Hospitality and Technology Leadership

CGS 3850

Web Development: JavaScript

Spring 2015

3 Credit Hours
Course Number: CGS 3850

Course Name: Web Development - JavaScript

Course Description: This course introduces the JavaScript client-side scripting language for making Web pages dynamic by manipulating the Document Object Model and changing the appearance of the page.

Instructor: Dr. Hyo-Jeong Kim
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Prerequisites: CGS 3853 – Web Design

Course Goals: JavaScript is one of the three pillars of Web Design/Development along with HTML and Cascading Style Sheets (CSS). These languages are the three “layers” of a Web page. HTML provides the structural layer, organizing content in a meaningful way; CSS provides the presentational layer, applying style the content; and JavaScript adds a behavioral layer, bringing a Web page to life so that it interacts with Web visitors.

JavaScript is also the basis for the jQuery library (and other libraries) and AJAX, so it is absolutely essential that a Web developer be knowledgeable and skilled in the uses and application of JavaScript. This will become even more the case as adoption of HTML5 grows.

Performance Objectives: This course provides comprehensive instruction to concepts of JavaScript programming, teaching students to apply JavaScript to create real-world applications.
**Attendance Policy:**
For Spring semester 2015, this course will meet Tuesdays and Thursdays from 12:30 to 1:45 p.m. and will be conducted entirely online using Elluminate. Logging in to our scheduled online meeting constitutes “attendance.”

**Submission of Assignments:**
Assignments are based on the Tutorials contained in the course text, and will be submitted weekly. All assignments are due no later than 12:30 p.m. on the due date. They must be uploaded to Canvas. Submitting them via Canvas provides a date and time stamp as proof of timely transmission.

Late assignments will not be accepted unless prior permission has been granted by your Instructor. Otherwise, don’t even think of submitting them past the deadline. They will not be accepted.

**Performance Evaluation and Grading**
The total score on your twelve (12) best assignments will be the score used to determine your final grade as follows: A 90-100; B 80-89; C 70-79; D 60-69; F 0-59.
### Class Schedule – Spring 2015:
(Revised 01/06/14):

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Readings:</th>
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</thead>
<tbody>
<tr>
<td>Week 1</td>
<td>Part One: Getting Started with JavaScript</td>
<td>McFarland2e – Chapter 1, “Writing Your First JavaScript Program”</td>
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<tr>
<td>Week 3</td>
<td>Readings:</td>
<td>McFarland2e – Chapter 3, “Adding Logic and Control to Your Program”</td>
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<tr>
<td>Week 4</td>
<td>Part Two: Getting Started with jQuery</td>
<td>McFarland2e – Chapter 4, “Introducing jQuery”</td>
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<td>Week 6</td>
<td>Readings:</td>
<td>McFarland2e – Chapter 6, “Animations and Effects”</td>
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<td>Week 8</td>
<td>Readings:</td>
<td>McFarland2e – Chapter 8, “Improving Navigation”</td>
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<tr>
<td>Week 9</td>
<td>Readings:</td>
<td>McFarland2e – Chapter 9, “Enhancing Web Forms”</td>
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| Week 10 | Readings:  
McFarland2e – Chapter 10, “Expanding Your Interface” |
|--------|------------------------------------------------------|
| Week 11 | Part Four: Ajax: Communication with the Web Server  
Readings:  
McFarland2e – Chapter 11, “Introducing Ajax” |
| Week 12 | Readings:  
McFarland2e – Chapter 12, “Flickr and Google Maps” |
| Week 13 | Part Five: Tips, Tricks, and Troubleshooting  
Readings:  
McFarland2e – Chapter 13, “Getting the Most from jQuery” |
| Week 14 | Readings:  
McFarland2e – Chapter 14, “Going Further with JavaScript” |
| Week 15 | Readings:  
McFarland2e – Chapter 15, “Troubleshooting and Debugging” |
USFSM Policies:

A. **Academic Dishonesty**: The University considers any form of plagiarism or cheating on exams, projects, or papers to be unacceptable behavior. Please be sure to review the university’s policy in the catalog, USFSM Undergraduate Catalog or USFSM Graduate Catalog and the USF Student Code of Conduct.

B. **Academic Disruption**: The University does not tolerate behavior that disrupts the learning process. The policy for addressing academic disruption is included with Academic Dishonesty in the catalog: USFSM Undergraduate Catalog or USFSM Graduate Catalog and the USF Student Code of Conduct.

C. **Contingency Plans**: In the event of an emergency, it may be necessary for USFSM to suspend normal operations. During this time, USFSM may opt to continue delivery of instruction through methods that include but are not limited to: Blackboard, Elluminate, Skype, and email messaging and/or an alternate schedule. It’s the responsibility of the student to monitor Blackboard site for each class for course specific communication, and the main USFSM and College websites, emails, and MoBull messages for important general information. The USF hotline at 1 (800) 992-4231 is updated with pre-recorded information during an emergency. See the [Safety Preparedness Website](#) for further information.

D. **Disabilities Accommodation**: Students are responsible for registering with the Office of Students with Disabilities Services (SDS) in order to receive academic accommodations. Reasonable notice must be given to the SDS office (typically 5 working days) for accommodations to be arranged. It is the responsibility of the student to provide each instructor with a copy of the official Memo of Accommodation. Contact Information: Pat Lakey, Coordinator, 941-359-4714, plakey@sar.usf.edu, www.sarasota.usf.edu/Students/Disability/

E. **Fire Alarm Instructions**: At the beginning of each semester please note the emergency exit maps posted in each classroom. These signs are marked with the primary evacuation route (red) and secondary evacuation route (orange) in case the building needs to be evacuated. See [Emergency Evacuation Procedures](#).

F. **Religious Observances**: USFSM recognizes the right of students and faculty to observe major religious holidays. Students who anticipate the necessity of being absent from class for a major religious observance must provide notice of the date(s) to the instructor, in writing, by the second week of classes. Instructors canceling class for a religious observance should have this stated in the syllabus with an appropriate alternative assignment.
G. Student Wellness: The Counseling and Wellness Center is a confidential resource where you can talk about incidents of sexual harassment and gender-based crimes including sexual assault, stalking, and domestic/relationship violence. You can receive assistance in confidence. This confidential resource can help you without having to report your situation to the Office of Student Rights and Responsibilities (OSSR) or the Office of Diversity, Inclusion, and Equal Opportunity (DIEO); unless you request that they make a report. Please be aware that educators must report incidents of sexual harassment and gender-based crimes including sexual assault, stalking, and domestic/relationship violence. If you disclose any of these situations in class, in papers, or to me personally, I am required to report it to OSSR or DIEO for investigation. The Deputy Coordinator for USFSM is Mary Beth Wallace, AVP for Student Enrollment, Engagement and Success, 941-359-4330 or marybeth@sar.usf.edu. Other number and resources:

- Counseling Center and Wellness Center 941-487-4254
- Victim Advocate (24/7) 941-504-8599

List of off-campus resources:

- Hope of Manatee: 941-755-6805
- Safe Place & Rape Crisis Center (SPARCC) – Sarasota: 941-365-1976
- First Call for Help- Manatee: 941-708-6488 -Sarasota & North Port 941-366-5025
- Manatee Glens: 941-782-4800