CSCI 175: Intermediate COBOL (II) (4 credits)

Course Description

This course is an introduction to the COBOL programming language. It will use structured design and top-down testing. The programming projects assigned will be business-oriented in nature. Students will write appropriate program documentation and adhere to rigid programming standards.

Instructor information

Instructor: Jeffory Watne
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Text and References

Text Title: "Structured COBOL Programming" 2nd edition
Text Author: Shelly Cashman Foreman
Publisher: Course Technology -- Cengage Learning
Copyright: 2000

Students will need a 3-ring binder and flashdrive.

Course Goals

The following goals will be addressed in the course:

1. Define a one-dimensional non-embedded table
2. Explain an inspect tallying statement
3. Identify the purpose of an SD entry
4. Code search all statement
5. Code a search statement
6. Describe the difference3s between posted and unmatched transactions
7. Load a non-embedded table
8. Code an inspect tallying statement
9. Define a one-dimensional embedded table
10. Identify the function of a merge statement
11. Explain the return statement
12. Explain the release statement
13. Describe the output procedure
14. Describe the input procedure
15. Code a COBOL sort
16. Differentiate between subscript and an index
17. Understand the function of a transaction file
18. Explain the creation of a new version or generation of a sequential file
19. Explain file matching update logic for a sequential file
20. Explain the use of a multiple-performed paragraph

21. Understand the function of a rewrite statement
22. Define a multi-dimensional table
23. Identify a duplicate transaction
24. Code an inspect replacing statement
25. Understand sequential file maintenance
26. Differentiate between single-level and multiple-level control breaks
27. Understand the logic required for control break processing
28. Identify the function of the copy statement
29. Describe how to manipulate data with an intrinsic function
30. Understand the function of an unstring statement
31. Code inspect converting statement
32. Describe an unmatched master record

Student contributions

Each student will spend at least 6 hours per week preparing for class. Attendance in lecture and lab is critical in this class. If you need special assistance in order to participate in this class, please consult with the instructor as soon as possible.

Course Evaluation

Each test, assignment and quiz is assigned a specified number of points. The points achieved by you are totaled. The number of points possible is then divided into your total, giving a percentage. The percentage is then converted into a letter grade based upon the following scale:

90% - 100%	**=**	**A**
80% - 89%	**=**	**B**
70% - 79%	**=**	**C**
60% - 69%	**=**	**D**
Below 60%	**=**	**F**

Late assignments may not be accepted. Point deductions will be taken on accepted late work. If you have a good reason for missing class, it is to your advantage to contact me as soon as possible.

Cheating will not be tolerated. Cheating on any assignment, quiz, or test may result in, but is not limited to, a zero on that assignment, quiz or test, and F in the class and/or suspension or expulsion from NDSCS.

I will expect you to conduct yourself in a professional manner. Part of the mission of NDSCS is to prepare you to succeed in a working environment. One of the best ways to prepare for that environment is to develop professional habits now.

Please do not display any text, graphs, or pictures that you would not want your mother, father, sister, brother, grandmother, grandfather, husband, wife, children, preacher, priest, rabbi to see.

Revised 09/12/2012