

Design Patterns

Lesson Plans

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About this Course

- * We will learn about object oriented design techniques.
- * Output of this course : build small home-grown framework.

Timeline

- * 1st week : Lesson Plans
- * 2nd week : OO Review & Intro to Design Patterns
- * 3rd week : Observer Pattern
- * 4th week : Decorator Pattern
- * 5th week : Factory & Singleton Pattern
- * 6th week : Command Pattern
- * 7th week : Practice (assignment)
- * 8th week : Mid-Exam

Timeline (cont.)

- * 9th week : Mid-Exam
- * 10th week : Adapter & Façade Pattern
- * 11th week : Template Method Pattern
- * 12th week : Iterator & Composite Pattern
- * 13th week : State Pattern & Proxy Pattern
- * 14th week : Practice (assignment)
- * 15th week : Compound Pattern
- * 16th week : Project Proposal

Course Grading

- * Assignment 20%
- * Mid-Exam 30%
- * Final Project 50%

Language & Tools

- * Java : Eclipse, Netbeans, IntelliJ IDEA
- * C# : Microsoft Visual Studio

Textbooks

- * O'Reilly – Head First Design Pattern by Eric Freeman & Elisabeth Freeman (2004)