El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA	**Information Technology Systems**
COURSE RUBRIC AND NUMBER	**ITSE 1350**
COURSE TITLE	**Systems Analysis and Design**
COURSE CREDIT HOURS	**3 3 : 1**
	Credits Lec Lab

I.   Catalog Description

Offers an introduction to the planning, design, and construction of computer information systems using the systems development life cycle and other appropriate design tools. **Prerequisite: ITSE 1329. (3:1). Lab fee.**

II.   Course Objectives

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

A. Describe and define the various aspects of a business system.
B. Present an overview of the five phases of the Systems Life Cycle.
C. Describe the job functions of a systems analyst.
D. Use research tools to include Internet and technical manuals and resources.
E. Prepare various reports including a preliminary investigation report, data flow diagrams (DFD) that represent an existing system, and a preliminary design document.
F. Practice good group communication skills.
G.   Distinguish between top-down and bottom-up design.
H. Create comprehensive system tests.
I. Practice good oral and written communication skills.
J. Plan methodology for system implementation, including security
K. Plan methodology for training.
L. Identify the key elements of Project Management.
M. Identify and explain the main tasks involved in managing projects such as the initiation, the planning, the monitoring, and the closing of projects.
N. Use Project Management software tools to manage a project.
O. Utilize different operating systems.
P. Identify and follow disaster and recovery security protocol.

III.   THECB Learning Outcomes (WECM)

1. Use system design tools.
2. Identify phases of the system design life cycle.
3. Develop a prototype.
4. Compare and contrast project management tools.
5. Develop documentation for the system life cycle.

IV. Evaluation

A. Pre-Assessment

None

B. Points will be given for the coursework and exams that are made available during the course. The type of coursework and number of exams as well as the point value of each will be determined by the instructor.

C. Post-Assessment. The final grade will be determined by the percentage obtained by dividing the total number of points earned by the student by the total number of points made available through the course of the semester.

Percentage   Letter Grade

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90 - 100 = A
80 - 89  = B
70 - 79  = C
60 - 69  = D
0 - 59   = F
Incomplete      = I
Withdraw        = W
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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.