



CS102A: Introduction to Computer Programming

Instructor: Fengwei Zhang



\$whoami

- Fengwei Zhang
 - Associate Professor, Computer Science and Engineering
 - Office: Innovation Park Building 10, Room 501
 - Email: zhangfw@sustech.edu.cn
 - Website: <http://cse.sustech.edu.cn/faculty/~zhangfw>
 - Research area: Computer security (attacks v.s. defenses)
- You are welcome to call me “Fengwei”



Course Information

- Lecture Info:

- Class Time: Monday 04:20pm – 06:10pm
- Class Location: Room 102, Lychee Hill #1
- Office hour: Monday 06:10pm - 06:50pm or 08:50pm - 09:50pm
- Course website:
 - <http://cse.sustech.edu.cn/faculty/~zhangfw/21sp-cs102a/index.html>

- Lab Info:

Session Number	Lab Instructor	Student Assistants	Time and Location	Lab QQ Group
A-Lab1	Fengwei Zhang (张锋巍)	Wenxuan Shi (石文轩) Weijie Huang (黄炜杰)	Lab Time: Monday, 07:00PM - 08:50PM Lab Location: Room 402, Lychee Hill #6	TBA
A-Lab2	Chunfeng Hu (胡春风)	TBA	Lab Time: Wednesday, 10:20AM - 12:10PM Lab Location: Room 201, Teaching Building 2	TBA
A-Lab3	Chunfeng Hu (胡春风)	TBA	Lab Time: Wednesday, 02:20PM - 03:50PM Lab Location: Room 201, Teaching Building 2	TBA
A-Lab4	Chunfeng Hu (胡春风)	TBA	Lab Time: Thursday, 10:20AM - 12:10PM Lab Location: Room 206, Teaching Building 2	TBA



Course Description

The course aims to cultivate students who have no programming experience before their university study. In this course, we will introduce the fundamentals of object-oriented programming language and programming techniques. The students will be familiar with the popular programming language Java and be able to construct programs for solving general problems.



Course Objectives

Upon successful completion of this class, the student will gain experience in:

- Understanding the basic components in a software system and the working mechanism of the Internet and the Web;
- Knowing the basic syntax of the Java programming language;
- Learning the features of object-oriented programming: abstraction, encapsulation, inheritance, polymorphism;
- and Developing programs to solve real problems using integrated development environments.

Recommended Book

- Java: How to Program (8th Edition), P. Deitel, H. Deitel (Java大学教程第八版, 2012年出版, 图书馆有借)



BOOK

Java : how to program = Java 大学教程

Paul Deitel, Harvey Deitel著.

Beijing : Publishing House of Electronics Industry, 2012

📖 **Available at** Lynn Library 2nd Floor (TP312JA /E 38:3.v1) >



Course Content

1. Introduction to Computers and Java
2. Introduction to Java Applications
3. Data Types (focus on primitive data types)
4. Control Statements (including structured programming)
5. Array
6. Procedural programming (static methods, APIs)
7. Introduction to OO (Classes, Objects, Methods)



Course Content

8. Strings and Wrapper Classes
9. Classes, Objects and Methods: A Deeper Look
10. Object-Oriented Programming: Inheritance
11. Object-Oriented Programming: Polymorphism
12. Generic Classes and Methods & Generic Collections (ArrayList)
13. Exception Handling: A Deeper Look



Course Content and Grading

The grades for the course will be based upon the tables given below

Topics	Grade
Lecture Attendance	5%
Lab Attendance and Exercise	5%
5 Assignments	30%
Project	20%
Final Exam	40%
Total	100%



Grading Scale

The grades for the course will be based upon the percentages given below

A+	97 - 100%	C+	77 - 79%
A	93 - 96%	C	73 - 76%
A-	90 - 92%	C-	70 - 72%
B+	87 - 89%	D+	67 - 69%
B	83 - 86%	D	63 - 66%
B-	80 - 82%	D-	60 - 62%
F	0 - 59%		




Academic Integrity

- Students need to sign the Assignment Declaration Form in your first lecture.
- Our department can refuse students to choose the CSE Major if they do not sign the declaration form.




Academic Integrity


南方科技大学 | 计算机科学与工程系
 SOUTHERN UNIVERSITY OF SCIENCE AND TECHNOLOGY | Department of Computer Science and Engineering

本科生作业承诺书

本人_____（学号_____）本学期已选修计算机科学与工程系_____课程。本人已阅读并了解《南方科技大学计算机科学与工程系本科生作业抄袭学术不端行为的认定标准及处理办法》制度中关于禁止本科生作业抄袭的相关规定，并承诺自觉遵守其规定。

承诺人：_____


南方科技大学 | 计算机科学与工程系
 SOUTHERN UNIVERSITY OF SCIENCE AND TECHNOLOGY | Department of Computer Science and Engineering

Undergraduate Students Assignment Declaration Form.

This is _____ (student ID: _____, who has enrolled in _____ course, originated the Department of Computer Science and Engineering. I have read and understood the regulations on plagiarism in assignments and theses according to "Regulations on Academic Misconduct in Assignments for Undergraduate Students in the SUSTech Department of Computer Science and Engineering". I promise that I will follow these regulations during the study of this course.

Signature: _____



Student Disabilities Services

- If you have a documented disability that requires accommodations, you will need to register with the University for coordination of your academic accommodations. Please let me know as well.



More Information on Course Website

<http://cse.sustech.edu.cn/faculty/~zhangfw/21sp-cs102a/index.html>

Email: zhangfw@sustech.edu.cn