



上海财经大学

Shanghai University of Finance & Economics

中国上海市国定路777号 邮编200433 777 Guoding Road, Shanghai, 200433, China

## Shanghai University of Finance & Economics

### 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:** [sumsaha@gmail.com](mailto:sumsaha@gmail.com)

**Credit:** 4

**Class Hours:** This course will have 52 class hours, including 32 lecture hours, professor 8 office hours, 8-hour TA discussion sessions, 4-hour review sessions.

**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