

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 273 – Java Servlets and JSPs

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 272

SCOPE OF COURSE:

This course provides students with the knowledge and skills necessary to perform server-side Java programming using Servlets and JSPs, HTML form data, Session Tracking, Cookies, JSP scripting elements, including Applets in JSP documents, using JavaBeans with JSP, and creating custom JSP Tag libraries

SPECIFIC COURSE OBJECTIVES:

The successful student will be able to:

1. Describe the Servlet life cycle and the basic structure of Servlets.
2. Handle the GET and POST requests with a single Servlet.
3. Use HTTP request header information.
4. Describe how JSP pages are invoked.
5. Use JSP expressions.
6. Use JavaBeans with JSPs.
7. Integrate Servlets with JSPs and JDBC.
8. Create Custom Tag Libraries.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Handling HTML form data
- II. Session Tracking
- III. Handling Cookies
- IV. JSP scripting elements
- V. Applets in JSP documents
- VI. Using JavaBeans with JSP
- VII. Creating Custom JSP Tag libraries
- VIII. JDBC and Database Connection Pooling

REQUIRED READING:

Hall, Marty. *Core Servlets and JavaServer Pages (JSP)*, 1st Ed. New Jersey: Prentice Hall PTR, 2000

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 x 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:

CONTACT PERSON: Steve Perry x2990

SIGNATURES ON FILE