

# Exam #2 Description

## CSE110 - Arizona State University

### *Suggested Review Materials*

- Chapter 1 through 5, 8, with emphasis on material from Chapters 4, 5 and 8
- Go over the self-review questions at the end of each chapter
- Go over the recommended problems from the reading each week
- Lecture and Demonstration Videos
- Quizzes and Labs
- Assignments
- Author's Code examples

### *Question Types*

- Multiple-choice
- Output Problem(s) (show the output generated by program(s)).
- Short Answers and Programming Problems
- Note: Some or all of the above question types will appear on the exam.

### *Exam 1 Material*

- Printing output
- Getting Input
- Assigning variables
- `if/else` statements

### *Chapter 4: Loops*

- `while` statements
- `do` statements
- `for` statements
- Nested loops
- Tracing code with control flow item Using loops to: read sentinel delimited input (and find the min, max, sum, average, number of even/odd, number within a range), to evaluate **Strings**, to find the sum of numbers between two values

## *Chapter 8: Writing Classes*

- Instance data (declared private)
- Constructor
- Methods - writing methods
- You should be able to write a simple class with Constructors, Accessors, Mutators, `toString` method
- Creating instance of a class
- Calling methods with the instance

## *Chapter 5: Methods*

- Method header, return type, parameters
- `return` statement
- method overloading
- You should be able to write simple methods to perform a task, like the methods in Assignment 4.