

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

 x Transfer Course x A.A. Degree applicable course
(check all that apply)

COURSE NUMBER AND TITLE: CSIS 139 – Advanced Web Site Development

UNIT VALUE: 3

MINIMUM NUMBER OF SEMESTER HOURS: 64

BASIC SKILLS REQUIREMENTS: Appropriate language and computational skills.

ENTRANCE REQUIREMENTS

PREREQUISITE: None

COREQUISITE: None

RECOMMENDED PREPARATION: CSIS 138

SCOPE OF COURSE:

This course will focus on web-based application development using advanced features of HTML, Dynamic HTML, XHTML, and XML.

SPECIFIC COURSE OBJECTIVES:

The successful student will be able to:

1. Utilize the advanced feature of HTML.
2. Design web pages using style sheets, images, tables, and frames.
3. Utilize features of Dynamic HTML.
4. Utilize features of Extensible Markup Language (XML).
5. Integrate Dynamic HTML with XML (XHTML).

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Client/Server relationship
- II. Linking documents
- III. Using Images, image maps
- IV. Incorporating multimedia and other file formats
- V. Advanced Table Layout
- VI. Frames Layout
- VII. Developing forms, CGI programming, secure transactions
- VIII. Cascading Style sheets (CSS)
- IX. Form validation
- X. Introduction to DHTML / The Document Object Model
- XI. Image rollovers
- XII. Cross-browser DHTML - layers
- XIII. Introduction to XML
- XIV. Introduction to XHTML

REQUIRED READING:

Holzschlag, Molly. *Special Edition Using XHTML*, New York: QUE, 2000
ISBN: 0619019689

OR

Powell, Thomas. *HTML: The Complete Reference (Osborne Complete Reference Series)*,
3rd Ed. New York: McGraw-Hill Professional Publishing, 2000
ISBN: 0072129514

SUGGESTED READING: None

REQUIRED WRITING:

Problem solving exercises and skills demonstrated in computer homework assignments. A minimum of one page per homework assignment.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short-term classes. There are written homework exercises within each section of each chapter which are assigned, requiring an average of one hour to complete. In addition, numerous computer lab exercises are assigned, each ranging from one to ten hours to complete by an average student.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
- laboratory
- lecture-laboratory combination
- directed study

DISTANCE LEARNING:

This course may be offered as a distance learning course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.

Yes No

if yes, check all that apply:

- Television Course (Video one-way, e.g. ITV, video cassette, etc.)
- Online Course (Text one-way, e.g. newspaper, correspondence, electronic file, etc.)
- Two-Way Video Conferencing (Two-way interactive video and audio)
- One-Way Video Conferencing (One-way interactive video and two-way interactive audio)
- Computer Assisted Instruction (A specialized form of mediated instruction relying primarily on student access to information and prepared lessons or teaching materials through a computer terminal, but not under immediate supervision of a qualified instructor.)

GRADING POLICY AND STANDARDS (include methods of determining whether the stated objectives have been met by students):

30-100% Web page creation assignments

0-30% Examinations

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

Yes No Number of times course may be taken for credit:

If yes, identify specific provision of Title 5 Division 2 section(s), 55761-55763 and 58161 which qualifies course as repeatable: 58161 (C) (2) (A)

CONTACT PERSON: Steve Perry x2219

SIGNATURES ON FILE