

**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 294 – Enterprise JavaBeans and J2EE

**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 273

**SCOPE OF COURSE:**

This course provides students with the knowledge and skills necessary to code and deploy Enterprise JavaBeans (EJBs), how to use JDBC with EJBs, Servlets and EJBs working together and the Java Naming and Directory Interface (JNDI).

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

1. Describe the Java 2 Platform (J2EE)
2. Describe the components of an Enterprise JavaBean
3. Develop and deploy a Session Bean
4. Develop and deploy an Entity Bean
5. Describe and use the Java Naming and Directory Interface (JNDI)

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

- I. The J2EE Platform
- II. Enterprise JavaBeans
- III. Session Beans
- IV. Entity Beans
- V. How to use JDBC with EJBs
- VI. Use Servlets with EJBs
- VII. Understanding the Java Naming and Directory Interface (JNDI)

**REQUIRED READING:**

Romanby, Ed., et.al *Mastering Enterprise JavaBeans and the Java 2 Platform, Enterprise Edition*, 1st Ed.  
New York John Wiley & Sons, 1999

**SUGGESTED READING:** None

**REQUIRED WRITING:** Student will write Java EJB 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  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**