



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Advanced Java Programming
Course Number: CSE232

Required Materials

Textbook(s): Java: How To Program Early Objects 11th Edition, Author Deitel, ISBN 9780134743356
 Note: The Access Card is optional for the class.

Required Readings: None

Additional Materials: Java, JavaFX & Eclipse

Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

Week	Chapter/Topic/Lab
Week 1	Topic: Classes and Objects: A Deeper Look Reading Assignments: Chapter 8, Start Here materials, Items in the Week 1 Materials folder Assigned: Syllabus Quiz, Lab 1
Week 2	Topic: OOP: Inheritance Reading Assignments: Chapter 9, Items in the Week 2 Materials folder Assigned: Lab 2
Week 3	Topic: OOP: Polymorphism & Interfaces Reading Assignments: Chapter 10, Items in the Week 3 Materials folder Assigned: Lab 3
Week 4	Topic: Exception Handling: A Deeper Look Reading Assignments: Chapter 11, Items in the Week 4 Materials folder Assigned: Lab 4, Quiz 1 (quiz covers Chapters 8, 9, 10, 11)
Week 5	Topic: Java FX Graphical User Interfaces: Part 1 Reading Assignments: Chapter 12, Items in the Week 5 Materials folder Assigned: Lab 5
Week 6	Topic: Java FX Graphical User Interfaces: Part 1 (Continued) Reading Assignments: Chapter 12 (if not completed), Items in the Week 6 Materials folder Assigned: Lab 6, Study for Midterm
Week 7	Topic: Midterm Assigned: Midterm Exam

Week	Chapter/Topic/Lab
Week 8	Topic: Strings, Characters and Regular Expressions Reading Assignments: Chapter 14, Items in the Week 8 Materials folder Assigned: Lab 8
Week 9	Topic: Files, Input / Output Streams, NIO and XML Serialization Reading Assignments: Chapter 15, Items in the Week 9 Materials folder Assigned: Lab 9
Week 10	Topic: Generic Collections Reading Assignments: Chapter 16, Items in the Week 10 Materials folder Assigned: Lab 10
Week 11	Topic: Recursion Reading Assignments: Chapter 18, Items in the Week 11 Materials folder Assigned: Lab 11
Week 12	Topic: Searching, Sorting and Big O Reading Assignments: Chapter 19, Items in the Week 12 Materials folder Assigned: Lab 12, Quiz 2 (covers chapters 8, 9, 10, 11, 12, 13, 14, 15, 18, 19) Due Nov 9: Lab 11
Week 13	Topic: Java FX Graphics and Multimedia Reading Assignments: Chapter 22, Items in the Week 13 Materials folder Assigned: None Due Nov 16: Lab 12, Quiz 2 (covers Chapters 14, 15, 16, 18, 19)
Week 14	Topic: Java FX Graphics and Multimedia (Continued) Reading Assignments: Chapter 22 (if not completed), Items in the Week 14 Materials folder Assigned: Lab 13
Week 15	Topic: Concurrency Reading Assignments: Chapter 23, Items in the Week 15 Materials folder Assigned: Lab 14, Study for Final Exam
Week 16	Topic: Final Exam