El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA   **Information Technology Systems**

COURSE RUBRIC AND NUMBER   **ITSE 2317**

COURSE TITLE   **Java Programming**

COURSE CREDIT HOURS   **3**   **3**   :   **1**
                                                    Credits   **Lec**   **Lab**

I.   Catalog Description

Provides an introduction to object-oriented Java programming including the fundamental syntax and semantics of Java for applications and web applets. **Prerequisite: ITSE1329. (3:1).**

II.   Course Objectives

Upon satisfactory completion of this course, the student will be able to

A.   Explain the concepts of platform independent programming and the Java Virtual Machine.

B.   Differentiate between various Java data types

C.   Design Java programs using object oriented programming techniques.

D.   Create Java classes and objects.

E.   Use the Java class library.

F.   Program in Java using loops and decisions.

G.   Use arrays in Java.

H.   Write programs that use simple graphic design elements.

I.   Manipulate graphic elements using the graphics coordinate system.

J.   Apply event-driven programming techniques.

K.   Write to an Application Programming Interface (API).

L.   Develop user interfaces using the Abstract Windowing Toolkit (AWT).

M.   Create data structures.

N.   Demonstrate the use of stream I/O.

III.   THECB Learning Outcomes (WECM)

Design and write documented Java applications and applets.

IV.   **Evaluation**

Grading Scale

Final grades will be based on points earned by completing 7 projects, 1 comprehensive design project, 4 written examinations, and 4 performance examinations.
Points to be earned are:

7 projects @ 50 points each	350
1 comprehensive design project	100
8 in-term tests (4 written, 4 performance) @ 50 points each	400

Total Points	850

Letter grades will be assigned as follows:

90 - 100% of total points	A
80 - 89	B
70 - 79	C
60 - 69	D
below 60	F

V.   **Disability Statement (Americans with/Disabilities Act [ADA])**

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

VI.   **6 Drop Rule**

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.

VII.   **Title IX and Sex Discrimination**

Title 9 (20 U.S.C. 1681 & 34 C.F.R. Part 106) states the following "No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity receiving Federal financial assistance." The Violence Against Women Act (VAWA) prohibits stalking, date violence, sexual violence, and domestic violence for all students, employees and visitors (male and female). If you have any concerns related to discrimination, harassment, or assault (of any type) you can contact the Assistant to the Vice President for Student and Enrollment Services at 915-831-2655. Employees can call the Manager of Employee Relations at 915-831-6458. Reports of sexual assault/violence may also be reported to EPCC Police at 915-831-2200.