

The exam date and time is **Wednesday, March 11, noon to 1:20pm at Lucy Stone Hall Auditorium**. The duration of the exam is 80 minutes.

The exam covers **Note #0 ~ #6** posted on Canvas, and the **programming assignment #1 and #2**. It is a paper test in class, and this is a close-book exam. **No cell phones and calculators!**

The exam is worth 25% of the final grade. There are TRUE/FALSE, MULTIPLE CHOICE, and PROGRAMMING problems. The following items could be used as the study guide.

1. How do you define a class?
2. How do you declare an object's reference variable?
3. How do you create an object? Implicit and explicit type-cast?
4. What are the differences between constructors and methods?
5. What is a default constructor, parameterized constructor and copy constructor?
6. When will a class have a default constructor? How the default constructor be called?
7. What are the differences between a superclass, abstract class and interface class?
8. What is the internal storage for characters, string literals and instances of String class?
9. How is the "super" keyword used in subclasses?
10. How does the constructor chaining work in inheritance?
11. What are the differences between overriding and overloading?
12. Polymorphism
13. Visibility / accessibility with different modifiers (public, private, protected, package)
14. How does the program control work in case of an exception?