

CS143M - Introduction to Computer Science - Spring 2013

January

Wed. 30, Syllabus, Introduction (Read: Ch. 1.1-1.2, 1.4-1.6)

February

Fri. 1, Character strings, variables, assignment, data types (Read: Ch. 2.1-2.3)

Mon. 4, Expressions, data conversion, Scanner class (Read: Ch. 2.4-2.6)
LAB 1 - Arithmetic Computation

Wed. 6, Creating objects, String class, packages (Read: Ch. 3.1-3.3)
Fri. 8, QUIZ 1 - String class, packages (Read: Ch. 3.2-3.3)

Mon. 11, Random class, math class, Formatting output (Read: Ch. 3.4-3.6)
LAB 2 - Strings

Wed. 13, Boolean expressions, the if statement (Read: Ch. 5.1,5.2)
Fri. 15, QUIZ 2 - The if statement, if-else, nested constructs (Ch. 5.2-5.3)

Mon. 18, If-else-if, equality tests (Read: Ch. 5.2-5.3)
LAB 3 - If statements

Wed. 20, Switch statement, While statements (Read: Ch. 5.4-5.5)
Fri. 22, QUIZ 3 - While statements, Reading files (Read: Ch. 5.5)

Mon. 25, Reading files, ArrayList class (Read: Ch. 5.5-5.6)
LAB 4 - Iteration - while statements, files

Wed. 27, For statements, REVIEW (Read: Ch. 6.4)

March

Fri. 1, **Test 1 - Chapters 1-5**

Mon. 4, For statements, (Read: Ch. 6.4)
LAB 5 - Iteration - for statements

Wed. 6, Switches, Conditionals, Classes and objects(Read: Ch. 6.1-6.2, Ch. 4.1-4.2)
Fri. 8, QUIZ 4 - Classes, objects, encapsulation, (Read: Ch. 4.2-4.3)

Mon. 11, Methods with parameters and return values (Read Ch. 4.4)
LAB 6 - Classes and methods

Wed. 13, Software development, classes and objects, static class members (Read: Ch. 7.1-7.3)
Fri. 15, QUIZ 5 - Class relationships and interfaces (Read: Ch. 7.4-7.5)

Mon. 18, SPRING BREAK
SPRING BREAK

Wed. 20, SPRING BREAK
Fri. 22, SPRING BREAK

Mon. 25, Enumerated types, method design, overloading (Read: Ch. 7.6-7.8)
LAB 7 - OOD - Classes

Wed. 27, Method design, Overloading, Testing/debugging programs (Read: Ch. 7.7-7.9)
Fri. 29, Good Friday NO CLASS

April

- Mon. 1, Review and creation of Classes
 LAB 8 - More Classes
- Wed. 3, Arrays - elements, declaring, using (Read: Ch. 8.1-8.2)
- Fri. 5, QUIZ 6 - Arrays - elements, declaring, using (Read: Ch. 8.1-8.2)
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- Mon. 8, Arrays of objects, parameter lists, 2D arrays (Ch. 8.3-8.6)
 LAB 9 - Arrays
- Wed. 10, Creating subclasses, overriding methods, Review (Ch. 9.1-9.2)
- Fri. 12, **TEST 2: Chapters 6-8**
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- Mon. 15, Class heirarchies, visibility (Ch. 9.3-9.4)
 LAB 10 - Inheritance
- Wed. 17, QUIZ 7 - Designing for inheritance, examples, Review (Ch. 9.5-9.8)
- Fri. 19, Polymorphism (Ch. 10.1-10.3)
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- Mon. 22, Polymorphism (Ch. 10.1-10.3)
 LAB 11 - Polymorphism
- Wed. 24, Sorting (Ch. 10.4)
- Fri. 26, QUIZ 8 - Sorting (Ch. 10.4)
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- Mon. 29, Searching (Ch. 10.5)
 LAB 12 - Sorting/Searching

May

- Wed. 1 Designing for polymorphism, examples (Ch. 10.6)
- Fri. 3, QUIZ 9 - Exceptions (Ch. 11.1-11.3)
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- Mon. 6, Creating and throwing exceptions (Ch. 11.3-11.6)
 LAB 13 - Exceptions
- Wed. 8, Creating and throwing exceptions (Ch. 11.3-11.6)
- Fri. 10, Review
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- Tue. 14, 8:00-11:00 - EXAM