



CPT-115 COBOL Programming I

Information Systems Technology Department

Semester: Spring 2010

Catalog Course Description: This course introduces the nature and use of the common business oriented language-COBOL .
Prerequisite(s): RDG 100 and MAT 100 or MAT 039
Credit Hours: 3.0

Departmental Website: <http://www.midlandstech.edu/edu/ed/ISM/CPT/>

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Department Chair: Bruce Martin
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Class Schedule(s): CPT-115-B61, Tuesday/Thursday, 6:00PM – 7:25PM, LB123

Office Hours: Mon/Wed – 2:15pm – 4:15pm
Tue/Thu – 4:00pm – 5:00pm
Fri – 9:00am – 11:00am

Textbook(s): **Murach's Mainframe COBOL**, by: Murach, Prince, and Menendez.
Murach Publishers. ISBN#: 1-890774-24-3.



Equipment: A flash drive to save programs is recommended

General Education Core Competency Statement This course is designed to meet the college's general education core competency for:
Computer Literacy – Graduates should possess the computer skills to locate, retrieve, and synthesize data to create a document or presentation appropriate to the area of study.

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

1. Communicate an understanding of basic operations and control structures of the COBOL programming language .
2. Write simple, intermediate, and complex COBOL programs using, but not limited to the following:
 - A. Structured Design
 - B. Arithmetic, logical, and relational operations
 - C. Control structures (IF then ELSE, Evaluate, Perform Until)
 - D. Table handling
 - E. File handling

Course Outcomes and Competencies:

Intended Course Outcome #1: Students will be able to demonstrate an understanding of basic operations and control structures..

Course Competency: Students will be able to communicate an understanding of basic operations and control structures of the COBOL programming language.

Performance Measurement Instrument: A final examination developed by Information Systems faculty based on the course learning objectives will be administered each semester. .

Intended Course Outcome #2: Students will be able to successfully design, code, compile and run a COBOL program using the following: control structures, arithmetic, logical, or relational operators, subroutines, creation and use of tables.

Course Competency: Students will be able to write simple, intermediate, and complex COBOL programs using, but not limited to the following:

- A. Structured Design
- B. Arithmetic, logical, and relational operations
- C. Control structures (IF then ELSE, Evaluate, Perform Until)
- D. Table handling
- E. File handling.

Performance Measurement Instrument: Students will be evaluated on graded homework programming assignments.

Course Attendance: Students are expected to attend all class sessions and are responsible for class work, homework, lecture notes, reading assignments, etc., regardless if you are present or not. Record keeping for attendance purposes will begin the first day the class meets.

Students may not miss more than twice the number of days the class meets per week. After exceeding this limit, the instructor may take extenuating circumstances (e.g. withdrawing student from course).

There is no such thing as an **EXCUSED ABSENCE**. On certain occasions, circumstances may arise such as illness, personal issues, or transportation problems that prevent you from attending class. In such cases, the maximum number of absences (regardless of the reason) is still twice the number of meeting times per week. If a student must be absent, it is the student's responsibility to notify the instructor as quickly as possible of the absence and complete missed assignments as a result of the absence at the instructor's discretion.

Please note the following: 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: Projects and other homework must be submitted on the date due in order to receive credit for correct work. Personal computer and Internet problems are not an excuse for late work – if you start your homework early, you can always use the ASC to complete assignments in case of personal computer difficulties. Students should save all electronic messages sent to an instructor, copies of all submitted material, and all returned work until the course grade is posted.

It is the responsibility of each student to be present in class. If a student must miss class during a scheduled exam they should contact the instructor prior to the start of the class period. If a student has made contact with the instructor, the student will be allowed to take the exam in the testing center the following week.

Course Grading:

Class Participation	10%
4 Programming Assignments	40%
3 Exams	30%
Final Exam	20%

Grading Scale:

94-100	A	Superior Work
87-93	B	Good Work
78-86	C	Average Work
0-77	F	Unsatisfactory Work

Classroom Rules/Other:

1. Students are expected to participate in all class discussions. Any disruptive behavior will not be tolerated. Class participation will be calculated in the final grade.
2. No incomplete grades will be given.
3. Everyone must take the final exam.
4. All projects or programs must be turned in on or before the due date. If you are unable to meet a due date it is your responsibility to contact the instructor prior to the due date. If contact is made an extension may be granted for 1 additional week. There will be a 10 point deduction in these cases. Projects not turned in after the extension will receive a 0.

Students are expected to read the student handbook and abide by its policies. Copies of the handbook may be obtained at various locations on campus and is located on the web:

<http://www.midlandstech.edu/planner/>

Academic Dishonesty: The Student Code addresses what constitutes academic dishonesty. All forms of dishonesty including, but not limited to, cheating on tests, plagiarism, collusion and falsification, will call for discipline.

CHEATING ON TESTS includes:

- Copying from another student's paper.
- Using materials during a test not authorized by the person giving the test.
- Collaborating with any other person during a test without permission.
- Knowingly obtaining, using, buying, selling, transporting, or soliciting in whole or part the contents of any un-administered test.
- Bribing any other person to obtain information about tests.
- Substituting for another student, or permitting another student to substitute for one self.

PLAGIARISM is the appropriation of any other person's work and unacknowledged incorporation of that work in one's own work offered for credit.

Campus Emergency Protocol: Students and employees are asked to report safety concerns or suspicious activities to Campus Security at 7199 (on campus) or 738-7199 (cell phone or off campus). In the event of an emergency, employees and/or students should immediately call Campus Security or local 911. If an emergency occurs, the college will use a variety of methods to communicate additional information and instructions including the MTC Information Centers, campus loud speakers, MTC Alerts! (http://www.midlandstech.edu/Phone_Alert.htm), voice mail, email, college Intranet, and the MTC website homepage.

Inclement Weather Policy: In the event weather conditions or other emergencies cause the closing or a delayed start of Midlands Technical College, announcements will be made over local radio and TV stations, on the MTC Web site, and on the college's information line (803-738-8234). Notices will be sent to students via Campus Cruiser Mail when applicable. Separate announcements may be made for day and evening classes as weather conditions change during the day. If the college closing or reopening means that there is at least 30 minutes of a class remaining, plan to attend that class. For example, if the college opens at 10:00 a.m. in TTH, classes that normally meet at 8:00 a.m. will not meet, but classes beginning at 9:30 a.m. will meet. If the college closes at 8:00 p.m., 6:00 p.m. classes will meet for their regular time, but 7:35 p.m. classes will not meet since there are fewer than 30 minutes remaining in class.

Student E-Mail Accounts: All MTC students are assigned a college e-mail account upon admission to the college. This account is called "Campus Cruiser Mail." Campus Cruiser Mail is the primary mode by which the college communicates with students. Students are responsible for checking their college e-mail on a regular basis for important information and announcements about registration, financial aid, cancelled classes, emergency announcements and other notices. Students can use their college e-mail accounts to communicate with faculty, staff, fellow students, and others, in support of their educational pursuits. In addition to e-mail, students will also have access to maintaining personal calendars and "tasks lists" through their Campus Cruiser e-mail account.

Student Evaluation of Instruction: Students have the opportunity to evaluate this course. The confidential evaluation process is conducted through MTC Online using the individual student's username and password. Announcements will be made during the term concerning how and when to complete the online evaluation. Students are encouraged to participate in this process.

Students Requiring Special Accommodations: If special accommodations are needed for a student with a disability, the student should go to Counseling Services on Beltline or Airport Campus for assistance. Documentation regarding a specific disability is required in order for special arrangements to be made. Confidentiality of information received will be maintained.

Course Topic Outline/Course Calendar with Assignments:

	Topic	Assignments Due
January 12	Course Introduction / Desire 2 Learn	
January 14	Structured Design	
January 19	Structured Design	
January 21	Chapter 1 – Introduction to COBOL Programming	
January 26	Chapter 2 – How to compile, test, and debug	Program 1 Assigned
January 28	Chapter 3 – How to write a program that produces a report	
February 2	Chapter 4 – How to design, code, and test a structured program Chapter 6 – Elementary Numeric Editing Chapter 7 – Arithmetic Statements	Program 2 Assigned
February 4		
February 9	Test 1	Program 1 Due
February 11	Chapter 5 – How to use COBOL features for structured coding	
February 16		
February 18		
February 23	Chapter 6 – Other ways to define, move, and initialize	Program 3 Assigned
February 25		Program 2 Due
March 2		
March 4	Test 2	
March 9	COLLEGE CLOSED – Spring Break	
March 11	COLLEGE CLOSED – Spring Break	
March 16	Chapter 7 – How to use arithmetic statements and intrinsic functions	Program 3 Due
March 18		Program 4 Assigned
March 23		
March 25	Chapter 8 – How to work with dates	
March 30		
April 1		
April 6	Chapter 9 – How to work with characters	
April 8		
April 13		Program 4 Due
April 15	Chapter 10 – How to work with tables	
April 20		
April 22		
April 29	FINAL EXAM – 6:00 PM – 8:00 PM	May Change

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.