

# CSC 160 MIDTERM STUDY GUIDE

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## 1. CONCEPTS

**The labs are very important: make sure you have completed and understood all concepts of labs through 4-1.**

The midterm will take place on Wednesday during the laboratory session. There may be an open-book part, so be sure to bring your notes and your class textbook in case you need to look up something.

If you take notes on a laptop, you may use it for the open-book part. However, you may not look up anything on the laptop other than your lecture notes and class textbook.

Topic will include everything on the week 3 Quiz study guide. In addition, the following topics will be on the test:

Operators, operator precedence, boolean operators AND, OR, and NOT, truth tables for the boolean operators. Associativity of operators.

Relational operators, unary operators, binary operators, infix operators, postfix operators, prefix operators.

If statements and loop statements: while statements, for statements, arrays, solving simple programming problems on arrays as in the labs.

Methods, method overloading, formal parameters, actual parameters, return types of methods, scope of identifiers.

Simple GUI concepts: JFrame, JTextField, JButton, and FlowLayout, GridLayout, and BorderLayout.

Events, event listening and event handlers, abstract methods, interfaces, ActionListener.

## 2. PRACTICE PROBLEMS FROM THE CLASS TEXTBOOK

Chapter 3: Checkpoints 3.9, 3.11, 3.16-3.19.

Chapter 4: Checkpoints 4.1, 4.9-4.12