INFO 1110
Web Development: Essentials

Prerequisite:
Basic computing skills, such as those acquired in INFO 1100, are required before taking this course. No prior web design or programming experience is expected.

Instructor: Dr. Kevin R. Parker
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URL: homepages.cob.isu.edu/parkerkr/

Textbook:

Foundation HTML5 with CSS3
Cook, Garber, Francis

Semester: Spring 2015

This course will use current technology, so in order to do assignments at home your operating system must be Windows 7 or 8.

Class times, office hours, and textbooks can be found at http://homepages.cob.isu.edu/parkerkr/courses/INFO1110

Course Description

Web development skills are essential in today’s job market. This introductory web development course teaches the basic techniques, tools and processes used to construct a well-designed and effective web site while keeping the site’s users in mind.

Web Development: Essentials will introduce students to the fundamentals of web site creation. Students will develop, manage, and maintain professional web sites using HTML5 and Cascading Style Sheets. Web site design and layout will be explored. The class will also delve into accessibility and globalization issues to insure that sites are accessible to everyone regardless of their physical limitations or geographical location.

Topic List

Basics of the Web
HTML Basic Tags
CSS for Basic HTML
Basic Images
URL Formation
HTML Structural Tags
CSS for Structure
HTML5 Tables (with CSS3)
HTML5 Lists (with CSS3)
Advanced Images
HTML Hyperlinks
Web Design
Form Handling
HTML5 Multimedia
New HTML5 Features
New CSS3 Features
Intro to Interactive Web Development
**Course Objectives**

- The student will be able to design and implement web pages.
- The student will be able to demonstrate knowledge of website development concepts and terminology.
- The student will be able to explain and utilize the fundamental aspects of all elements found on web pages.
- The student will be able to demonstrate knowledge of HTML5 and CSS3.
- The student will be able to demonstrate a significant ability to plan, design, develop, manage, and maintain HTML-based websites.
- The student will be able to utilize layout and design principles to create visually appealing web pages.
- The student will be able to utilize the principles of user interface design to create user-friendly, easily navigated web pages.
- The student will be able to design web pages that are accessible to everyone regardless of their physical limitations or geographical location.
- The student will be able to explain and utilize the process of creating content for web pages including text, images, animation, audio, and video elements.
- The student will be able to verify that the results obtained satisfy the original requirements.

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**Policies & Procedures**

**Grade Distribution**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
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<tbody>
<tr>
<td>A</td>
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</tr>
<tr>
<td>B</td>
<td>80.00 - 81.99</td>
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<td>70.00 - 71.99</td>
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<tr>
<td>D</td>
<td>60.00 - 61.99</td>
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<tr>
<td>F</td>
<td>00.00 - 59.99</td>
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<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>A</td>
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<td>B</td>
<td>82.00 – 87.99</td>
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<td>62.00 – 67.99</td>
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<tr>
<td>F</td>
<td>00.00 – 59.99</td>
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**Final Grade Determination**

<table>
<thead>
<tr>
<th>Type</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>Web Assignments</td>
<td>50%</td>
</tr>
<tr>
<td>Exams</td>
<td>40%</td>
</tr>
<tr>
<td>Quizzes/Exercises</td>
<td>10%</td>
</tr>
</tbody>
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**Exams**

You must have a 60% or higher average on class exams in order to be eligible to earn a C- or above grade for the course. In other words, unless you average a 60% or higher on the exams your course score will be at most a D.

**Make-Up Quizzes or Exams**

No make-up exams or quizzes will be given, regardless of the reason for absence. Instead, a comprehensive exam will be given at the end of the semester to those students who have missed an earlier exam. The grade on the comprehensive exam will replace at most one zero score for a missed exam.

In order to reduce absences, no make-ups will be given, regardless of the reason for absence.

**Final Exam**

The scheduled date for the final exam is shown on the online class schedule. You must be there for the final exam.

**Assignments**

Assignments that are not submitted on the due date will be subject to grading penalties of 20% per day. Assignments cannot be graded until all students have submitted their work, so prompt submission is essential. Once assignments have been graded, late submissions will not be accepted.

**Grading Rubrics**

Grading rubrics are available for assignments in order to provide students with a checklist-like structure with which to assess assignments. This gives students the opportunity to “grade” their assignments before the professor does. If you notice any contradictions between the rubric and the assignment, notify the professor immediately for guidance.

**Practice Exercises**

Practice exercises are provided to help students gain additional hands-on experience. They are required because they cover some topics/skills that may not be discussed in the lectures.

**Extra Credit**

No extra credit will be given. Therefore, it is important to begin the semester with the knowledge that exams and assignments will constitute your entire grade.
**Academic Integrity**

Academic integrity is expected at Idaho State University and the College of Business. All forms of academic dishonesty, including cheating and plagiarism, are strictly prohibited, the penalties for which range up to permanent expulsion from the university with “Expulsion for Academic Dishonesty” noted on the student’s transcript. If you are unclear as to what constitutes academic dishonesty, read the College of Business Policy on Academic Integrity and the ISU Student Code of Conduct.

Some examples of dishonest behavior include, but are not limited to:

- Working on individual assignments with other students.
- Copying material from a source without attributing the source.
- Allowing another student to copy your work and then submit it as his/her own.
- Allowing someone else to complete your assignments for you and then passing off the work as your own.
- Bringing unauthorized material or devices to an exam. Note that you do not have to be caught using them - just having them is an offense.
- Copying from another student’s exam.
- Communicating with someone other than the professor during an exam.
- Removing the exam from the classroom.
- Acquiring exam or assignment answers or questions.
- Taking an exam for someone else or having someone take an exam for you.
- Performing any act designed to give unfair advantage to a student or the attempt to commit such acts.

**Attendance**

Attendance in class is integral to the learning process. Students are expected to attend every class. Some material may only be covered in class and not made available on the course website. Students are expected to notify their instructors by voice-mail or e-mail when they are absent from class.

Students are responsible for all material covered and announcements made within classes, even when absent from classes. Students should rely on classmates and online materials for any course content that is missed.

Any quizzes or exams that are missed cannot be made up, so attendance is essential. More than three absences may result in the reduction of one letter grade on the final grade. If a student misses the equivalent of three weeks or more of class, no credit may be received for the course. It is the student’s responsibility to contact the professor to check on their status if more than three classes are missed.

**Tardiness**

Students are expected to arrive for class and be in their seats by the scheduled beginning of class. Repeatedly coming to class late disrupts the teaching/learning environment in the classroom and adversely affects the other students in the class.

Quizzes will be administered at the beginning of class, and anyone arriving late may not be allowed to take the quiz.

Students are expected to remain for the entire duration of the class.

**Cell Phones**

Cell phones, pagers, and any other electronic devices that may disrupt class are to be left outside of class or turned off. Repeated violations of this policy will result in letter grade reductions.

**Professional Demeanor**

Part of receiving an education from a professional college is learning about your chosen field. Another part is learning to act like a member of that field. Professional Demeanor is in many ways the most important part of the learning process. How you act affects not only how others perceive you, but can also result in rewards or, alternatively, negative consequences. It will also affect your class grade.

The grade that you receive in this class will consist of two parts: the objective portion that is a calculated average of all assignments, quizzes, exams, etc., and a subjective portion that is based on your professional demeanor. The professional demeanor multiplier (PDM) can range from 0.8 to 1.0, and will be multiplied by your calculated average. Students will be assigned a PDM of 1.0 unless behaviors are exhibited that signify unreadiness for the workforce.

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**Final Grade = Calculated Grade * PDM**

Students will demonstrate professional demeanor and commitment in a variety of ways: energetic and respectful participation in class, willing acceptance and completion of obligations; punctuality; and not whining. Professional demeanor includes several subjective items such as attendance, positive attitude, preparation, appropriate language and respectfulness to other students and the professor. Students are expected to come to class prepared, participate in activities and discussions, and treat others with respect in the classroom, which includes listening interactively to classmates and the professor, and respecting others’ viewpoints.

Students are expected to arrive for class and be in their seats by the scheduled beginning of class.

Attendance is very important and is addressed in a separate section.

Do not leave class early unless prior arrangements have been made with the professor.

Do not read the newspaper or eat meals during class.

Every cell phone, laptop, or other annoying electronic device should be set to mute or off before coming to class. If any of these devices rings, beeps, or plays in class, you may be marked absent.

Some students enroll in a course already having experience in the subject area, and while contributions to discussions are welcomed, arrogance and unwillingness to learn or comply with professor directions will not be tolerated.
Laptop Policy
Increasing numbers of students are using personal computers to take notes in class. To maintain an atmosphere conducive to learning in the classroom and to avoid distracting others, students using laptops in classrooms should follow these principles of good practice:

- Set your computer so that no audible signal is heard (e.g., when the battery is low). Similarly, install software so that there is no sound when the software is "booted up" or used.
- Restrict laptop use to note taking or class-related web sites. Random browsing, social networking, playing computer games, exchanging e-mail, and Internet messaging are discouraged. If you engage in unauthorized communication or entertainment (surfing, instant messaging, chat room chatting, DVD viewing, shopping, music playing, game playing, etc.), you will be marked absent.
- If a guest speaker comes into the class, please give the person your full attention and close your laptops.

Reading Materials
Students are responsible for thoroughly reading the course syllabus and understanding its content.

Students are expected to read the assigned materials (textbooks or supplemental materials) prior to the class day with which it is associated and to actively participate in class discussions. Unannounced quizzes may be given over reading assignments if students don’t appear to be reading the material in advance.

Student Notification
All students are responsible for checking the web page and their e-mail on a regular basis, preferably daily, for notification of any class scheduling changes or assignment clarification. Notice of quizzes or assignment clarifications may be posted late at night.

eMail Etiquette
As noted, eMail is the best way to contact the professor, but please DO NOT use chat or SMS shorthand in your messages. Use full words. While shorthand is fine for casual messages, you are in a professional environment and need to present yourself as such.

Special Needs
Our program is committed to all students achieving their potential. If you have a disability or think you have a disability (physical, hearing, vision, psychiatric, or learning disability) that may need a reasonable accommodation, please contact the ADA & Disabilities Resource Center located in the Rendezvous Complex, Room 125, 282-3599.

Closed Week Policy
Information about the ISU Closed Week Policy can be found online. Note that the policy does not prevent the presentation of new material during closed week.

Instructor Availability
The instructor will be available during posted office hours, but additional efforts are made to increase accessibility to the students. If the instructor is not available at the telephone number above, the student can leave a detailed voice mail message. However, the instructor’s e-mail is checked throughout each day and often the student will get an immediate response to questions submitted by e-mail. E-mail is usually the most reliable means of contact.

Course Fees
The fees on INFO courses are used to cover those expenses for which the State provides no budget. Specifically, your fee goes towards:

- Paying for our College of Business technical support personnel. These personnel install and maintain the software on instructors’ computers required for the course, conduct administrator activities for the Microsoft Academic Alliance (which provides the software for students), and maintain hardware in the classroom.
- Purchasing and maintaining the projection equipment used to conduct the class.
- Maintaining server software (e.g. Visual Studio) used in various ICS courses.

Without these fees, students would have to purchase their own software, there would be no projectors in classrooms, and instructors would not be able to run the software required for the course.

ICS Facebook Page
The Informatics and Computer Science Facebook page can be joined at www.facebook.com/groups/5643817087/. The page is where we post major announcements as well as information about guest speakers and internships for Informatics and CS majors.

ACM Student Organization
There are both immediate benefits and long term benefits to getting involved in the ACM student organization, including career preparation, networking, learning things not taught in class, and giving back to your fellow students. The ISU ACM Facebook page can be joined at www.facebook.com/groups/59810306279/.