

# Syllabus

## SE 450 Object-Oriented Software Development

Autumn 2000 (2000/09/06 – 2000/11/22)

Tuesday 5:45 – 9:00 pm, Loop campus

Instructor: Dr. Xiaoping Jia

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Course URL: <http://se.cs.depaul.edu/se450/se450.html>

### Requirements:

- **CSC 416 Foundations of Computer Science II**
- Knowledge of object-oriented programming and C++
- Knowledge of HTML and web browsers

### Topics:

- Applets, WWW, HTML
- Classes and interfaces
- Data types and control flows
- AWT, Swing, and animation
- Input and output, collections
- Multi-threaded programming
- Networking
- Object-oriented design
- Introduction to design patterns and frameworks

### Textbooks:

- [1] *Object-Oriented Software Development in Java – Principles, Patterns, and Frameworks*, Xiaoping Jia, 1/ed. Addison-Wesley 2000. (*Primary text*)
- [2] *The Java™ Programming Language*, Ken Arnold, and James Gosling. 2/ed. Addison-Wesley 1997. (*Reference*)
- [3] *The Java™ Class Libraries — An Annotated Reference*, 2/ed. Vol. 1&2. Patrick Chan, Rosanna Lee. Addison-Wesley 1998. (*Reference*)
- [4] *The Java Class Libraries: 1.2 Supplement*, Patrick Chan, Rosanna Lee, Douglas Kramer, Doug Kramer. 2/ed. Addison-Wesley 1999. (*Reference*)
- [5] *Design Patterns - Elements of Reusable Object-Oriented Software*, Erich Gamma, Richard Helm, Ralph Johnson, John Vlissides, Addison-Wesley 1995. (*Reference*)

### Grading:

- Homeworks — 30%
- Mid-term exam — 20%  
2000/10/17 Tuesday
- Final exam — 25%  
2000/11/21 Tuesday
- Course project — 25%  
Due: 2000/11/21 Tuesday

**Grading Scale:**

- A : total  $\geq 93$
- A-:  $93 > \text{total} \geq 90$
- B+:  $90 > \text{total} \geq 87$
- B :  $87 > \text{total} \geq 83$
- B-:  $83 > \text{total} \geq 80$
- C+:  $80 > \text{total} \geq 77$
- C :  $77 > \text{total} \geq 73$
- C-:  $73 > \text{total} \geq 70$
- D+:  $70 > \text{total} \geq 67$
- D :  $67 > \text{total} \geq 63$
- D-:  $63 > \text{total} \geq 60$
- F :  $60 > \text{total}$