Syllabus

Course Number/Section/Name:  IDM 1315-70 Programming Fundamentals
Class Days/Times/Location or Other Format:  Online
Professor:  Jeremy W. Pauli
Office Location:  FAB 226A
Office Hours:  MWF 10:00am – Noon  T/TH 1:00pm – 3:00pm
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Last Updated:  9/2/2008  This Syllabus is a dynamic document. Elements of the course structure (e.g.,
dates and topics covered, but not policies) may be changed at the discretion of the professor.

COB Mission Statement

The mission of the College of Business is to provide high quality undergraduate and graduate business
education with a global perspective and ethical awareness. We accomplish this through emphasis on
excellence in teaching, which is strengthened by faculty scholarship and supported by professional
service.

COB Learning Goals

1. Common Body of Core Business Knowledge  
2. Communication: Writing, Speaking, and Technology  
4. Macro Business Environment: Global, Cross-Cultural and Teamwork Applications

Course Description

Introduces the fundamental concepts of procedural programming. Topics include data types,
control structures, functions, arrays, files and the mechanics of running, testing and debugging.
The course also offers an introduction to the historical and social context of computing and an
overview of computer science as a discipline.

Course Objectives

Upon completion of this course students will understand the following concepts:

- The basic history of programming
- Creating objects, properties and methods
- Working with Graphical User Interface elements
- Creating and using classes and objects
- Making decisions in a program
- Repeating program instructions – if Statements
- Using built-in methods - Loops
- Reading and writing data from/to files
- Using arrays
- Using the XNA framework to build games for the Xbox 360

Map from COB Learning Goals to Objectives for this course
This course will help students fulfill COB Learning Goals 1. Communication: Writing, Speaking, and Technology and 2. Micro Business Environment: Ethics and Critical Thinking Applications

Terms of Use

A student's continued enrollment in this course signifies acknowledgment of and agreement with the statements, disclaimers, policies, and procedures outlined below and elsewhere in the WTClass container.

Technology Requirements

All technological requirements for the successful completion of this course are the responsibility of the student, including access to a working computer with broadband internet connection and state-of-the-art security. The student is responsible for all technological problems not related to WTAMU, including but not limited to equipment failures, power outages, and internet breakdowns. Furthermore, students are responsible for all necessary technical and operational skills for completing this course, and for being familiar with WTClass (the Angel Learning System) both in a general sense and in a specific sense as pertaining to this course and any materials stored within. The professor is not responsible for any technical matters related to WTClass. Students must contact WTClass if they have problems accessing and/or using Angel.

Viewpoints Disclaimer

The views expressed in this document, web-based course materials, and/or classroom presentations are those of the professor and do not necessarily represent the views of West Texas A&M University, its faculty and staff, or its students. Views expressed by students are likewise those of the person making such statements.

External Websites Disclaimer

Neither the professor, the College of Business, nor WTAMU are responsible for the content of external websites discussed in the classroom and/or linked to via online course materials, emails, message boards, or other means. Referred websites are for illustrative purposes only, and are neither warranted nor endorsed by the professor, College of Business, or WTAMU. Web pages change frequently, as does domain name ownership. While every effort is made to ensure proper referencing, it is possible that students may on occasion find materials to be objectionable for reasons beyond our control.

Copyright

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Repeating Course Work

Students are charged a fee for any course attempted for a third or subsequent time at WTAMU other than a non-degree credit developmental course or exempted courses.

Disabilities

West Texas A&M University seeks to provide reasonable accommodations for all qualified persons with disabilities. This University will adhere to all applicable federal, state, and local laws, regulations, and
guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to register with Disability Support Services and to contact the faculty member in a timely fashion to arrange for suitable accommodations.

**Scholastic Dishonesty**

It is the responsibility of students and instructors to help maintain scholastic integrity at the University by refusing to participate in or tolerate scholastic dishonesty. Commission of any of the following acts shall constitute scholastic dishonesty: acquiring or providing information for any assigned work or examination from any unauthorized source; informing any person or persons of the contents of any examination prior to the time the examination is given in subsequent sections of the course or as a makeup; plagiarism; submission of a paper or project that is substantially the same for two courses unless expressly authorized by the instructor to do so; submission of a paper or project prepared by another student as your own. You are responsible for being familiar with the university's Academic Integrity Code.

**Physical or Educational Access**

West Texas A&M University seeks to provide reasonable accommodations for all qualified persons with disabilities. This University will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to register with Disability Support Services and to contact the faculty member in a timely fashion to arrange for suitable accommodations.

**Evacuation Statement**

If you receive notice to evacuate the building, please evacuate promptly but in an orderly manner. Evacuation routes are posted in various locations indicating all exits, outside assemble area, location of fire extinguishers, fire alarm pull stations and emergency telephone numbers (651.5000 or 911). In the event an evacuation is necessary: evacuate immediately do not use elevators; take all personal belongings with you; report to outside assembly area and wait for further information; students needing assistance in the evacuation process should bring this to the attention of the instructor at the beginning of the semester.

**Chemical and Equipment Safety Statement**

Safety is everyone's responsibility. Material Safety Data Sheets (MSDSs) are provided for all chemicals used in this class. MSDSs provide information about physical properties, health risks, fire explosion data, and other important information associated with these chemicals. Before handling or using a chemical, you should refer to the MSDS for that chemical. It is your responsibility to inform the instructor in writing of any health conditions that may prevent you from safely using a chemical (pregnancy, auto immune deficiency, etc.). It is also the responsibility of the student to report any spill or problems found while storing or using a chemical. If you are unsure about a chemical, always ask. If you see any unsafe condition, notify your instructor immediately. If you are unsure about the proper and safe operation of any piece of equipment, ask your instructor for proper instruction. All injuries, spill of materials and unsafe conditions must be reported to the instructor immediately.

Students will be unable to access any other part of this course until completing a one-question assessment in the Lessons area of this course.

**PREREQUISITES**

A desire to learn programming and adherence to the lab usage policy:
REQUIRED TEXTBOOK AND MATERIALS
XNA GAME STUDIO EXPRESS W/CD
ISBN-10: 1598633686
Author: Shelly & Cashman
Publisher: Course Technology

Course Grading:
The number of points that you accumulate will determine individual course grade. Points will be based on two exams, homework, presentation, in-class participation, and quizzes. These components will be weighted as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participation (Discussion Boards)</td>
<td>10%</td>
</tr>
<tr>
<td>Homework assignments, weekly work and quizzes</td>
<td>40%</td>
</tr>
<tr>
<td>Project</td>
<td>20%</td>
</tr>
<tr>
<td>Final exam</td>
<td>30%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

No make-up exams will be given. In the event of an absence for a university sponsored event, arrangements must be made ahead of the date of absence. Any exception to this is at the discretion of the instructor.

Homework and projects must be turned in by assigned time. Failure to do so will result in a decreased grade or a 0 for the late assignment.

Grades will be based on the following percentage:
A – 90% or better
B – 80% – 89%
C – 70% - 79%
D – 60% - 69%
F – Less than 60%
Tests taken late or assignments turned in late will not be accepted. If the instructor finds reasonable circumstances to justify late work that work will graded on less than a 100 scale varying on days late and quality of work.

A grade of I (incomplete) cannot be given by instructor without a prearranged and approved contract signed by instructor and student stating conditions and terms of completion. This contract needs to be on file before final test day. Since this is an online course it would take a very exceptional case for an incomplete to given for this course.

COMPUTER LAB POLICIES
Usage of the WT IDM computer labs is governed by strict rules. Please see the course website on WTOline for a full list of the rules.

SOFTWARE DOWNLODS
The IDM department has certain software titles available for student use through the MSDNAA and other partnerships. Information about obtaining this software can be found on the course website on WTOline.

Please carefully note all restrictions and guidelines when using this software.

A SPECIAL NOTE ON PROGRAMMING
From many of you this will be your first introduction to object orientated programming. I will have to warn you that programming is a new way of looking at and solving of problems. With this 'new' approach you much expect many 'bumps along the road' and long hours of working
on homework and group work. I do believe that anyone can learn to program and program well but it takes a special drive to do learn about programming. The work we will do is not difficult but the mind set you will need to do the work is sometimes difficult to acquire and maintain.