**Course:**

COMP 2068 – Advanced Web Programming

**Meeting Time & Location:**

Monday 8:00-10:50

**Course Description:**

This course is designed to give students the opportunity to enhance and enrich their skills in Web programming. Students will learn to develop Web applications that use three-tier architecture, session management, object-oriented techniques, and advance database interactions. Concepts such as advanced CSS concepts, rich interactive Web environments, authentication, and security will also be explored.

**Resources:**

**Recommended Reading**

* Jennifer Niederst Robbins (2012), Learning Web Design, 4th Edition, O’Reilly Media Inc.
* Ethan Marcotte (2011), *Responsive Web Design*, A Book Apart
* Aaron Gustafson (2011), *Adaptive Web Design*, Easy Readers
* Zak Ruvalcaba & Anne Boehm (2012), *Murach HTML5 & CSS3*, Mike Murach & Assoc.
* Chris Mills (2013), *Practical CSS3: Develop and Design*, Peachpit Press
* Zak Ruvalcaba & Mike Murach (2012), *Murach JavaScript and jQuery*, Mike Murach & Assoc.
* Kris Hadlock (2012), *jQuery Mobile: Develop and Design*, Peachpit Press
* Joel Murach & Ray Harris (2010), *Murach PHP and MySQL*, Mike Murach & Assoc.
* Brett McLaughlin (2013), *PHP & MySQL: The Missing Manual*, 2nd Edition, O’Reilly Media Inc.

**Instructor:**

Carmen Branje cbranje@gmail.com

**Office Hours:** By appointment only.

**Evaluation:**

3 Assignments 45%

Project 1 (Individual) 20%

Project 2 (Group) 35%

**Total 100%**

Advanced Web Programming – COMP-2068

SYLLABUS

**W2013**

SCHEDULE OF ACTIVITIES

Advanced Web Programming – COMP-2068

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **WEEK** | **LESSON** | | **ASSIGN** | | **DUE** | |
| 1 | An HTML & CSS Primer / Introduction | |  | |  | |
| 2 | More HTML and CSS | | ASSIGNMENT 1 | |  | |
| 3 | JavaScript Essentials | |  | |  | |
| 4 | jQuery Essentials | | ASSIGNMENT 2 | | ASSIGNMENT 1 | |
| 5 | jQuery UI Essentials | |  | |  | |
| 6 | Adaptive Design Essentials | | PROJECT 1 | | ASSIGNMENT 2 | |
| 7 | jQuery Mobile Essentials | |  | |  | |
|  | | | | | | |
| 8 | PHP & MySQL Essentials / Setup |  | | ASSIGNMENT 3 | | PROJECT 1 | |
| 9 | The MVC Pattern |  | |  | |  | |
| 10 | PHP Programming |  | | PROJECT 2 | | ASSIGNMENT 3 | |
| 11 | PHP & MySQL Integration |  | |  | |  | |
| 12 | PHP Advanced Skills |  | |  | |  | |
| 13 | Workshop |  | |  | |  | |
| 14 | Presentations |  | |  | | PROJECT 2 | |

**MIDTERM POINT**



The sequence and content of this syllabus may change due to unanticipated opportunities or challenges, or to accommodate the learning styles of the students.

**Note:** Personal images, image of your projects and images of events may be taken throughout the semester. If you do not want your work/image used for College and program promotional purposes, please fill out a disclaimer form available from your coordinator.