| Instructor: *Nadezhda Rusina* | | Seattle Central College | |
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| **CSC 142**<br>1184.02 | **Weekly Schedule** | | **Fall 2019** |
| **Computer Programming 1 - Java** | | | |

| Week # | Date | Topics | Reading | Tests |
|---|---|---|---|---|
| 1. | September 24, September 26 | **Introduction, Data Types**<br>Course tools; basic output; main method; primitive types; expressions; definite loop; static methods, IDE BlueJ<br>**Homework #1** | Chapters 1, 2, 3.1, 3.2 | |
| 2. | October 1, 3 | **Modular decomposition**<br>Scanner, reference types, instantiating objects, client/supplier, Graphics<br>**Homework #2** | Chapters 3.3, 3.4, 3G1, 4, 5 | |
| 3. | October 8, 10 | **Control Structures**<br>Problem solving with loops<br>**Homework #3**<br>**Test #1** | Chapters 4.1 – 4.5, 5.1 – 5.4 | #1 |
| 4. | October 15, 17 | **Class basics**<br>Classes and objects, state, behavior, accessors, mutators, JavaDoc, comments, client/server interactions<br>**Homework #4** | Chapter 8 | |
| 5. | October 22, 24 | **File I/O, Exceptions**<br>Testing, debugging, throwing exceptions<br>**Homework #5-1** | Chapters 5.5, 6 | |
| 6. | October 29, 31 | **Arrays**<br>Array-traversal algorithms<br>**Homework #5-2** | Chapter 7 | |
| 7. | November 5, 7 | **2-D Arrays**<br>Sorting<br>**Homework #6**<br>**Test #2** | Chapter 7 | #2 |
| 8. | November 12, 14 | **Inheritance**<br>Method overriding, dynamic dispatch | Chapter 9 | |
| 9. | November 19, 21 | **Inheritance**<br>Polymorphism, abstract classes, interfaces<br>**Homework #7** | Chapter 9 | |
| 10. | November 26<br>**11/28 - Thanksgiving Day** | **ArrayList**<br>Collections, wrapper classes | Chapter 10 | |
| 11. | December 3, 5 | **Final week**<br>Recursion, Comparable interface<br>**Homework #8** | Chapters 12.1 – 12.3 | |

**Final Exam:** Tuesday, December 10, 6:00 pm – 8:00 pm