

**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 194 – Perl & CGI Scripting

**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 137/ R CSIS 137

**SCOPE OF COURSE:**

This course develops basic competency in the Perl programming language. It focuses on using Perl to developing web-based Internet and Intranet applications. Topics of study include Perl for UNIX, Perl for Win 32, CGI Standards, HTML forms, scalar and array variables, control structures, file I/O, regular expressions, and subroutines.

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

1. Understand the fundamentals of the Perl language
2. Write syntactically and semantically correct Perl programs
3. Utilize CGI and Perl to write dynamic Web applications.
4. Use the CGI.pm perl module to rapidly develop dynamic web pages.

**CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:**

- I. Scalar Data
- II. Lists and Arrays
- III. Subroutines
- IV. Hashes
- V. I/O Basics
- VI. Regular Expressions
- VII. Filehandles and File Tests
- VIII. Directory Operations
- IX. String Manipulation and Sorting
- X. Using the CGI.pm perl module.

**REQUIRED READING:**

Schwartz, Randal, et.al. *Learning Perl*, 3rd Ed. Sebastopol, CA: O'Reilly & Associates, 2001  
ISBN: 0596001320

Stein, Lincoln. *Official Guide to Programming with CGI.pm*, 1st Ed. New York John Wiley & Sons, 1998  
ISBN: 0471247448

**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:

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
--------------------