Advanced Systems Development I (CIT 432)
SYLLABUS – SPRING 2011

Course Description

CIT 432 is a technology-enhanced course with a focus on advanced systems development techniques common to modern business systems. Students will utilize ASP.NET to build web applications for business systems. Hands-on programming activities will be required throughout the course to reinforcement critical concepts and ideas.

Required Textbooks

You will need the following book. Online orders should be placed immediately so the books can arrive in time for the beginning of Unit 2. (The Unit 1 reading materials are available on the class web site.)

- Murach's ASP.NET 3.5 Web Programming with VB 2008, Anne Boehm (ISBN 978-1-890774-47-9). You may purchase directly from the publisher at a 30% discount (http://www.murach.com/books/avb8/index.htm); or you may find new and used copies on Amazon.com or other online sites.

Instructor Information and Biography

Thad Crews
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Office Hours: MTW 8:00am – 10:00am; I am available well beyond these hours and you should feel free to email me to set up an appointment at a time that fits your schedule.

Instructor Biography: After completing an undergraduate degree from WKU, I began my professional career as a software engineer working for Electronic Data Systems (EDS, a global business and technology service company) developing and maintaining banking software applications. However I realized my true passion was for teaching so I went back to school, attending Vanderbilt University where I earned my Master's and Ph.D. degrees. My dissertation was in computer science in collaboration with the Vanderbilt Peabody College of Education, which is consistently ranked in the top 5 graduate programs for education according to U.S. News and World Report. After completing my doctorate I joined the faculty at Western Kentucky University and I have now been teaching here for 14 years. Since joining WKU I have served as National Chair of the Technology in Education Committee for the Association of Information Technology Professionals (AITP), I have written two college textbooks on computer programming, and I currently collaborate with Course Technology on the development of digital solutions for higher education. But my first love remains teaching, and I am looking forward to working with you in this course. As always, I'm available for questions or comments.

Sending E-mail to your instructor

My email address is thad.crewsii@wku.edu . When sending me email, please include the *class*, *your name*, and the *topic* of your email. For example, **"CIT 432 – Alex Smith – Video question"** would be a good and clear email subject line. Failure to include this information in your Subject line may result in your e-mail being filtered, misplaced, or ignored by my email system.

Points and Grades

There are 1000 points possible in this course, with 900 required for an "A", 800 required for a "B" and so on. The point value items are shown below.

Activity	Number and Points	Total Points Possible
Syllabus Confirmation	1 @ 20 points	20 points
Unit Quizzes	6 @ 50 points	300 points
Unit Discussion Board	7 @ 10 points	70 points
Unit Projects	6 @ 40 points	240 points
Capstone Project	1 @ 70 points	70 points
Midterm Exam	1 @ 100 points	100 points
Final Exam	1 @ 200 points	200 points
TOTAL		1000 points

Final Percentage	Total Points Earned	Letter Grade
90-100%	900-1000+	A
80-89%	800-899	B
70-79%	700-799	C
60-69%	600-699	D
0-59% (or academic dishonesty)	000-599 (or academic dishonesty)	F

> All activities must be completed by the due date.
>
> Late work will not be accepted after the due date.
>
> When you submit work to Blackboard, it is your responsibility to confirm on Blackboard that your files were successfully uploaded. (You can do this by viewing the material on Blackboard after you submit it.)
>
> NOTE: I will review any grade for up to 7 calendar days after the grade is posted.
> No grade will be reviewed after it has been posted for 7 days.

Unit Dates

There are seven units in this course, with the following topics and dates:

- Unit 1: Introduction to ASP.NET (Monday January 24th – Sunday February 6th)
- Unit 2: Multi-page Web Applications (Monday February 7th – Sunday February 20th)
- Unit 3: Sever and Validation Controls (Monday February 21st – Sunday March 6th)
  MIDTERM EXAM WINDOW: Thursday-Sunday (March 3rd -6th) (covers Units 1-2-3)
     (NOTE: Spring Break: March 7th – 11th)
     (NOTE: March 18th is the last day to drop this course with a "W")
- Unit 4: State, Master Pages, and Site Navigation (Mon March 14th – Sunday March 27th)
- Unit 5: ADO.NET Database-driven Websites (Monday March 28th – Sunday April 10th)
- Unit 6: CAPSTONE PROJECTS!!! (Monday April 11th – Sunday April 24th)
- Unit 7: AJAX and Web Services (Monday April 25th – Sunday May 8th)
     (NOTE: Finals Week: May 9th – 13th)
  FINAL EXAM (Scheduled through DELO)

Unit Activities

This class is broken down into seven learning units. Each unit begins on a Monday and typically ends 14 days later on a Sunday. All unit activities must be completed prior to the unit end date. Please use your time wisely and plan for the unexpected (computer problems, power outages, sickness, etc.) because late work is not accepted.

Each of the seven units will include five core activities (reading, video, hands-on activity, quiz, and discussion board).

1. Reading – Units will typically cover two or three chapters in the textbook. You are expected to read all assigned reading materials for each unit. _Deliverable_: none.

2. Watch lecture videos – All units will include video material. You are expected to watch all assigned video materials for each unit. _Deliverable_: none.

3. Hands-on Activity – Each unit will contain a Hands-On Activity that you will access through Blackboard. This activity will help strengthen your understanding and recall of key elements from the unit material. _Deliverable_: You must complete and submit the unit hands-on activity prior to the unit end date. Late work is not accepted.

4. Unit Quiz – Each unit will have a unit quiz. The unit quiz is open book and you may retake the quiz multiple times. If you retake the quiz, the previous score is deleted and the new score counts. The questions on the unit quiz may change each time you take the quiz. _Deliverable_: You must complete the unit quiz prior to the unit end date. Late work is not accepted.

5. Unit Discussion Board – Each unit will have a Discussion Board and you will be required to post multiple times during prior to the unit end date. (The discussion topics will be different each unit, and the specific discussion requirements for each unit will be specified in the Unit Guidelines.) _Deliverable_: You must complete the discussion board participation prior to the unit end date. Late work is not accepted.

Professional Skills Necessary in This Course

- Reading Comprehension – Each unit will include multiple chapter readings and students will be expected consume the material and provide reflective responses.
- Professional Communication –Discussion board postings are expected to combine reflection on the selected topic and clear communication of ideas.
- Time Management – Students are expected to manage their personal schedules and complete all assignments on time. Late work is not accepted.

Midterm and Final Exams

The midterm exam will be available for multiple days at the end of Unit 3.
All CIT final exams are proctored through DELO.

The midterm exam and final exam are assessments and not learning activities, therefore no feedback is provided, and you are not allowed to repeat either the midterm or the final exam. _NOTE_: Completing all assigned unit activities prior to the exam should significantly improve your performance on the exam.

Academic Dishonesty

Academic honesty is a requirement of this course. **A student must always submit work that represents his or her original words or ideas.** If any words or ideas are used that do not represent the student's original words or ideas, then the student must cite all relevant sources. The student should also make it clear the extent to which such sources are used.

The following behavior is **REQUIRED**:
- **You must personally create from scratch each hands-on solution as instructed in the Hands-On Activity document. Your instructor has forensic tools to determine if your work is 100% original or not.**

The following behavior is **NOT** acceptable:
- **You MAY NOT submit any files, images, code, or any other materials other than the materials provided by your instructor as described in the Hands-On Activity document. Some textbooks include files for student download. These files MAY NOT be included in ANY submission for a grade in this class.**

The following behavior is **acceptable** with respect to interacting with your peers:
- You may discuss homework program specifications at a very high level with other students. For example, you are encouraged to make appropriate use of the class Q&A discussion board.
- You may assist other students in tracking down bugs in their programs.
- However, you MAY NOT share your solutions with other students, including electronic files and/or printouts. (If files or printouts are shared, then BOTH students are guilty of Academic Dishonesty.)

Please be advised that academic dishonesty will not be tolerated in this course, and that the maximum penalty (e.g. failing grade in the course without possibility of withdrawal, and presenting the case to the Office of Student Life for disciplinary sanctions; see University Undergraduate Catalog, p. 27) will be enforced. If you are having problems with a homework assignment, please contact your instructor. If you have questions about what constitutes an acceptable submission or what constitutes acceptable collaboration, please contact your instructor.

Standards of Conduct

In addition to Academic Honesty, all students should show respect for others, be committed to issue and problem resolution, and appreciate the opportunity for open communication and correspondence with individuals whose life experiences are different than your own. Specifically, online students are expected to:
- Accept responsibility and accountability for all content posted to any online classroom, public meeting or personal inbox (e-mail).
- Maintain the same ethical standards expected in a traditional face-to-face academic environment. This includes avoiding harmful, threatening, libelous, or abusive content.
- Demonstrate respect for all faculty, students, and staff regardless of age, race, gender, religion, national origin, veteran's status, disability, or sexual orientation.

Technology Requirements

The following is a minimum of the technology steps that should be observed:

- You should have a reliable computer that is in good working order.
- You should have reliable Internet access. This is especially important for quizzes and exams.
- You should identify an alternative computer with an Internet connection that you can use in the event that you develop problems with your primary technology.
- You should perform regular backups of all your course materials.
- It is recommended that you have appropriate anti-virus, anti-spyware, and anti-adware installed on your computer.
- Installing new hardware or software not pertaining to this course during the semester is not recommended

Special Needs

In compliance with university policy, students with disabilities who require academic and/or auxiliary accommodations for this course must contact the Office for Student Disability Services in Downing University Center in A-200 (270/745.5004). Please do not request accommodations directly from the professor or instructor without a letter of accommodation from the Office for Student Disability Services.

Drop Dates

January 31st is the last day to drop this class without a grade.
March 18th is the last day to drop this class with a "W".
Note: Students must adhere to the add/drop dates published by WKU. Our department does not accept class-by-class withdrawal exceptions after the WKU drop dates. Our department will only support *General Withdrawal forms from All Classes*, and only with proper documentation.

Syllabus Confirmation

You should carefully read this entire syllabus. Once you have done so, you should go onto Blackboard and select the Syllabus Confirmation link to indicate you have read and understood all the material in this syllabus. The Syllabus Confirmation is worth 20 points.