IST 405 – Web Programming and Scripting Technologies

(formerly: Installation and Configuration of Internet Services)

Instructor:	Andrew Aken
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Office Hours:	Monday 12:30 – 5:15 p.m.
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Website:	**http://siu.globaleyes.com**/2008-Fall/IST405/
Class Time:	Section 1 T Th 9:35 – 10:50 a.m. ASA 0112a

Course Description:

This course provides a comprehensive introduction to programming tools and skills used to construct web server platforms. Students will gain hands-on experience with web programming languages including JSP, PHP, ASP.NET and web database access. In addition, XHTML, CSS, and JavaScript will be used.

Prerequisites:

ISAT 224, IST 301 or consent of School.

Required Textbooks:

Sebesta, Robert (2007). Programming the World Wide Web 4/E. Addison/Wesley. (ISBN 0-321-48969-1)
   Website: http://wps.aw.com/aw_sebesta_progwww_4/

Objectives:

Upon successful completion of the course, the student should be able to:

1. Understand Web-based technologies, including network protocols, client-server computing, database integration;

2. Apply different server-side web programming technologies to develop interactive web-based applications;

3. Accept and interpret user input.

Disability Support:

If you have a disability that impedes participation in this course, please contact Disability Support Services at 618-453-5738 or DSSsiu@siu.edu

Course Policies:

1. **Class Attendance and Preparation Policy:** Class attendance and preparation are strongly suggested. The instructor reserves the right to cancel any lecture or have a pop quiz when the majority of the class is

unprepared or the attendance falls below 66% of the class enrollment. Course requirements will not be reduced to compensate for such cancellations. There will be many assignments and quizzes which must be completed during class time. Late submissions of these assignments will not be accepted without an excused absence. All excused absences must be documented and approved **IN ADVANCE** (when applicable) and **IN WRITING** through the instructor prior to each and every missed class period. Failure to accomplish this will result in a grade of 0 (zero) for any missed assignments, quizzes, or exams (whether scheduled or not).

2. **Academic Dishonesty Policy:** Any student who is found cheating during an examination or assists another student in cheating during an examination will automatically fail the course. The case may also be forwarded to the appropriate administrators for university action. Any student caught cheating or helping a student cheat on any assignment will automatically receive a 0 on that assignment. Multiple infractions will result in automatic failure of the course and may result in additional disciplinary action.
Academic Dishonesty has occurred:
   - When a student turns in work created by someone else and represents it as his or her own work.
   - When a student permits someone else to turn in his or her work and represent it as his or her own work.
   - When a student copies work from another student.
   - When a student copies answers from another student on a quiz, exam, or test.
   - When a student uses notes or materials of any kind during a quiz, exam, or test (unless it is announced by the instructor as "open notes" or "open book").
   - When a student deliberately changes parts of computer work in an attempt to disguise the origin.
   - When two or more students collaborate on a project that is supposed to be completed individually.
   - Gaining access to prior exams or answers.

   Beware: *All* assignments are individual assignments unless otherwise noted.

3. **Assignment Submissions:** For all electronic forms of assignments, you *must* upload them through the class' website.

4. **Grade Appeals Policy:** It is the student's responsibility to keep all graded materials that have been returned. The instructor's grades will be assumed to be accurate unless you can prove otherwise. Any student wishing to appeal a grade must submit a WRITTEN appeal indicating a complete explanation of why the student feels they deserve a different grade. Verbal grade appeals will not be accepted.

Course Grades		
Mid-term Exam	1	20%
Final Exam	1	25%
Quizzes	4*	10%
Debate	1	25%
Assignments	4*	20%

* Actual number of assignments and quizzes may vary

Grading Scale	
>= 90.0%	A
80.0–89.99%	B
70.0–79.99%	C
60.0–69.99%	D
< 60.0%	F

Class Website

The main page for the website is located at **http://siu.globaleyes.com**. From there, you can click on the Classes tab and select the appropriate class from the current semester list. Once the student information has been entered into the class website, you will be able to access your grades and student-specific information by clicking on the Login button on the top left corner of the page. Your logon ID will normally be your first initial concatenated to your last name in all lower case (e.g. aaken). Your initial password will be the same as your logon ID (this can be modified once you have logged in). If you experience any problems with accessing the class website, please notify me at ajaken@siu.edu.

Debates

There will be 2 debates during the semester. The class will be divided into 5 debate teams which will present arguments and defend their positions on 2 topics. The active debate teams will evaluate the other members of their team for participation in debate preparation and the class members who are not participating in the current debate will evaluate the active debate teams. Your grades for the debate will be based upon the instructor's evaluation of your performance, your classmates' evaluation of your performance, your teammates' evaluation of your preparation, **and** your evaluations of your classmates (e.g., you <u>must</u> be present at all debates).

Tentative Schedule:

Date	Topics
19 Aug 08	Course Introduction
21 Aug 08	Ch 1: Internet Fundamentals
26 Aug 08	Installing & Configuring Webservers (Apache)
28 Aug 08	Installing & Configuring Webservers (Apache)
2 Sep 08	Installing & Configuring Webservers (IIS)
4 Sep 08	Installing & Configuring Webservers (IIS)
9 Sep 08	**Debate 1 & Quiz**
11 Sep 08	HTML
16 Sep 08	Ch 8: Perl
18 Sep 08	Ch 8: Perl
23 Sep 08	Ch 9: Using Perl for CGI Programming
25 Sep 08	**Quiz**
30 Sep 08	Ch 10: Servlets and Java Server Pages
2 Oct 08	Ch 10: Servlets and Java Server Pages
7 Oct 08	Ch 10: Servlets and Java Server Pages
9 Oct 08	**Midterm Exam**
14 Oct 08	Ch 11: Introduction to PHP
16 Oct 08	Ch 11: Introduction to PHP
21 Oct 08	Ch 11: Introduction to PHP
23 Oct 08	**Quiz**
28 Oct 08	Ch 12: Introduction to ASP.NET
30 Oct 08	Ch 12: Introduction to ASP.NET
4 Nov 08	Ch 12: Introduction to ASP.NET
6 Nov 08	**Debate 2 & Quiz**
11 Nov 08	*Veteran's Day*
13 Nov 08	Ch 13: Database Access through the Web
18 Nov 08	Ch 13: Database Access through the Web
20 Nov 08	Ch 13: Database Access through the Web
22-30 Nov 08	*Thanksgiving Break*
2 Dec 08	Ch 14-15: Ruby on Rails
4 Dec 08	Ch 16: Ajax
8-12 Dec 08	*Finals Week*

Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. Because some health and safety circumstances are beyond our control, we ask that you become familiar with the SIUC Emergency Response Plan and Building Emergency Response Team (BERT) program. Emergency response information is available on posters in buildings on campus, available on the BERT website at www.bert.siu.edu, Department of Public Safety's website at www.dps.siu.edu (disaster drop down) and in Emergency Response Guidelines pamphlet. Know how to respond to each type of emergency.

Instructors will provide guidance and direction to students in the classroom in the event of an emergency affecting your location. It is important that you follow these instructions and **stay with your instructor during an evacuation or sheltering emergency**. The Building Emergency Response Team will provide assistance to your instructor in evacuating the building or sheltering within the facility.