El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA   **Industrial Manufacturing**

COURSE RUBRIC AND NUMBER   **INMT 1370**

COURSE TITLE   **Introduction to Computer for Industrial Applications**

COURSE CREDIT HOURS   **3   2   :   2**
                                                     Credits   Lec   Lab

I.   Catalog Description

Provides an overview of basic computer hardware and software used in the industrial and manufacturing fields. Introduces hardware, software, systems and procedures used in plant automation and industrial maintenance. Explores the use of computer systems by technicians in manufacturing operations. Introduces basic maintenance and troubleshooting of hardware and software in the manufacturing environment. **(2:2). Lab fee.**

II.   Course Objectives

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

A. Identify the internal components and functions of a computer
B. Identify DOS and discuss the purpose of DOS commands
C. Load operating systems into computers
D. Identify the boot sequence for any computer
E. Discuss the principles of cloning
F. Discuss the purpose of communication platforms
G. Install drivers for industrial applications
H. Troubleshoot software, hardware, and the settings for them
I.   Create links between computer and industrial equipment such as electronics, robotics, electricity, and industrial manufacturing
J.   Demonstrate basic Microsoft Office skills

III.   THECB Learning Outcomes (WECM)

Learning outcomes/objectives are determined by local occupational need and business and industry trends.

IV.   Evaluation

The knowledge and skills stated in the objectives must be demonstrated by the students in the form of test and lab assignments in order to complete the course. Performance tests and lab assignments will be weighed as follows:

Performance Tests   40% of final grade

Lab Assignments	40% of final grade
Classroom Participation	20% of final grade
Total	100%

Grading Scale:

90-100	A
80-89	B
70-79	C
60-69	D
0-59	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.