



Syllabus

2007 Spring Term

Introduction to Programming Using Java TEIXJ1E1550-0A

Textbook: Eck, David J., *Introduction to Programming Using Java*, fifth ed., ver. 5.0, Dec. 2006. (<http://math.hws.edu/javanotes/index.html>)

Instructor: Yihjia Tsai

Web: cherry.cs.tku.edu.tw/JAVA/

1. Introduction
2. Java Virtual Machine
3. Name and expressions
4. Control flows
5. Subroutines
6. Objects and classes
7. Introduction to GUI programming
8. Arrays
9. Correctness and robustness
10. Linked data structures and recursions
11. Generic programming and collection classes
12. Files and networking

Reference:

Flanagan, David, *Java In a Nutshell*, 5th ed., O'Reilly Media, 2005. (ISBN-13 978-0596007737)

Eckel, Bruce, *Thinking in Java*, 4th ed., Prentice Hall, 2006. (ISBN-13 978-0131872486)

Horstmann, Cay, and Gary Cornell, *Core Java 2, Volume I—Fundamentals*, 7th ed., Prentice Hall, 2004. (ISBN-13 978-0131482029)

Horstmann, Cay, and Gary Cornell, *Core Java 2, Volume II—Advanced Features*, 7th ed., Prentice Hall, 2004. (ISBN-13 978-0131118263)

Grading: 20% home works + quizzes, 10% attendance, 30% midterm, and 40% final