



# STARK STATE COLLEGE

## GENERAL SYLLABUS

### Course Information

**Course Name:** Java Programming  
**Course Number:** CSE231

### 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 Development Kit (see class policies for more information)

### 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.

### 16-week Calendar

Week	Chapter/Topic/Lab
Week 1	Topic: Introduction to Computers, the Internet and Java <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 1, Items in Materials folder</li> <li>• Assigned: Lab 1</li> </ul>
Week 2	Topic: Introduction to Java Applications and Creating Output <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 2 Sections 2.1-2.4, Items in Materials folder</li> <li>• Assigned: Lab 2</li> </ul>
Week 3	Topic: Variables, Memory, Arithmetic Calculations & Operators <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 2 Sections 2.5-2.9, Items in Materials folder</li> <li>• Assigned: Lab 3, Quiz 1</li> </ul>
Week 4	Topic: Introduction to Classes, Objects & Methods <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 3 Sections 3.1-3.4, Items in Materials folder</li> <li>• Assigned: Lab 4</li> </ul>
Week 5	Topic: More about Classes & Floating-Point Numbers <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 3 Sections 3.5-3.7, Items in Materials folder</li> <li>• Assigned: Lab 5</li> </ul>
Week 6	Topic: If/Else and While Control Structures <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 4 Sections 4.1-4.9, Items in Materials folder</li> <li>• Assigned: Quiz 2, Lab 6</li> </ul>

Week	Chapter/Topic/Lab
Week 7	Topic: Sentinel-Controlled Repetition, Nesting Control Statements, Compound Assignment Operators, Increment and Decrement Operators <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 4 Sections 4.10- 4.16, Items in Materials folder</li> <li>• Assigned: Study for Midterm</li> </ul>
Week 8	Topic: Midterm, for Loops, and do...while Loops <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 5 Sections 5.1-5.5, Items in Materials folder</li> <li>• Assigned: Lab 7</li> </ul>
Week 9	Topic: Switch Statements and Logical Operators <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 5 Sections 5.6-5.12, Items in Materials folder</li> <li>• Assigned: Lab 8</li> </ul>
Week 10	Topic: Static Methods and Declaring and Using Methods <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 6 Sections 6.1-6.5, Items in Materials folder</li> <li>• Assigned: Quiz 3, Lab 9</li> </ul>
Week 11	Topic: Method-Call Stack, Arguments, Java API Packages <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 6 Sections 6.6-6.9, Items in Materials folder</li> <li>• Assigned: Lab 10</li> </ul>
Week 12	Topic: Enum, Scope of Declarations and Method Overloading <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 6 Sections 6.10-6.14, Items in Materials folder</li> <li>• Assigned: Lab 11</li> </ul>
Week 13	Topic: Declaring and Creating Arrays & Exception Handling <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 7, Sections 7.1-7.5, Items in Materials folder</li> <li>• Assigned: Quiz 4, Lab 12</li> </ul>
Week 14	Topic: Enhanced for Statement, Passing Arrays to Methods & Multidimensional Arrays <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 7 Sections 7.7-7.11, Items in Materials folder</li> <li>• Assigned: Lab 13, Extra Credit assignment (optional)</li> </ul>
Week 15	Topic: Variable-length Argument Lists, Command-Line Arguments, Arrays Class, Collections and ArrayList Class <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 7, Sections 7.12-7.18, Items in Materials folder</li> <li>• Assigned: Study for Final Exam</li> </ul>
Week 16	Topic: Final Exam

## 8-week Calendar

Week	Chapter/Topic/Lab
Week 1	Topic: Introduction to Computers, the Internet and Java <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 1, Items in Materials folder</li> <li>• Assigned: Lab 1</li> </ul> Topic: Introduction to Java Applications and Creating Output <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 2 Sections 2.1-2.4, Items in Materials folder</li> <li>• Assigned: Lab 2</li> </ul>
Week 2	Topic: Variables, Memory, Arithmetic Calculations & Operators <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 2 Sections 2.5-2.9, Items in Materials folder</li> <li>• Assigned: Lab 3, Quiz 1</li> <li>• Due Jun 8: Lab 1, Lab 2</li> </ul> Topic: Introduction to Classes, Objects & Methods <ul style="list-style-type: none"> <li>• Reading Assignments: Chapter 3 Sections 3.1-3.4, Items in Materials folder</li> </ul>

Week	Chapter/Topic/Lab
	<ul style="list-style-type: none"> <li>Assigned: Lab 4</li> </ul>
Week 3	<p>Topic: More about Classes &amp; Floating-Point Numbers</p> <ul style="list-style-type: none"> <li>Reading Assignments: Chapter 3 Sections 3.5-3.7, Items in Materials folder</li> <li>Assigned: Lab 5</li> <li>Due Jun 15: Lab 3, Quiz 1, Lab 4</li> </ul> <p>Topic: If/Else and While Control Structures</p> <ul style="list-style-type: none"> <li>Reading Assignments: Chapter 4 Sections 4.1-4.9, Items in Materials folder</li> <li>Assigned: Quiz 2, Lab 6</li> </ul>
Week 4	<p>Topic: Sentinel-Controlled Repetition, Nesting Control Statements, Compound Assignment Operators, Increment and Decrement Operators</p> <ul style="list-style-type: none"> <li>Reading Assignments: Chapter 4 Sections 4.10- 4.16, Items in Materials folder</li> <li>Assigned: Study for Midterm</li> <li>Due Jun 22: Lab 5, Quiz 2, Lab 6</li> </ul> <p>Topic: Midterm, for Loops, and do...while Loops</p> <ul style="list-style-type: none"> <li>Reading Assignments: Chapter 5 Sections 5.1-5.5, Items in Materials folder</li> <li>Assigned: Lab 7</li> <li><b>The Midterm will take place in Brightspace and will be due by 11:59pm on Sunday, June 29<sup>th</sup>.</b></li> </ul>
Week 5	<p>Topic: Switch Statements and Logical Operators</p> <ul style="list-style-type: none"> <li>Reading Assignments: Chapter 5 Sections 5.6-5.12, Items in Materials folder</li> <li>Assigned: Lab 8</li> <li>Due Jun 29: Lab 7, Midterm</li> </ul> <p>Topic: Static Methods and Declaring and Using Methods</p> <ul style="list-style-type: none"> <li>Reading Assignments: Chapter 6 Sections 6.1-6.5, Items in Materials folder</li> <li>Assigned: Quiz 3, Lab 9</li> </ul>
Week 6	<p>Topic: Method-Call Stack, Arguments, Java API Packages</p> <ul style="list-style-type: none"> <li>Reading Assignments: Chapter 6 Sections 6.6-6.9, Items in Materials folder</li> <li>Assigned: Lab 10</li> <li>Due Jul 6: Lab 8, Quiz 3, Lab 9</li> </ul> <p>Topic: Enum, Scope of Declarations and Method Overloading</p> <ul style="list-style-type: none"> <li>Reading Assignments: Chapter 6 Sections 6.10-6.14, Items in Materials folder</li> <li>Assigned: Lab 11</li> </ul>
Week 7	<p>Topic: Declaring and Creating Arrays &amp; Exception Handling</p> <ul style="list-style-type: none"> <li>Reading Assignments: Chapter 7, Sections 7.1-7.5, Items in Materials folder</li> <li>Assigned: Quiz 4, Lab 12</li> <li>Due Jul 13: Lab 10, Lab 11</li> </ul> <p>Topic: Enhanced for Statement, Passing Arrays to Methods &amp; Multidimensional Arrays</p> <ul style="list-style-type: none"> <li>Reading Assignments: Chapter 7 Sections 7.7-7.11, Items in Materials folder</li> <li>Assigned: Lab 13, Extra Credit assignment (optional)</li> </ul>
Week 8	<p>Topic: Variable-length Argument Lists, Command-Line Arguments, Arrays Class, Collections and ArrayList Class</p> <ul style="list-style-type: none"> <li>Reading Assignments: Chapter 7, Sections 7.12-7.18, Items in Materials folder</li> <li>Assigned: Study for Final Exam</li> <li>Due Jul 20: Quiz 4, Lab 12, Lab 13</li> </ul> <p>Topic: Final Exam</p> <ul style="list-style-type: none"> <li><b>The Final Exam occurs this week and is due by <u>Saturday July 26<sup>th</sup></u>, by midnight. No exam or assignment submissions will be accepted after 7/26. Note that the Extra Credit assignment (optional) is also due at this time.</b></li> </ul>