

COURSE INFORMATION

COURSE PREFIX/NO:	CPT 115
COURSE TITLE:	COBOL Programming I
LEC HRS/WEEK:	3.0
LAB HRS/WEEK:	0.0
CREDIT HRS/SEMESTER:	3.0

[DISTANCE LEARNING ATTENDANCE/VA STATEMENT](#) [TEXTBOOK INFORMATION](#)

COURSE DESCRIPTION

This course introduces the nature and use of the common business oriented language -- COBOL.

COURSE COMPETENCIES

Upon successful completion of the course, the student should be competent in performing the following tasks:

Module 1 - Introduction to COBOL

- Students will demonstrate their knowledge of flowcharting and program design.

Module 2 – Input and Output

- Design and implement COBOL programs that require input, output and interactive dialogs.
- Create a structure chart of the program solution.
- Create a program flowchart and module flowcharts of a solution.
- Write a program based on the solution.
- Key, compile, run and debug the programs.

Module 3 - Printed Reports

- Design and implement COBOL programs that produce printed reports.
- Create a structure chart of the program solution.
- Create a program flowchart and module flowcharts of a solution.
- Write a program based on the solution.
- Key, compile, run and debug the programs.

Module 4 - Data Validation

- Design and implement COBOL programs that are capable of validating data.
- Create a structure chart of the program solution.
- Create a program flowchart and module flowcharts of a solution.
- Write a program based on the solution.
- Key, compile, run and debug the programs.

Module 5 - Arithmetic Statements

- Design and implement COBOL programs that require the use of arithmetic statements.
- Create a structure chart of the program solution.
- Create a program flowchart and module flowcharts of a solution.
- Write a program based on the solution.
- Key, compile, run and debug the programs.

MINIMUM STANDARDS

A minimum grade of C is required for students in computer technology programs. Students who do not turn in an assignment on time will be given a grade of 0 for that assignment.

A student may exempt a module by scoring at least 90% on a written examination and all associated programming assignments.

GRADING PROCEDURES:

A minimum of three tests will be given and three programming assignments will be given as well as several homework exercises and quizzes.

	Module 1	Module 2	Module 3	Module 4	Module 5
Tests (minimum of one)	50%	40%	40%	40%	40%
Programs (minimum of one)	50%	40%	40%	40%	40%
Quizzes and other assignments		20%	20%	20%	20%
Percent of final grade	20%	20%	20%	20%	20%

The grading scale is as follows:

A = 90-100

B = 80-89

C = 70-79

D = 60-69

F = Below 60

COURSE REQUIREMENTS:

All students are responsible for attaining competencies through completion of the following course requirements:

- attending class
- reading assigned material
- completing assigned exercises
- completing assigned programs
- completing all unit tests

ACADEMIC INTEGRITY

The policies stated in the York Technical College Handbook will be enforced. Any student violating the policy will be subject to academic discipline.

ATTENDANCE POLICY

The attendance policy as stated in the student handbook will be enforced. Attendance is required on test days. Make-up tests will not be given for any reason. A grade of zero will be given for any missed tests. You may replace one test score with an optional final exam.

ENTRY-LEVEL SKILL

A student entering this course should be familiar with structured programming concepts, the Windows operating system and have adequate flowcharting skills.

PREREQUISITES

CPT 114 and CPT 168

CO-REQUISITES

None

METHOD OF INSTRUCTION

The instructor will discuss the principles introduced in each unit and demonstrate the methods described there. Exercises and programming assignments will be assigned to reinforce these principles. Solutions will be discussed in class so that students may see if they solved exercises correctly. Should a student need additional assistance, instructors will be available during their posted office hours and by appointment.