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# **Object-Oriented Analysis and Design Method**

MAO BO  
2017 SPRING

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# **Course Category and Objects**

- **Category**

- **Core course for undergraduate students in major of Information Management and Information Systems**

- **Objects**

- **Understanding methodologies and technologies of object-oriented analysis and design**
- **Be familiar with design patterns and UML**
- **Be more prepared for future software-related jobs**

# **You will learn about**

- **How to gather software requirements**
- **How to analysis software using object-oriented theory**
- **How to design software using object-oriented theory**
- **How to communicate the software analysis and design using UML (unified modeling language) diagrams**
- **How to divide a software project into phases with object-oriented thinking**

# **Text Book and Grading**

- **Text Book**

- **Brett D. McLaughlin, Gary Pollice & David West, “Head First Series: Object-Oriented Analysis & Design”, O’Reilly Median, Inc., 2006 (English reprint edition, Southeast University Press, 2007)**
- **Eric Freeman , Elisabeth Freeman, Bert Bates & Kathy Sierra, “Head First Series: Design Patterns”, O’Reilly Median, Inc., 2004**

- **Grading**

- **Personal assignments 30%**
- **Final Examination 70%**

# Other Information for the Course

- **Instructor**

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