

The CSCI 465/680-J9 Midterm Exam will be a combination of true/false questions, multiple choice questions, short answer questions and/or long answer questions worth a total of 100 points.

The questions will all be made up primarily of material from Assignments 1 through 5 and lectures but some may also come from documents in the Course Documents and Slides and Notes sections of Blackboard and applicable material in the Murach textbooks. Also, study the two quiz study guides and keys.

- Know the JCL covered in class and on assignments.
- Know how to allocate a PDSE .
- Know how to set up a JOB card .
- Know how to set up an EXEC card .
- Know how to set up a DD card .
- Know the high level Assembler module's name and how to write an Assembler JCL step .
- Know the COBOL compiler module's name and how to write a COBOL compiler JCL step .
- Know the Binder's name and how to write a Binder JCL step .
- Know how to use IEFBR14 .
- Know how to use the COND parameter in JCL.
- Know the four divisions of a COBOL program.
- Know the difference between the A margin and the B margin of COBOL source code.
- Know what can be included in the Identification Division and what is required by the compiler and what is required in our class.
- Know what can be included in the Environment Division and what is required.
- Know what can be included in the Data Division and what is required.
- Know the COBOL arithmetic verbs, most importantly COMPUTE and COMPUTE....ROUNDED.
- Know how to "count bytes" given various numeric fields of various data types.
- Know how to use the COBOL intrinsic CURRENT-DATE function.
- Know how to set up various levels of working storage fields and data.
- Know the difference between PIC 9 fields and PIC X fields.
- Know the use of the letters S and V in a field definition such as PIC S9(5)V99.
- Know how to use any of the COBOL verbs required in your Assignment 4 and 5 COBOL programs.
- Know the order of precedence of COBOL arithmetic statements.
- Know how to code a structured read until end of file loop in a COBOL program.
- Know the DD names required for the COBOL Compiler.
- Know the module name of the COBOL Compiler.
- Know how to use the COBOL Compiler or Assembler, a Binder step and a fetch and execute step to develop a COBOL or Assembler program.
- Know how to define numeric fields in display (zoned decimal), packed decimal and binary. Know how to force binary fields to the appropriate next boundary.
- Know how to define various numeric edited fields.
- Know when it's best to use packed decimal fields as opposed to binary as opposed to display (zoned decimal).
- Know what numbers will look like in storage if moved to either display (zoned decimal) or packed decimal fields.
- Know how to initialize various data types.
- Know the basic TSO/ISPF options of 2, 3 and SD and editing a PDSE member.
- Know how to do basic editing of a PDSE member in TSO/ISPF.
- Anything discussed in lecture and not included here.