



2025 Summer Session

CSC 270 Business Application Development

Course Outline

Course Code: CSC 270

Instructor: Dr. Suman Saha

Home Institution: Pennsylvania State University

Office Hours: By appointment

Email: szs339@psu.edu

Credit: 4

Class Hours:

This course will have 60 class hours, including 32 lecture hours, professor 8 office hours, 8-hour TA discussion sessions, 4-hour review sessions, 8-hour extra classes.

Course Description:

Introduces the use of a high-level object-oriented programming language as a problem-solving tool, including basic data structures, object-oriented programming techniques, and software documentation. Designed for students who have had little or no prior experience with computer programming.

Required Textbooks:

Java Illuminated third edition by Anderson.

Grading System $(1 \sim 100)$

A+: 96 - 100	A:91-95
B+: 86 - 90	B:81 - 85
C+: 76 - 80	C:71 - 75
D+: 66 - 70	D: 60 - 65

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F:0-59

Pa : Pass Fa : Fail

Course Schedule:

Week1

• Session 1: Introduction to Java

• Session 2: Data Types and Date

• Session 3: Introduction to Object Oriented Programming and UML

• Session 4: Implementing Classes and Methods

(Quiz 1 and HW1)

Week2

• Session 1: Branches

• Session 2: Loops

Session 3: Arrays

• Session 4: Midterm Exam

Week3

• Session 1: Classes Continued and Inheritance

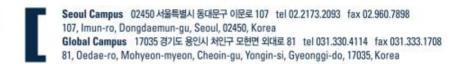
• Session 2: Methods Continued and Polymorphism

• Session 3: Input and Output

• Session 4: Exception Handling

(Quiz 2 and HW2)

Week4





- Session 1: Object Oriented Design
- Session 2: Graphical User Interfaces in Java
- Session 3: Advanced Graphical User Interfaces
- Session 4: Final Exam

