Spring 2018: CIS 450 – Web Design Studio (3 Credits)

MWF 12:10-1:00. SN 227.

Instructor

Dr. Zhijun Wang.   Office: Byrd Science Center 309
Office Phone: (304) 876-5070   E-mail: zwang@shepherd.edu
Office Hours: MW 1-3, WF 9-10, or by appointment.

Course Description

From the Catalog – This course is designed for students to learn through hands-on experience and production. Students will form teams to learn advanced techniques for Web site creation and design, programming, and integration. Languages, tools, and technology for creating advanced Web applications will be covered. Prerequisites: CIS 334.

Mandated Goals/Learning Outcomes

- LEAP goal – Intellectual and practical skills throughout the curriculum.
- Learning outcomes – Critical thinking and creative thinking.

Specific Course Goals

- Understand basics of website design and programming.
- Get familiar with popular languages, libraries, and tools.
- Design and implement webpages using current web technologies.

Tentative Schedules

- Week 1 – 4. HMTL5 new features. CSS and basic JavaScript review.
- Week 5 – 7. JavaScript advanced features. Libraries such as jQuery.
- Week 8 – 12. Ajax, JSON, APIs, debugging, filtering, searching, and sorting.
- Week 13 – 15. Advanced form features. Single-page web applications. AngularJS.
- For detailed schedules and assignments with due dates etc., please visit http://cs.planetapps.com/450.html

Textbook

- "Web Design with HTML, CSS, JavaScript and jQuery Set" by Jon Duckett, Wiley, 2014. ISBN-13: 978-1118907443.
- Other relevant book and web references will be posted on the course webpage.

Evaluations

- Assignments/Projects – 70%
  No late assignment/project will be accepted without a documented excusable reason. Due dates are posted on the course website. Please start early.
- Team Work Attendance – 30%

There are 10 random attendance checks throughout the semester.
- Final Grade – A ≥ 90%, B ≥ 80%, C ≥ 70%, D ≥ 60%, F < 60%.

Federally, HEPC, and Shepherd Mandated Policies

Disability Support Services
Disability Support Services at Shepherd University believes that every student should succeed, and works closely with students to meet their needs. Students requesting any disability related accommodation should contact the Disability Coordinator at 304-876-5122. This includes students with learning disabilities needing classroom accommodations, students requesting specific housing accommodations for health-related reasons, and all other disability accommodations. Accommodations need to be documented and provided to instructors. Please see http://www.shepherd.edu/disability for more information.

Academic Integrity
Each student in this course is expected to abide by the Shepherd University Academic Integrity Procedures in the Student Handbook – http://www.shepherd.edu/conduct.

Class Attendance
You must attend your classes regularly and engage in the requirements for each class; otherwise, your financial aid may be revoked either partially or in full. This would result in an amount due by you to the University immediately. Please refer to http://www.shepherd.edu/financialaid for more details.

Shepherd and CME Suggested Policies and Information

Free tutoring scheduling. Please refer to the academic support center's website at http://www.shepherd.edu/academic-support/.

Cell Phone and Text Messaging Policy – Please turn your cell phone off or put it in the silent mode. Please talk outside of the classroom if needed. No texting please.

Students in athletics – It is your responsibility to provide a letter signed by your coach listing all of the days in which you will be absent. Accommodations will be made only if the letter is received from your coach no later than the end of the first week of class.

The instructor reserves the right to update this syllabus, but only when necessary. In this case students will be notified in a reasonable and timely fashion.