

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 272 Java Programming for Information Systems

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 or CSIS 117

SCOPE OF COURSE:

An introduction to Java programming with emphasis on the syntax and structure of the Java language. Specific topics will include data types, exception handling, object-oriented programming, multi-threaded programming, event-driven programming, and an introduction to Java Servlets and JSPs. CSU

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

1. Identify the features and basic concepts of the of Java Programming language.
2. Create and use classes, methods, and objects.
3. Demonstrate basic Servlets/JSPs used in web programming.
4. Describe Object-Oriented Programming concepts as they apply to Java.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Data Types and Variables
- II. Java Calculations
- III. Looping Constructs
- IV. Defining Classes and Methods
- V. Object-Oriented Java
- VI. Handling Exceptions
- VII. Using Applets in Web Page
- VIII. Windows and Frames
- IX. String Manipulation
- X. Date, Time Utilities
- XI. Servlets and JSPs

REQUIRED READING:

Horton, Ivor. *Beginning Java 2 - JDK 1.3 Edition*, 1st Ed. Birmingham, UK: Wrox Press Inc, 2000
 Hall, Marty. *Core Servlets and JavaServer Pages*, 1st Ed. Prentice Hall, 2000

SUGGESTED READING: None

REQUIRED WRITING: Student will write Java programs

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
