IST 336
Web-based Applications in Information Systems
Spring 2014

Instructor: Shahriar “Nick” Rahimi

- Office: ENGR A 409A
- Office Hours: T, Tr (8:30 – 10:30) a.m. & W 10 a.m. -12 p.m. or by appointment
- Campus Phone: (618)453-7209 (No Voice Mail Please)
- E-Mail: shrahimi@siu.edu
- Course Web Site: https://online.siu.edu/
- Class Times: Tuesday, Thursday from 3:35 p.m. – 4:50 p.m.
- Classroom: ASA 112D
- FINAL EXAM: Thursday May 8th 3:10 -5:10 p.m.

Email is the best way to contact me. I usually respond to emails within 24 hours during the week and 48 hours on weekends.

TEXTBOOK AND MATERIALS

Textbook: There is no textbook required for this course. The instructor will provide reading materials and links to appropriate web pages.

Storage Media: The use of USB Flash Drive is highly recommended for backup of assignments. Students should not save files to the local computer as the CLC staff may re-image each workstation periodically, causing the loss of files stored there. Please backup your files often. You may need them for future assignments.

Graphical applications for Web Design such as Dreamweaver, Microsoft Expression, Microsoft FrontPage and etc. are not allowed. Students will write their own code using Text Editors such as: Notepad++, Notepad and web Browser like Chrome, Firefox, IE.

COURSE DESCRIPTION

This course is designed to assist students in utilizing powerful web application software products and the fundamentals of Hypertext Markup Language (HTML). Students will create complex business documents, informational documents, and entertainment presentations for on-line use within graphical user interface (GUI) environment (web browsers). Students will
learn to import and export items; perform net searches; and scan, manipulate, and create images. Students will utilize critical analysis and thinking skills to examine and evaluate current on-line web pages and become aware of what constitutes a "good" web presence.

PREREQUISITES

IST 209: Introduction to Programming

COURSE OBJECTIVES

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

- Understand fundamental concepts related to building scripts used for interactive web-based applications
- Use a variety of current technologies for developing interactive web-based applications
- Understand terminology used in web site development
- Have an awareness of current and future trends in web site development
- Explain the purpose and usage of web site development
- Use current web site/web-based development application software
- Understand the steps involved in trouble-shooting web-based application software
- Describe the development, implementation, and maintenance of web-based application software
- Work successfully in a team environment
- Critically examine and evaluate web-based environments
- Give professional presentations of web development projects
- Develop web pages using HTML, CSS and JavaScript

GRADING AND ASSIGNMENTS

The criteria for each assignment will be posted as will the grading scheme for that assignment. Your grade is based on the total number of points you earn, and you earn points with each assignment (see below). We will have graded activities every week. The due dates will be announced when I post the assignments. Other assignments may be added.

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Percentage of the final grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participation/Attendance</td>
<td>5%</td>
</tr>
<tr>
<td>Labs</td>
<td>35%</td>
</tr>
<tr>
<td>Projects</td>
<td>35%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

Lab assignments and Projects must be submitted on or before the due date.
Grading is based on 100 possible points with letter grades being assigned as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-100</td>
</tr>
<tr>
<td>B</td>
<td>80-89</td>
</tr>
<tr>
<td>C</td>
<td>70-79</td>
</tr>
<tr>
<td>D</td>
<td>60-69</td>
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<tr>
<td>F</td>
<td>59 or less</td>
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</tbody>
</table>

**COURSE CONDUCT**

**Desire2Learn:** This course will use Desire2Learn (https://online.siu.edu) to post the syllabus, assignments, quizzes, links to useful sites, and other valuable material. Unless stated differently, all assignments should be turned in on Desire2Learn drop boxes.

**Email Communication:** You are responsible for monitoring emails from the instructor (shrahimi@siu.edu). I expect that you check your emails (the email account registered under your Salukinet account) multiple times daily for important messages from the department or your instructor.

**Attendance:** Class will start on time and end as scheduled. Attending class is required. You should attend each class and actively participate in the class. Attendance counts toward participation points. Missing class, tardiness and early departure will result in points deducted from attendance. An exception to this rule is valid written documentation (e.g., Doctor’s Note) or university recognized excuses. Please check the University Policy on Accommodating Religious Students (SIU 2013-2014 Undergraduate Catalog, page 553).

**Absence:** Students seeking an excused absence should notify the instructor before the actual absence. If you miss a class session it is your responsibility to catch up with course materials and to determine any assignments, upcoming due dates, etc. Students are allowed to have two unexcused absences for the entire semester. Beginning with the third absence, points will be deducted for each subsequent absence. Eight (8) unexcused absences results in a failing grade. Students who stop attending a class without officially dropping will receive a WF grade for the class. Absences for court dates, funerals and other compelling excuses must be communicated to the instructor ahead of time. Absences for illness must be officially documented. If you are not feeling well enough to attend class, you will need to provide evidence of a visit to a health care professional to be excused.

**Mobile Technology Policy:** The use of cell phones, smart phones, tablets, e-readers and other mobile communication devices is prohibited because they are a major disruption in the classroom and can affect everyone’s learning experience. Please turn off your phone or put it on vibrate mode during class. If you need to take an emergency call, quietly leave the classroom.
to not disturb others. During exams, please turn off your phone. You will lose points each time your phone rings during an exam as it can distract other students and you will receive grade zero if you use your phone (or other electronic devices) during an exam. The use of such devices in class can be considered disruptive behavior and will result in points deducted from daily participation.

**Disruptive Behavior:** According to the SIU Student Rights and Responsibilities, “Disruptive behavior is behavior that interferes with the instruction of classroom activities, including any behavior that disrupts or intimidates others within the classroom”. Examples of disruptive behavior include tardiness, early departure, disrespectful treatment (written or verbal) of students or instructors, excessive talking, inappropriate use of laptops, cell phones, MP3 players, magazines, newspapers, eating, drinking during class and any other inappropriate disruptive behaviors. Disruptive behavior is not acceptable and will be referred to the School Director and the office of Student Rights and Responsibilities.

**Cheating:** I strongly encourage the sharing of knowledge. I expect you to help your peers. However, a student may not use or copy (by any means) another’s work (or portions of it) and represent it as his/her own. This will be considered an act of Academic Dishonesty. All students are expected to follow the SIU Student Conduct Code and the ISAT Policy on Academic Dishonesty (below). Please visit the Student Rights and Responsibilities at [http://srr.siu.edu](http://srr.siu.edu). In addition, see the Morris Library Guide on Plagiarism: [http://libguides.lib.siu.edu/plagiarism](http://libguides.lib.siu.edu/plagiarism), and the SIU Student Conduct Code at [http://policies.siu.edu/_common/documents/StudentConductCode.pdf](http://policies.siu.edu/_common/documents/StudentConductCode.pdf)
## Tentative Course Outline (Subject to Change)

<table>
<thead>
<tr>
<th>Week</th>
<th>Description</th>
<th>Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HTML/HTML5</td>
<td>Lab 1 Lab2</td>
</tr>
<tr>
<td>2</td>
<td>HTML/HTML5</td>
<td>Lab 3 and 4</td>
</tr>
<tr>
<td>3</td>
<td>HTML/HTML5</td>
<td>Lab 5 and 6</td>
</tr>
<tr>
<td>4</td>
<td>HTML/HTML5</td>
<td>Lab 7 and 8</td>
</tr>
<tr>
<td>5</td>
<td>HTML/HTML5 Project</td>
<td>Project 1</td>
</tr>
<tr>
<td>6</td>
<td>CSS</td>
<td>Lab 9 and 10</td>
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<tr>
<td>7</td>
<td>CSS</td>
<td>Lab 11 and 12</td>
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<tr>
<td>8</td>
<td>CSS</td>
<td>Lab 13</td>
</tr>
<tr>
<td>9</td>
<td>Spring Break</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>CSS</td>
<td>Lab 14</td>
</tr>
<tr>
<td>11</td>
<td>HTML/HTML5-CSS Project</td>
<td>Project 2</td>
</tr>
<tr>
<td>12</td>
<td>JavaScript</td>
<td>Lab 15 and 16</td>
</tr>
<tr>
<td>13</td>
<td>JavaScript</td>
<td>Lab 17 and 18</td>
</tr>
<tr>
<td>14</td>
<td>JavaScript</td>
<td>Lab 19</td>
</tr>
<tr>
<td>15</td>
<td>HTML/HTML5-CSS-JavaScript Project</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>HTML/HTML5-CSS-JavaScript Project</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Final Exam</td>
<td>Final Exam</td>
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IMPORTANT DATES *

Semester Class Begins ........................................... 01/13/2014
Last day to add a class (without instructor permission): ............... 01/24/2014
Last day to withdraw completely and receive a 100% refund: ....... 01/26/2014
Last day to drop a course using SalukiNet: .................................................. 03/23/2014
Last day to file diploma application (for name to appear in Commencement program): .......................................................... 03/28/2014
Final examinations: ........................................................................ 5/5 – 5/9/2014

* Note: For outreach, online, and short course drop/add dates, visit Registrar’s Academic webpage http://registrar.siu.edu/

SPRING SEMESTER HOLIDAYS

Martin Luther King, Jr.’s Birthday 01/20/2014
Spring Vacation 03/08—03/16/2014

WITHDRAWAL POLICY ~ Undergraduate only

Students who officially register for a session may not withdraw merely by the stopping of attendance. An official withdrawal form needs to be initiated by the student and processed by the University. For the proper procedures to follow when dropping courses and when withdrawing from the University, please visit http://registrar.siu.edu/pdf/ugradcatalog1314.pdf

INCOMPLETE POLICY ~ Undergraduate only

An INC is assigned when, for reasons beyond their control, students engaged in passing work are unable to complete all class assignments. An INC must be changed to a completed grade within one semester following the term in which the course was taken, or graduation, whichever occurs first. Should the student fail to complete the course within the time period designated, that is, by no later than the end of the semester following the term in which the course was taken, or graduation, whichever occurs first, the incomplete will be converted to a grade of F and the grade will be computed in the student's grade point average. For more information please visit: http://registrar.siu.edu/grades/incomplete.html

REPEAT POLICY

An undergraduate student may, for the purpose of raising a grade, enroll in a course for credit no more than two times (two total enrollments) unless otherwise noted in the course description. For students receiving a letter grade of A,B,C,D, or F, the course repetition must occur at Southern Illinois University Carbondale. Only the most recent (last) grade will be calculated in the overall GPA and count toward hours earned. See full policy at http://registrar.siu.edu/pdf/ugradcatalog1314.pdf

GRADUATE POLICIES

Graduate policies often vary from Undergraduate policies. To view the applicable policies for graduate students, please visit http://gradschool.siu.edu/about-us/grad-catalog/index.html

DISABILITY POLICY

Disability Support Services provides the required academic and programmatic support services to students with permanent and temporary disabilities. DSS provides centralized coordination and referral services. To utilize DSS services, students must come to the DSS to open cases. The process involves interviews, reviews of student-supplied documentation, and completion of Disability Accommodation Agreements.

http://disabilityservices.siu.edu/

STUDENT CONDUCT CODE

http://policies.siu.edu/other_policies/chapter3/conduct.html

SALUKI CARES

The purpose of Saluki Cares is to develop, facilitate and coordinate a university-wide program of care and support for students in any type of distress—physical, emotional, financial, or personal. By working closely with faculty, staff, students and their families, SIU will continue to display a culture of care and demonstrate to our students and their families that they are an important part of the community. For Information on Saluki Cares: (618) 453-5714, or siucares@siu.edu, http://salukicares.siu.edu/index.html

EMERGENCY PROCEDURES

Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. We ask that you become familiar with the SIU Emergency Response Plan and Building Emergency Response Team (BERT) programs. Emergency response information is available on posters in buildings on campus, available on BERT’s website at www.bert.siu.edu, Department of Safety’s website at www dps.siu.edu (disaster drop down) and the Emergency Response Guideline pamphlet. 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.

INCLUSIVE EXCELLENCE

SIU contains people from all walks of life, from many different cultures and sub-cultures, and representing all strata of society, nationalities, ethnicities, lifestyles, and affiliations. Learning from and working with people who differ is an important part of education as well an essential preparation for any career. For more information please visit: http://www.inclusiveexcellence.siu.edu/

MORRIS LIBRARY HOURS

http://www.lib.siu.edu/about

LEARNING AND SUPPORT SERVICES

Help is within reach. Learning support services offers free tutoring on campus and math labs. To find more information please visit the Center for Learning and Support Services website:

Tutoring: http://tutoring.siu.edu/
Math Labs http://tutoring.siu.edu/math_tutoring/index.html

WRITING CENTER

The Writing Center offers free tutoring services to all SIU students and faculty. To find a Center or Schedule an appointment please visit http://write.siu.edu/

AFFIRMATIVE ACTION & EQUAL OPPORTUNITY

Our office's main focus is to ensure that the university complies with federal and state equity policies and handles reporting and investigating of discrimination cases. For more information visit:

http://diversity.siu.edu/

Additional Resources Available:

SALUKINET: https://salukinet.siu.edu/cp/home/displaylogin

ADVISEMENT: http://advisement.siu.edu/

PROVOST & VICE CHANCELLOR: http://pvcaa.siu.edu/

SIU ONLINE: http://online.siu.edu/