

Programming fk. 2013

DIT950

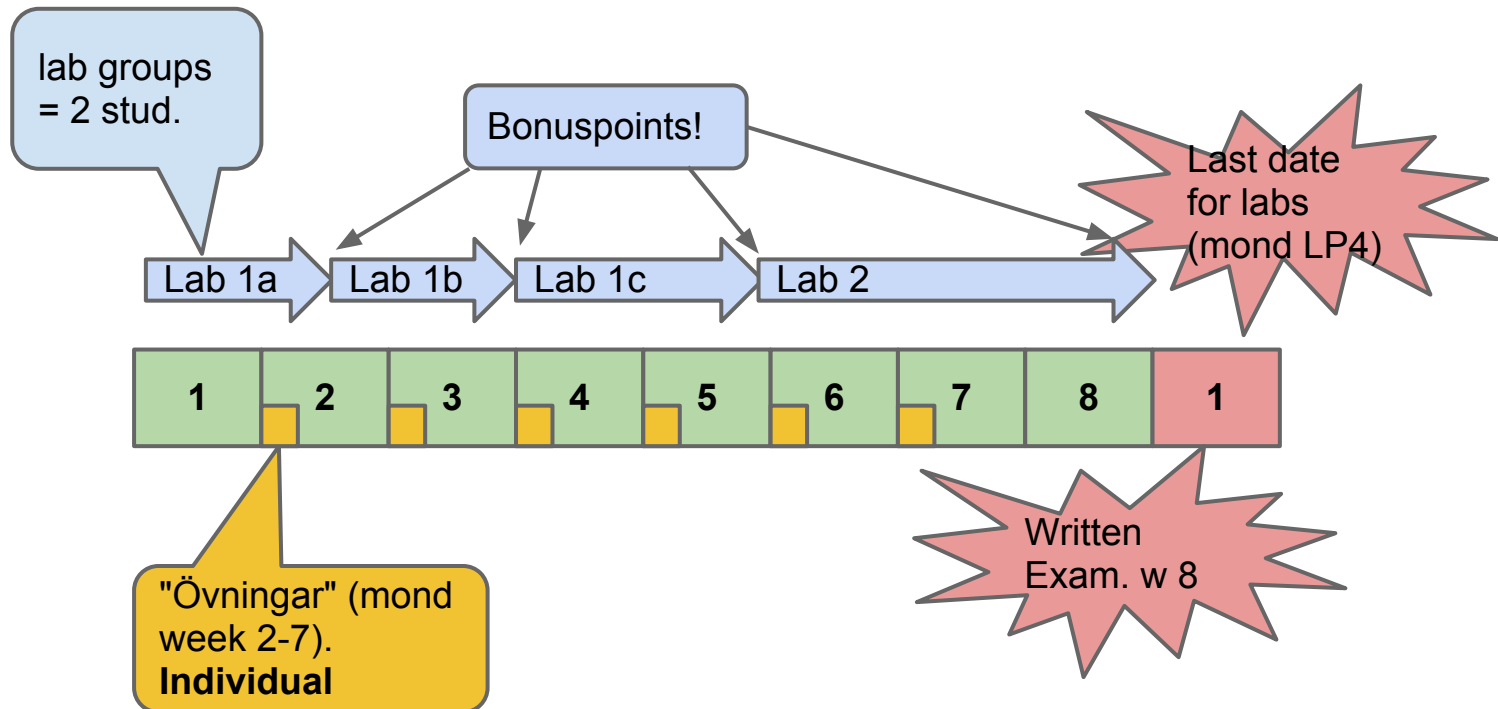
Introduction

Language

Swedish spoken, a lot of written English (and Java :-))

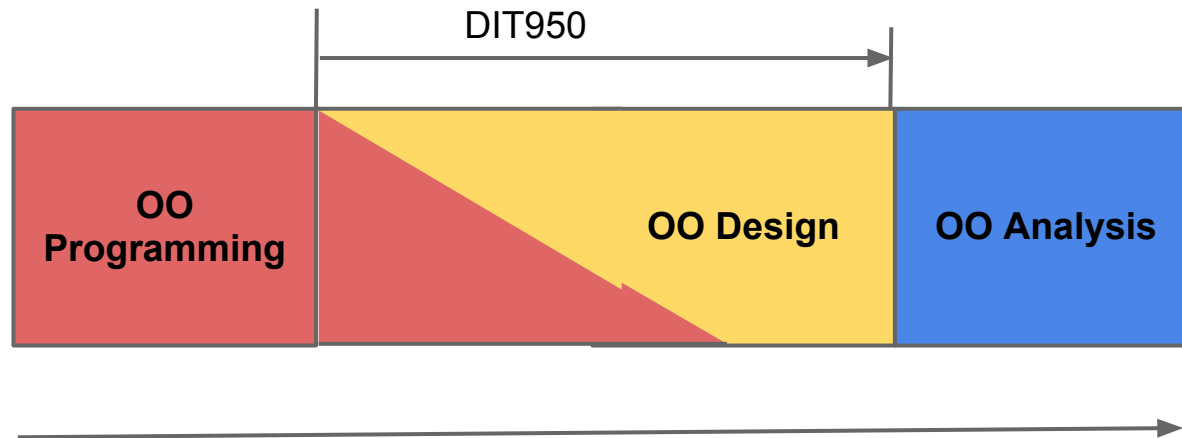
- This area is moving too quick. Swedish have a hard time to catch up ... sometimes i just doesn't happen...
- All code should be in English, incl. comments

Organisation

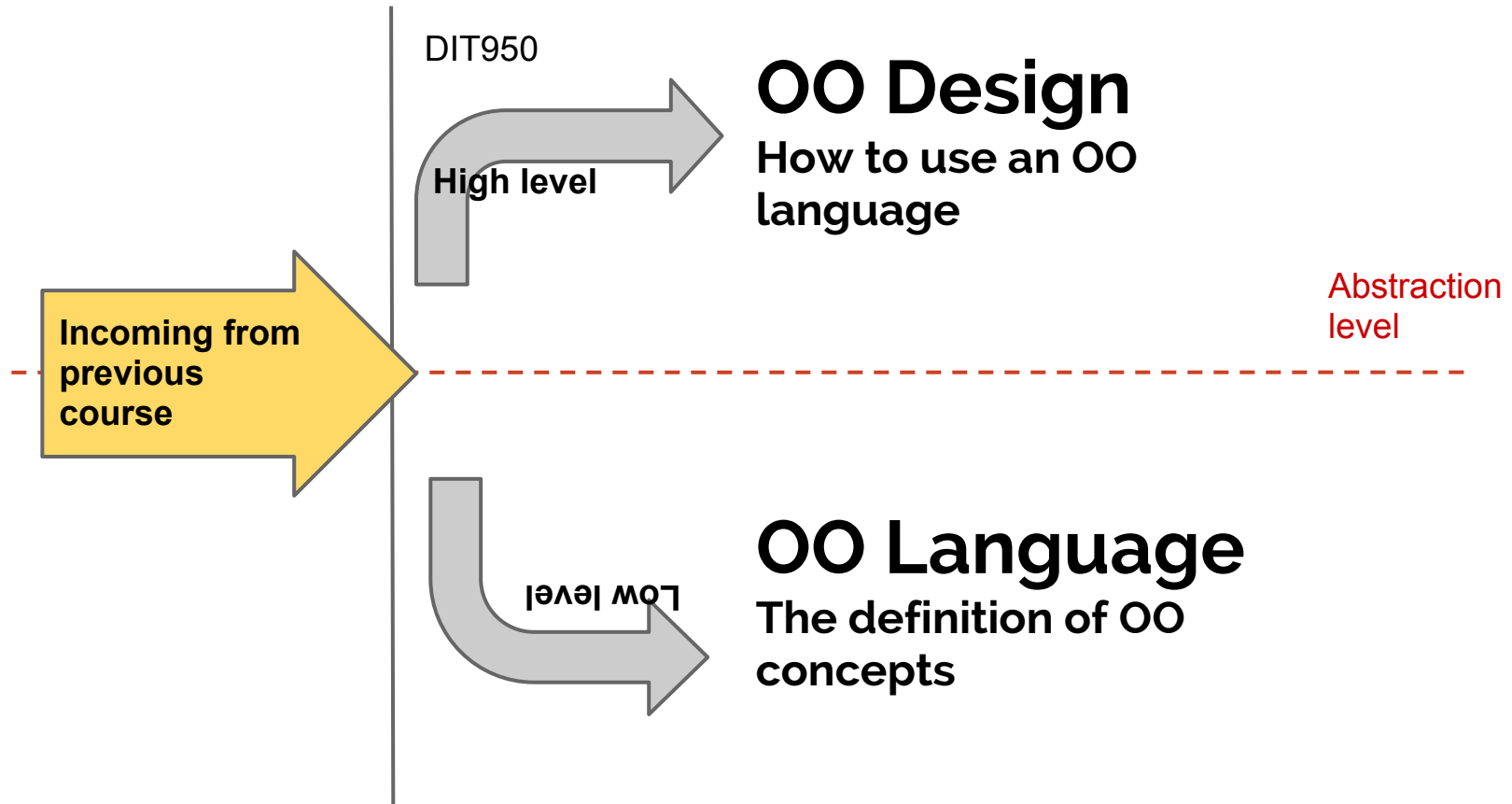


Course Position

Course is part of the OO-path



Content



Content, cont

OO Language is a rather well defined (formal) topic

- There are yes or no's
- Exercised during the "Övningar"

OO Design is a rather fuzzy topic

- Vague definitions (same name for similar or near similar notions)
- Often many options, harder to get yes or no's
- No "formula" to create a design
- Exercised in the labs

Content, cont, cont

Content organize in "topics" (each topic involves language and design)

- Imperative programming
- Java Types
- State
- Dependencies
- Design
- Inheritance
- Generic types
- Parallelism

Literature and Resources

From previous course (Java Direkt)

Slides (course page)

Web links (course page)

Papers (course page)

...and code samples (course page)

"The code is the book" (all slides with
an * has a matching code sample)

Java Language Specification

The ultimate resource

The official specification of the language

Latest version: [Java SE 7 Edition](#)

Also a JVM specification, not used in course

Code Samples

The samples are written in a compact way

- Sometimes a single class uses other classes declared inside the class (using **static** class)
- The word static has no logical meaning in the samples, it must be there for some technical reason (if it does matter the code will clearly say so)
- You should normally not write code like this (use one class/file)

```
public class SomeDemo {  
    ...  
    // Just pretend the word static isn't there  
    public static class Helper {  
    }  
    ...  
}
```

The Slides

I will not "read the slides" during the lectures

I'll try to talk more freely from the slides
(possible sketch some things on blackboard)

- Possible I'll miss a slide, so you should run the slides for your self

Your Contribution

Questions appreciated!

Comments and suggestions during the course are welcome, feel free to ask...

Also see course PM on course page...