



National Taiwan University of Science and Technology

2022 Summer Program

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

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 & Evaluation:

A+:4.3——95-100

A :4.0——87-94

A-:3.7——82-86



B+:3.3——78-81

B :3.0——75-77

B -:2.7——71-74

C+:2.3——68-70

C :2.0——65-67

C -:1.7——61-64

D :1.0——55-60

E :0.0——49-54

X :0.0——0

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

