JAMES MADISON UNIVERSITY

**College of Integrated Science and Technology**

**ISAT 340: Software Development - Fall 2008**

**1. Overview**

In this course, students will expand and enhance their knowledge of the processes, methods and techniques of efficient and effective software application development. Students will explore a variety of software models and examine the types of applications for which the models are most useful. Students will also learn how the various models can be integrated to produce a comprehensive software solution to a given problem.

**2. Goals**

* To familiarize students with the creation and enhancement of software systems in a sophisticated development environment
* To reinforce procedural (algorithmic) and object-oriented knowledge modeling (acquisition, representation, and programming)
* To introduce database systems and terminology and active server pages technology
* To practice ongoing teaming, project management, and analytical writing skills.

**3. Texts and Materials**

All students should purchase the following.

|  |  |
| --- | --- |
| **Description** | **Where to Purchase** |
| **TEXT**: *Intro toVisual Basic 2005* by David . I . Schneider | JMU Bookstore |
| A memory stick (USB) | Bookstore or CISAT Copy Center |

**5. Assignments and Your Grade**

This semester, students will develop software using VB.Net, Microsoft Access 2007, and Microsoft ASP.Net. All necessary software has been installed in the CISAT lab computers. Other computers may be used for labs and projects, but all submitted work must run on the lab machines and Server as necessary. It is the students’ responsibility to see that they do.

Reading, homework, and programming assignments will be made in class and will be posted on the course website on the section Blackboard/Basecamp. You are responsible for obtaining them if you miss class.

Assignments in ISAT 340 will serve two purposes:

1. To give you practice on concepts covered in class.
2. To introduce concepts NOT covered in class.
   * Please note that some assignments may introduce material not covered in class. Nonetheless, you will be held responsible for that material. If you are uncertain about exactly what you are accountable to know from your reading and homework assignments, please ask your instructor. Your instructor, and your instructor only, is the final decider of your grade.
   * You will be given short, unannounced quizzes on the assigned material. They will count toward your final grade and are meant to help your instructor understand your progress in the course.
   * Working together with your fellow classmates on this course is essential. From time to time, you will be called upon to do joint discussions or presentations. Your peers are an important resource so get to know your classmates

**6. E-mail and the course web page**

We will communicate with you via blackboard and by electronic mail. The webpage address will be announced later. Check Blackboard and your E-MAIL account daily for information on the course.

**7. Your Instructors**

|  |  |  |
| --- | --- | --- |
| **Instructor:** | Dr. Benton | Dr. Teate |
| **Section(s):** | Section 1 | Section 2 |
| **Office/Phone:** | HHS3224/86876 | 126/82712 |
| **EMail:** | bentonmc | teateaa |

**8. Grading (subject to modification)**

The following points make up your grade.

|  |  |
| --- | --- |
| 2 Exams @ 100/exam | 200 points |
| Lab assignments | 240 points |
| 2 Projects @ 100/project | 200 points |
| Participation/Homework/Quizzes/Others | 60 points |
| Final Exam | 100 points |
| TOTAL | 800 points |

**9. Make-up Policy**

Put simply, NO MAKE-UPS WILL BE GIVEN! A grade of zero (0) will be assigned for missed assignments, quizzes, etc.

**10. JMU Honor Code**

You are expected to comply fully with the JMU Honor Code, as presented in the Student Handbook. It is a violation of the Honor Code to collaborate in an **unauthorized** manner with one or more other students on an examination or any work submitted for academic credit.

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| **The copying of someone else's work or ideas and representing it as your own is unethical, unacceptable, and will result in automatic failure of the course and referral to the appropriate disciplinary authority.** |

**11. Homework and Lab Assignments Policies**

### **Collaboration**

* Collaboration among students is strongly encouraged as a way for students to come to understand the material better. You may do the projects in groups of two, turning in a single write-up.
* Collaboration on homework and lab reports is generally permitted, unless otherwise indicated. Whenever you have collaborated with others, you should **indicate** the names of all persons with whom you collaborated on your homework. You are encouraged to discuss assignment problems and possible solutions with your friends, but you must ***independently*** compose your solution in its final form. **If you do collaborate, please note it and remember that you are still responsible for understanding all the material.**
* When you work in teams, remember : **Don't put your name on anything you don't understand.** There will, of course, be no collaboration allowed on the exams.

# Submission

* Assignments should  be left in the instructor's mailbox by 5:00 P.M. (ISAT Building 330) on the due date. If electronic submission is required, it must be submitted before 5:00 p.m.
* No extensions to any assignments (paper, project or homework) due dates will be given. However, extensions will be considered in the case of serious family emergencies, extended illness, or other lengthy absence only. **Extensions must be requested at least 24 hours prior to the due date and must be documented.**
* Late homework submission will be normally incur a **25% penalty a day**. Late homework will not be accepted **after 48 hours**. However, certain assignments will not accept late submissions. Those assignments will be clearly designated as such.
* There will be *no extensions* on the final project and final assignments.

### **Grading**

* Project will be grades in the scale from 0 to 100. To receive a score greater than 97, requires an additional level of effort or exceptional  quality work.
* **To receive full credit on any assignment**, always follow the format for assignments explained later on.

# Format

* You **MUST** turn in a printout of every assignment in the course.  VB code must follow VB.NET Guidelines (on Blackboard)
* All assignment reports in hard copy **MUST** be typed (**NO** handwriting), single sided, double space.
* Staple your assignment report together in the top left corner.
* You **MUST** include a cover page indicating
  + Name(s)
  + Course and Section
  + Instructor
  + Names of students whom you may have collaborated with (if any).
  + Honor Code Pledge
    - **Individual Homeworks/Labs**  
      All the work on this homework is completely my own and complies with the Honor Code.
    - **Group Projects**  
       All the work in this project is completely ours and complies with the Honor Code. Every  members of this team has been involved in each of the steps in the development and implementation of the project and its deliverables
  + Signature(s)
* When required, you will deliver your assignment electronically. Specific instructions for electronic submission will be distributed later on.

**12. Important JMU Dates and Procedures**

* Students are responsible for registering for classes and for verifying their class schedules on e-campus.
* The deadline for **adding** a Fall Semester class without instructor and academic unit head signatures is **Tuesday, September 2, 2008**. Between Tuesday, September 2, 2008 and Thursday, September 11, 2008, instructor and academic unit head signatures are required to add a class for Fall Semester 2008.
* No student will be allowed to **register** for a Fall Semester class after **Thursday, September 11**, **2008**. No exceptions will be made to these deadlines.
* The deadline for **dropping** a Fall Semester class **with** a grade of **W** is Thursday, October 23. No **WP** grades will be given in this class.