STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: C++ Programming
Course Number: CSE233

Required Materials

Textbook(s): Absolute C++, 6th Edition, ISBN: 9780133970784, Savitch, Walter and Mock, Kenrick
Required Readings: None
Additional Materials: Access to **Visual Studio 2022** running on a computer with a Windows 10 or 11 operating system. Access to the Internet. Browser that meets the requirements of Brightspace. Chrome, Edge, or Firefox

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	Lab 1 – Basic Input, Output, and Arithmetic Operations
Week 2	Lab 2 – Checking Meeting Attendance Against Maximum Capacity
Week 3	Lab 3 - Using Loops and Modulus: Chocolate Bar Redemption Problem
Week 4	Lab 4 – Writing a Function to Test Integer Factors
Week 5	Lab 5 - Converting Liters to MPG Using Functions
Week 6	Lab 6 - Creating and Using Overloaded CubeIt Functions
Week 7	Lab 7 - Computing Time Differences with a User-Defined Function
Week 8	Lab 8 - Removing Duplicate Characters from a Partially Filled Array
Week 9	Lab 9 - Calculating Scores Using Arrays and Difficulty Factor
Week 10	Lab 10 - Pizza Object Creation and Pricing System
Week 11	No Lab
Week 12	Lab 11 - Object-Oriented Lab: Circle Operations and Comparisons
Week 13	Lab 12 - String Manipulation Lab: Pig Latin Converter
Week 14	Extra Credit Chapter 10 Lab - C-String Reversal Using Pointers
Week 15	Work on Final Project
Week 16	Final

8-Week Calendar

Date/Week	Assignments
Week 1	Lab 1 – Basic Input, Output, and Arithmetic Operations Lab 2 – Checking Meeting Attendance Against Maximum Capacity
Week 2	Lab 3, Lab 4
Week 3	Lab 3 - Using Loops and Modulus: Chocolate Bar Redemption Problem Lab 4 – Writing a Function to Test Integer Factors
Week 4	Lab 7, Lab 8
Week 5	Lab 5 - Converting Liters to MPG Using Functions Lab 6 - Creating and Using Overloaded CubeIt Functions
Week 6	Chapter 8 Lab
Week 7	Lab 7 - Computing Time Differences with a User-Defined Function Lab 8 - Removing Duplicate Characters from a Partially Filled Array
Week 8	Final