CS 201 / 01 COBOL PROGRAMMING (2)
Spring 2002

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Instructor: Mr. Husain Gholoom

Class Time: Sat Mon Wen : from 10:00 - 12:00 am

Office Hours: Sat , Mon & Wen : from 9:00 - 9:50 am **OR by appointment**

OR by email : husaingholoom@yahoo.com

Text book: **Structured Cobol Programming** (**9th** Edition By Stern & Stern) ***OR***
COBOL For The 21st Century (**11th** Edition By Stern & Stern & Ley)

Grading Policy:

Two Midterm Exams	30 %
Project or Lab Exam	5 %
Quizzes	5 %
Programs / Homework	10 %
Final Exam (Comprehensive)	50 %

Grading Scale:

There are **two different Grading Scales.** One scale for before 2005 semesters, and the other scale for 2005 and above semesters. **Check the Grading Scales attached**.

Course Policies

1) You are responsible for reading all of the assigned chapters. I recommend that you read them before class so that you will be able to ask questions during the class.

2) **Homework** will be assigned on occasions from the textbook or via handouts. This is used in order to encourage reading.

3) There will be **several programming assignments using Cobol** language. Programming assignments are to be done **individually**, unless the assignment specifies otherwise. It is the violation of the Academic Honor Code to take credit for code written by another person. See the student handbook for the penalties for violations of the Honor Code .

4) All **assignments** and **programs** are **due by 08:10 a.m.** on the assigned date. **Programming assignments must be running to receive credit**. **Late** assignments will **lose 30%** if given late at the same due date. **Note:** the assignment or programs will **NOT** be accepted at all after the due date.

5) **Short quizzes** will be assigned to check up on reading and Programming assignments. **NO Makeup Exams will be given** for missed quizzes.

6) There will be two Midterms (E1, E2), one practical 'LAB' exam (E3) or project. **NO Makeup Exams will be given**.

7) **Attendance** at all class meeting is expected and will be recorded. Attendance and participation will have a strong indirect effect on your grade for the course. You are responsible for all information explained in the class, some of which may not be available in written form. I **will not** feel obligated to repeat announcements of homework, future quizzes, exams, assignments, schedule changes, or hint on programming assignments. If you are forced to miss a class, it is also your responsibility to get good class notes from a friend and check with me for handouts. **DO NOT** skip a class in order to work on an assignment or a program. That will cause you to get further behind.

8) Please advise me at your earliest convenience (minimum 1 week) if you have a disability that will require a reasonable accommodation for the successful completion of this course.

9) If you are experiencing difficulty or are concerned about your progress, please speak with me immediately

COURSE OUTLINE

UNIT II DESIGNING STRUCTURED PROGRANS

Chapter 8 **Decision Making** Using **IF** and **EVALUATE** Statements.
Chapter 9 **Iteration** : Beyond The Basic **PERFORM**.

- **PERFORM .. UNTIL**
- **PERFORM .. TIMES**.
- **PERFORM .. VARYING**.

UNIT III WRITING HIGH-LEVEL COCBOL PROGRAM

Chapter 10 Control Break Processing.

- **Types of Reports (Detailed, Exception, Summary).**
- **Single-Level Control Break (Break Report, Printing a Final Total, Starting New Page After Each Control Break .. etc.).**
- **Multiple-Level Control Break.**

Chapter 11 Data Validation Techniques.

- **Avoiding Logic Errors By Validating Input (Validation Techniques).**
- **What To DO If Input Errors Occur (Stop the Run, Print an Error Record, Continue Process or By Pass the Erroneous Records .. etc) .**
- **When Data Should Be Validated.**

UNIT IV ARRAY PROCESSING AND TABLE HANDLING

Chapter 12 Single-Level Arrays and Tables.

- **Single-Level OCCURS Clauses.**
- **Processing Data Stored in an Array.**
- **Using an OCCURS Clause For Table Handling.**
- **The Use Of SEARCH Statement For Table And Array Processing.**
- **The SEARCH .. VARYING and The SEARCH ALL Statements**