



CPT 272 - Advanced Microcomputer Database A5Y

Information Systems Technology

Semester: Spring 2010

Catalog Course Description:	This course emphasizes accessing databases using advanced concepts in microcomputer database application software. Techniques include SQL, application generators and database programming to generate various applications.
Prerequisite(s):	CPT 101 or CPT 104 or CPT 170
Credit Hours:	3
Departmental Website:	http://www.midlandstech.edu/edu/ed/ISM/default.html
WebCT Login Page:	N/A
Instructor:	John E. Sukovich
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Departmental Assistant:	Kristine Ray (803) 738-7776 rayk@midlandstech.edu
Department Chair:	Bruce Martin (803) 738-7776
Program Coordinator:	Bruce Martin (803) 790-7505
Class Schedule(s):	M 6:00 – 7:25 p.m., Congaree 116
Office Hours:	MW 10:00 - 11:00 & 12:45 – 2:00 pm CO 135 Airport; TTh 10:00 - 11:00 & 12:45 – 2:00 pm RH 139A Beltline
Textbook(s):	<u>New Perspectives on Microsoft Office Access 2003 with Visual Basic for Applications, Advanced.</u> By Anthony D. Briggs. Course Technology, c.2005. ISBN: 0-619-20673-X.
Additional Textbooks/Readings:	N/A
Equipment:	1 flash drive, minimum 1 gb capacity recommended.

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

1. Demonstrate an understanding of advanced features of MS Access 2007.
2. Demonstrate an understanding of object- and event-driven coding within MS Access 2007.
Demonstrate an understanding of variables, constants, data types, and functions.
4. Navigate and utilize the Visual Basic editor to create procedures.
5. Design, construct, and document a database utilizing MS Access 2007 with VBA.

Course Outcomes and Competencies:

Intended Course Outcome: Students will demonstrate knowledge and skills in database management.

Course Competency: Upon successful completion of this course, the student will be able to utilize the advanced features of a microcomputer database.

Performance Measurement Instrument: Students will complete a standardized project involving utilization of Visual Basic for Applications within MS Access 2007. The project will be evaluated on a standard rubric. The success criterion is 80% of the students will score 80% of the maximum number of points on the rubric.

Course Attendance: Attendance will be taken each class meeting or online discussion. Participants are expected to be prompt and remain in class throughout the entire class period. The department policy will apply: the number of absences allowed is twice the number of times the course meets per week. Three (3) marks of tardy will count as one absence.

Attendance at class sessions and tests is required. Any changes in this policy must be agreed upon in writing.

Please note: You are responsible for all material and announcements presented, whether you are present or absent.

Withdrawal: Should the maximum allowable absences be exceeded prior to midterm, a "W" will be submitted to the registrar to be recorded on the student's transcript. Should the maximum allowable absences be exceeded after midterm, a "W" will be submitted to the registrar if the student was passing the course at the time of withdrawal OR a "WF" will be submitted if the student was failing the course at the time of withdrawal.

Course Requirements: *Lab assignments and exercises:* Lab assignments and exercises are assigned to develop skills and to gain exercise in applying those skills to various situations. They will not be graded. However, they must be completed and turned in no later than 1 week past the assigned date.

Lab assignments: 1 point penalty for each class session late.

Exercises: 1 point penalty for each class session late.

Due to the busy semester, homework in the study center labs or on a home personal computer will be required to complete lab assignments. All assigned work must be completed and submitted to the instructor by the last class session of the semester. Note: This outline is a guide to the semester's activities and may be adjusted according to class needs. Fewer tests may be given, in which case grade computation will be adjusted accordingly.

Course Grading:

Tests: 4 tests @ 100 points each, plus possible bonus points and/or extra credit. These tests will measure achieved skills in software covered in the course and will count toward the final grade.

Project – 1 project at 100 points, contributing to the final grade.

Extra credit – As assigned or arranged with the instructor.

***** Make-up tests:** All make-up tests must be completed within 1 class session of the scheduled date to avoid a point reduction penalty. Make-up tests are discouraged by the IST Department and will be administered on a case-by-case basis. Repeatedly missing test dates will result in a significant point reduction. The course project will NOT be accepted after the date and time due.

The student’s final grade will be determined by the total points earned divided by the total possible points; i.e., 470 or more points earned out of 500 possible = 94% = A; 435 points earned = 87% = B; 390 points earned = 78% = C.

Grading Scale:

94-100	A	Superior work
87-93	B	Good Word
78-86	C	Average Work
0-78	F	Unsatisfactory Work

***** Note:** The instructor will NOT drop the lowest test or project score when computing the final grade for the course

Classroom Rules/Other:

College policies as outlined in the Student Handbook will be followed regarding student demeanor. Courtesy and consideration of others will be expected. Cell phones, beepers, and other communications devices must be turned off for the duration of the class.

Students may not communicate with each other or anyone else either in person or by any communication device during a test, quiz, or examination. Students may not leave the class during a quiz, test, or examination without the explicit permission of the instructor. Failure to comply with these guidelines may result in automatic failure of the test. Repeated offenses may result in dismissal from the course and failure for the semester.

Course Topic Outline/Course Calendar with Assignments: See attached.

PLEASE NOTE: Should change become necessary, the instructor reserves the right to adjust the requirements, pace, or scheduling of this course. Any change will be announced in class before it becomes effective.