OO Analysis and Design with UML 2 and UP

Dr. Jim Arlow,
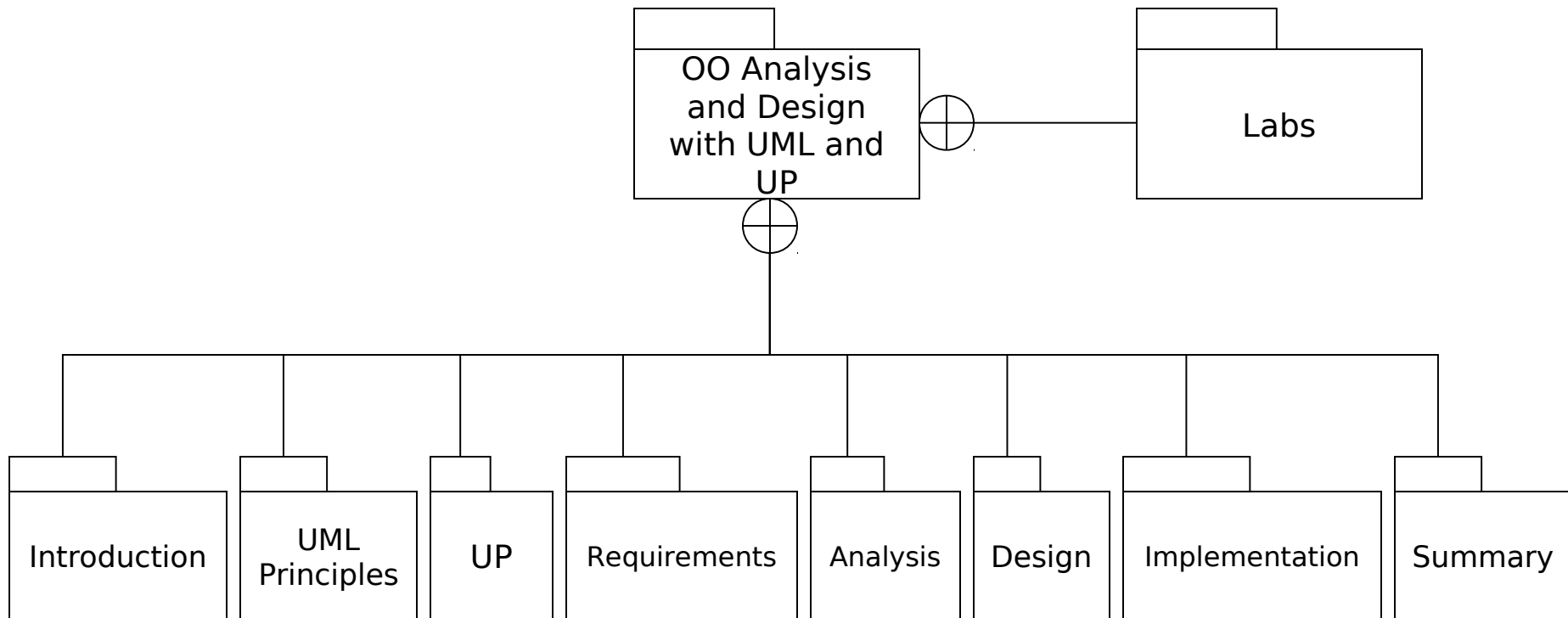## Zuhlke Engineering Limited

Introduction

About you…

- Name?
- Company?
- What are you working on?
- Previous experience of OO?
- Previous experience of modelling?
- One thing you hope to gain from this course?
- Any hobbies or interests?
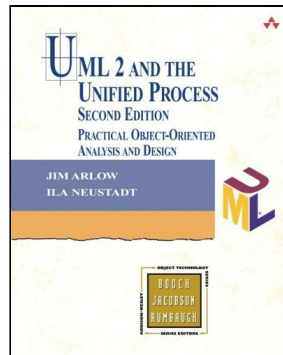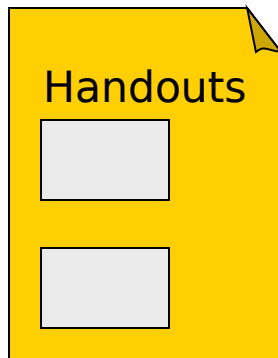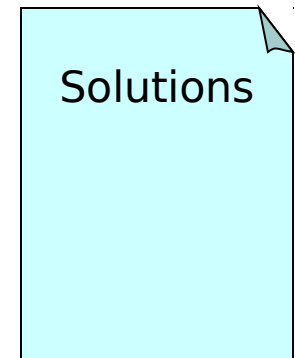
Structure of this course

Guiding principles

- This course uses the Unified Software Development Process (UP) to define the activities of OO analysis and design using UML
- The UP is the industry standard software engineering process for the UML

Course materials

| Handouts | ISBN:0321321278 | Labs | Solutions |

UML 2 AND THE UNIFIED PROCESS
SECOND EDITION
PRACTICAL OBJECT-ORIENTED
ANALYSIS AND DESIGN

JIM ARLOW
ILA NEUSTADT

ISBN:0321321278

- For easy reference, all slides in this course are cross referenced to sections in the course book "UML 2 and the Unified Process"
  - There is an example cross reference icon in the top left hand corner of this slide

Labs

- This is a practical course, and there is a lot of laboratory work
- Our approach to this work is cooperative rather than competitive
  - Work together
  - Ask each other for help
  - Share ideas and experience
- Don't get bogged down!
  - If something brings you to a halt for more than 10 minutes, then ask for help

Goals of the course

- To provide a thorough understanding of OO analysis and design with UML
- To follow the process of OO analysis and design from requirements capture through to implementation using the Unified Software Engineering Process as the framework
- To have fun!

Conditions of satisfaction

- You will know you are succeeding when:
  - You can read and understand UML diagrams
  - You can produce UML models in the laboratory work
  - You apply your knowledge effectively back at your workplace
- Questions:
  - You can ask questions at any time!
  - Your participation is always valued

Summary

- That's the end of the introduction so on with the course!

Podmínky absolvování předmětu

- **Zápočet – 33 bodů (minimum 17)**
  - 20 bodů – projekt (povinný)
  - 5 bodů - prezentace na vybrané téma
  - 8 bodů – prezentace výsledků projektu (povinná)
- **Zkouška – 67 bodů (minimum 34)**
- **Bonus body – 6 bodů – aktivita**