

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 138 - JavaScript

UNIT VALUE: 3

MINIMUM NUMBER OF SEMESTER HOURS: 64

BASIC SKILLS REQUIREMENTS:

ENTRANCE REQUIREMENTS

PREREQUISITE: None

COREQUISITE: None

RECOMMENDED PREPARATION: CSIS 137/ R CSIS 137

SCOPE OF COURSE:

Skills required to design Web-based applications using the JavaScript scripting language such as writing small scripts; working with data types; creating interactive forms using various form objects; and using the advanced features of JavaScript including loops, frames and cookies.

SPECIFIC COURSE OBJECTIVES: The successful student will be able to:

1. Identify the features of JavaScript.
2. Incorporate JavaScript/Jscript into HTML using both Netscape's and Internet Explorer's current and next most recent version.
(e.g. for Fall 2002, at a minimum Netscape 4+, 6+ and Microsoft Internet Explorer 5+, 6+ will be covered)
3. Identify the types of data and operators in JavaScript
4. Incorporate variables in JavaScript.
5. Declare functions and add objects along with their methods and properties in JavaScript.
6. Manage the Events in JavaScript by using Event Handlers.
7. Create interactive HTML Forms by applying the properties and methods of Form objects and Form elements.
8. Implement loops in JavaScript programs.
9. Customize the display of information on a Web page by using the frame tag.
10. Identify how information about the Web page is stored.
11. Identify the functions of the cookie attributes.
12. Identify information provided by the navigator object properties.
13. Create and manipulate cookies.
14. Manipulate strings by using the string object methods

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Data Types and variables
- II. Decisions, Loops, and Functions
- III. Object-based JavaScript
- IV. Programming the Browser
- V. HTML Forms
- VI. Windows and Frames
- VII. String Manipulation
- VIII. Date, Time, and Timers
- IX. Debugging JavaScript
- X. Error Handling
- XI. Cookies

REQUIRED READING:

Wilton, Paul. *Beginning JavaScript*, 1st Ed. Birmingham, UK: Wrox Press Inc, 2000
ISBN: 1861003668

SUGGESTED READING: None

REQUIRED WRITING: None

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.

Outside assignments will include completion of lab work, assigned readings from the text books, and homework problems.

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):

70-100% Programming 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: 1

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:

SIGNATURES ON FILE