

CSCI 253

Object-Oriented Design
George Blankenship
Wednesday 6:10 pm – 8:40 pm
Rome 459

Introduction George Blankenship 1

George Blankenship

- Academics
 - BS Georgetown university (mathematics)
 - MS Marymount (computer science)
 - DSC candidate at GWU (computer science)
- 40+ years in computer industry
 - Protocol design
 - Systems integration manager
 - Systems programmer and consultant

Introduction George Blankenship 2

Pertinent Information

- Office hours: by arrangement
- Telephone:
 - (301) 734-0227 (office)
 - (703) 622-2315 (cell)
- Email: BlankenG@GWU.edu
- Web site: <http://home.gwu.edu/~blankeng>

Introduction George Blankenship 3

Class Web Page

- <http://home.gwu.edu/~blankeng>
- Syllabus
- Lecture notes
- Homework assignments
- Supplementary materials

Introduction George Blankenship 4

Lecture Format

- Questions from previous class
- Discussion of previous homework
- New lecture material
- Homework assignment discussion

Introduction George Blankenship 5

Objective of Course

- Overview of the fundamental models that are used to organize of objects in a object oriented approach to a problem solution
- The student will be introduced to basic models used in the construction of objects, structure of objects, and behavior of objects
- The class will examine examples of the basic models in code samples

Introduction George Blankenship 6

Course Outline

- Five sections
 - One lecture on the fundamental concepts
 - Three lectures Java review
 - One lecture on frameworks
 - Three lectures on each of the three pattern classes with examination of code using the patterns
 - Student presentations of projects using the concepts
- Homework and research projects
- Research paper

Introduction George Blankenship 7

Lectures

Date	Material to be covered (or other task)
1/14	Introduction Java review
1/21	Java review
1/28	Java review UML overview Frameworks
2/4, 2/11, 2/18	Creational patterns
2/25, 3/4, 3/11	Structural patterns
3/25, 4/1, 4/8	Behavioral patterns
4/15, 4/22	Presentations
5/6/08	Presentations (if necessary)

Introduction George Blankenship 8

Homework

- Most lectures will have an assignment
- All assignments are due by following class
 - Email
 - Floppy disk
 - Written
- An assignment will include extra credit
- Please turn in for at least partial credit

Introduction George Blankenship 9

Honesty and Integrity

- It is expected that all will discuss the homework problems
- Questions can be submitted by email, responses will be to the whole class via email
- All responses that *seem* to be from one source will be discarded

Cooperative understanding, independent solutions

Introduction

George Blankenship

10

Reading and Thought

- Inspect the class web page
- Inspect the links from the class web page
- Supplementary readings are suggested to help understanding

Introduction

George Blankenship

11
