COURSE DESCRIPTION

Prerequisites: Intermediate web generation skills or instructor approval.

Web programming using industry-standard languages and data stores. This course may be repeated if topics and learning outcomes vary.

This course will explore advanced web page design and solutions. Instruction will be based on realistic scenarios and students will be required to provide solutions. The course will be dividend into course instruction and lab. Course instruction will be based on a virtual web design/solutions company. Students will be given weekly problem based scenarios; and will be required to produce written solutions provided by current manufacturers based on research performed outside of class.

Lab will consist of developing a front/back end solution using PHP and MySQL on an Apache or IIS server.

Students will be expected to plan, create, build, upload and modify as necessary a website individually and as part of a web development team.

This is a 4 credit hour course. (3 lec., 4 lab.)

End-of-Course Outcomes: Design, code, and implement a dynamic website; and develop connectivity between data store and website.

WECM END-OF-COURSE OUTCOMES: Web programming using industry-standard language and data stores. This course may be repeated if topics and learning outcomes vary.

STUDENT LEARNING OUTCOMES:
By the end of this course students will be able to:

- Understand terminology related to application/data storage solutions.
  Direct Measure:  
  * Students will score a minimum of 70% accuracy lab grading rubric. *
  Indirect Measure:  
  * 70% of the students who pass the course will have a minimum grade of C *

- Develop a database driven web application..
  Direct Measure:  
  * Students will score a minimum of 70% accuracy lab grading rubric *
  Indirect Measure:  
  * Students will score a minimum grade of C on each assignment *

- Demonstrate database driven design concepts relevant to current job skills.
Direct Measure:
Students will score a minimum of 70% accuracy lab grading rubric

Indirect Measure:
Students will score a minimum grade of C on each assignment

COURSE MATERIALS

Textbook:  

USB Flash Drive
Personal Website compatible with PHP and MySQL
Spiral Notebook
Ink Pen

MAJOR COURSE REQUIREMENT:

*COURSE HAS NOT BEEN TAUGHT SINCE BEFORE SYLLABI CHANGES*

SUBJECT MATTER
Topics covered in the lecture portion of the course include:

*COURSE HAS NOT BEEN TAUGHT SINCE BEFORE SYLLABI CHANGES*

DISCLAIMER
The provisions contained in this syllabus do not constitute a contract between the student and El Centro College. These provisions may be changed at the discretion of the Coordinator/Instructor. When necessary, appropriate notice of such changes will be given to the student.

The instructor-of-record may provide additional information to enhance the course to meet the needs of the enrolled students, provided that the enhancements do not conflict with the official course syllabus.

POLICIES
Students should click on the links below and read all of these policies.

[General institutional policies](#)
[Course-related institutional policies](#)