El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA TITLE   **Information Technology Systems**

COURSE RUBRIC AND NUMBER   **ITSE 2349**

COURSE TITLE   **Advanced Visual BASIC Programming**

COURSE CREDIT HOURS   <u>   3   </u>   <u>   3   :</u>   <u>   1   </u>
                                                 Credits   **Lec**   **Lab**

I.   Catalog Description

Offers an advanced Visual Basic programming including file access methods, data structures and modular programming, program testing and documentation. **Prerequisite: ITSE 1329. (3:1).**

II.   Course Objectives

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

A.   Use data control and data-bound controls for file maintenance
B.   Write a database application using the DBGrid control.
C.   Use Drag-and-Drop Terminology, Example, and Multiple Objects
D.   Use Graphics Methods and Graphic Controls
E.   Create object-oriented programs
F.   Create sequential and random data files.
G.   Use read, write, add, delete, and edit operations in a random file.
H.   Use ActiveX, Dynamic Link Libraries, Object Linking and Embedding, and Multiple Document Interface.

III.   THECB Learning Outcomes (WECM)
1.   Design and write Visual Basic programs containing data structures and input/output file handling.
2.   Develop graphical user interfaces.
3.   Integrate external programs and libraries with Visual Basic applications.

IV.   Evaluation

A.   Grading Criteria

There will be eight (8) computer projects. There will also be four (4) exams, which will include either a written section or a performance section. Late exam or project grades will be reduced by 20 percent.

B.   Pre-assessment.
Instructors will check each student's prerequisites the first week of class; those who do not qualify should be sent back to Admissions

C.   Post-assessment.
The instructor will maintain a continuous record of each student's progress on an institutionally approved grade sheet or computerized substitute. All instructors will keep
records in such a way that information would be clear to a second party having to check grade computation in special cases. An explanatory legend should be provided on the grade sheet.

Revised by Discipline: Fall 2015 (next revision in 3 years)

D.   Remediation

At the instructor's discretion, students may be allowed to retake a test for higher maximum grade of 60. Students seeking additional help may obtain tutoring assistance from the Tutoring Center at any campus.

Grading Scale

Total Points	Percentage	Grade
540 - 600	90 - 100	A
480 - 539	80 - 89	B
420 - 479	70 - 79	C
360 - 419	60 - 69	D
0 - 359	0 - 59	F

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.

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