

CSC 260.002: Object Oriented Programming I

Schedule of Topics, Readings and Assignments (tentative)

Week	Tuesday	Thursday
1	Introduction to Java and Eclipse (chapter 1), simple programming: variables, constants, identifiers, and types (chapter 2)	Simple programming: assignments and numeric operations, input and output, (chapter 2)
2	Short-cut operators, type conversions (chapter 2), conditions, Booleans, if statements (chapter 3)	More on if Statements, if-else statements, nested if-else logic, logic operators (chapter 3)
3	Complex logic, comparing Strings, doubles, switch statement, conditional operator (chapter 3)	Mathematical/Character/String operations, formatted output (chapter 4)
4	Loops (while, do-while, for) (chapter 5)	Nested loops, numeric errors, break and continue keywords (chapter 5)
5	Review	Midterm 1
6	Methods, method calls and parameters (chapter 6)	Parameter passing, scope, method overloading, writing modular code (chapter 6)
7	Array basics and the foreach loop (chapter 7)	Copying arrays, passing arrays, returning arrays (chapter 7)
8	Searching arrays (chapter 7)	Sorting arrays (chapter 7), multi-dimensional arrays (chapter 8)
9	Fall Break (no class)	More on multi-dimensional arrays (chapter 8), file I/O (chapter 12)
10	Review	Midterm 2
11	Classes and objects (chapter 9)	Other OOP concepts (chapter 9)
12	Election Day (no class)	Arrays of Objects (chapter 9)
13	OOP thinking (chapter 10)	Inheritance, overriding methods, Object class (chapter 11)
14	Polymorphism (chapter 11)	Thanksgiving (no class)
15	ArrayList (chapter 11)	Inheritance case studies (chapter 11)
16	Wrap-up	Review
Finals week	Final Exam (Tuesday, December 13, 10:10 am – 12:10 pm)	*****

All readings are from Liang. Assignment due dates will be placed on each individual assignment. Exam dates are listed above. This schedule is tentative and dates and topics may be changed during the semester. Any changes will be announced in class.