

# El Paso Community College

## Syllabus

### Part II

## Official Course Description

<b>SUBJECT AREA TITLE</b>	<u>Information Technology Systems</u>
<b>COURSE RUBRIC AND NUMBER</b>	<u>ITSE 2349</u>
<b>COURSE TITLE</b>	<u>Advanced Visual BASIC Programming</u>
<b>COURSE CREDIT HOURS</b>	<u>3                      3 :                      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.

**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.