

El Paso Community College

Syllabus

Part II

Official Course Description

SUBJECT AREA	<u>Computer Science</u>						
COURSE RUBRIC AND NUMBER	<u>COSC 1301</u>						
COURSE TITLE	<u>Introduction to Computer and Information Sciences</u>						
COURSE CREDIT HOURS	<table style="width: 100%; border-collapse: collapse; margin: 0 auto;"> <tr> <td style="width: 33%; text-align: center;"><u>3</u></td> <td style="width: 33%; text-align: center;"><u>3</u></td> <td style="width: 33%; text-align: center;"><u>1</u></td> </tr> <tr> <td style="text-align: center;">Credits</td> <td style="text-align: center;">Lec</td> <td style="text-align: center;">Lab</td> </tr> </table>	<u>3</u>	<u>3</u>	<u>1</u>	Credits	Lec	Lab
<u>3</u>	<u>3</u>	<u>1</u>					
Credits	Lec	Lab					

I. Catalog Description

Presents an overview of computer information systems. Introduces computer hardware, software, procedures, systems, and human resources and explores their integration and application in business and other segments of society. Discusses and applies the fundamentals of computer problem-solving and programming in a higher level programming language. NOTE: A grade of "C" or better is required in this course to transfer to a university. (3:1).

II. Course Objectives

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

- A. Describe how information systems aid in business.
- B. Describe the hardware and software components of a system.
- C. Organize Data and Information.
- D. Discuss the use of Internet, intranets, and extranets.
- E. Describe Electronic Commerce and Transaction Processing Systems.
- F. Discuss the use of information and Decision Support Systems.
- G. Describe specialized business information systems.
- H. Discuss the process involved in systems development.
- I. Discuss security, privacy, and ethical issues in information systems and the Internet.
- J. Perform basic programming functions using Structured Query Language.

III. THECB Learning Outcomes (ACGM)

Upon successful completion of this course, students will:

1. Describe the fundamentals of computing infrastructure components: hardware, application software, operating systems, and data communications systems.
2. Delineate and discuss societal issues related to computing, including the guiding principles of professional and ethical behavior.
3. Demonstrate the ability to create and use documents, spreadsheets, presentations and databases in order to communicate and store information as well as to support problem solving.
4. Describe the need and ways to maintain security in a computing environment.

IV. Evaluation

A. Preassessment

None

B. Postassessment

This course will contain lab assignments and exams. The instructor will determine the mix of lab assignments and exams to arrive at a grade as described in the Instructor Requirements document.

C. Remediation

The instructor may provide the students with means of improving a grade. The instructor will determine the timing, form, and method of remediation

D. Final Grade

The final grade report will be based on the percentage of the total points earned.

90-100	=A
80-89.99	=B
70-79.99	=C
60-69.99	=D
0 -59.99	=F
Incomplete	=I
Withdraw	=W

V. Disability Statement (American 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.