequent semester to earn credit (Option A), or may allow students to complete remaining work in the course by an identified deadline (within one year) and then submit a change of grade form to substitute the earned grade for the “I” grade (Option B). Requirements for removal of the “I” grade under Option B must be clearly stated on the “I” grade form. In both options, a copy of the COB form must be provided to the student. It is up to the faculty member to determine whether an incomplete is appropriate. Incompletes do not automatically convert to F’s if the course is not completed. Under Option B, the faculty member can state on the form that an incomplete will become an F, but then it is incumbent upon the instructor to process a change of grade form to accomplish that result.

Academic and non-academic misconduct
The Student Code of Conduct defines academic misconduct, non-academic misconduct and the consequences or penalties for each. The Student Code of Conduct is available in the NMSU Student Handbook online: [http://deanofstudents.nmsu.edu/student-handbook/1-student-code-of-conduct/](http://deanofstudents.nmsu.edu/student-handbook/1-student-code-of-conduct/)

Academic misconduct is explained here:

Plagiarism
Plagiarism is using another person's work without acknowledgment, making it appear to be one's own. Intentional and unintentional instances of plagiarism are considered instances of academic misconduct and are subject to disciplinary action such as failure on the assignment, failure of the course or dismissal from the university. The NMSU Library has more information and help on how to avoid plagiarism at [http://lib.nmsu.edu/plagiarism/](http://lib.nmsu.edu/plagiarism/)

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Discussion of general principles and general approaches between class members is encouraged.

**Disabilities Statement**
Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) covers issues relating to disability and accommodations. If a student has questions or needs an accommodation in the classroom (all medical information is treated confidentially), contact:

Trudy Luken, Director, Student Accessibility Services (SAS); Corbett Center, Rm. 244  
**Phone:** (575) 646-6840 — **E-mail:** sas@nmsu.edu  
**Website:** [www.nmsu.edu/~ssd/](http://www.nmsu.edu/~ssd/)

NMSU policy prohibits discrimination on the basis of age, ancestry, color, disability, gender identity, genetic information, national origin, race, religion, retaliation, serious medical condition, sex, sexual orientation, spousal affiliation and protected veterans status.

Furthermore, Title IX prohibits sex discrimination to include sexual misconduct, sexual violence, sexual harassment and retaliation.

For more information on discrimination issues, Title IX or NMSU's complaint process contact:  
Gerard Nevarez, Executive Director or Agustin Diaz, Associate Director  
Office of Institutional Equity (OIE); O'Loughlin House  
**Phone:** (575) 646-3635 — **E-mail:** equity@nmsu.edu  
**Website:** [http://www.nmsu.edu/~eco/](http://www.nmsu.edu/~eco/)

**Professional Behavior Guidelines**

**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. Also, please limit the use of text messaging while in class.  
**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.

**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).