

# Other organizational and infra-structural issues of the joint SE course

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2<sup>nd</sup> Workshop on SEE and RE

## Outline

- Exam
- Literature
- Case studies
- Development of slides
- Exercises

## Exam

- Assignments
- Oral exam (possibly organized as test 😊)
- Additional project/assignments for additional points?

## Literature

## Case studies – ideas

- Used during the lectures and assignments
- One case study, additional one for assignments?
- Offer several ones to choose from

## Case studies - currently

- Seminar organization
- XCTL (metrics, reverse engineering) and in several assignments

## Case studies – future?

- Replace XCTL with Seminar organization (or alternative)
  - Except Reverse engineering and assignments?
- Produce standardized documents for case study to hand them out to students (individual inspection)
- Devise two more case studies
  - Role playing game (Braude)
  - Original one (XCTL?)

## Where case studies are used - 1 Seminar organization (or alternative)

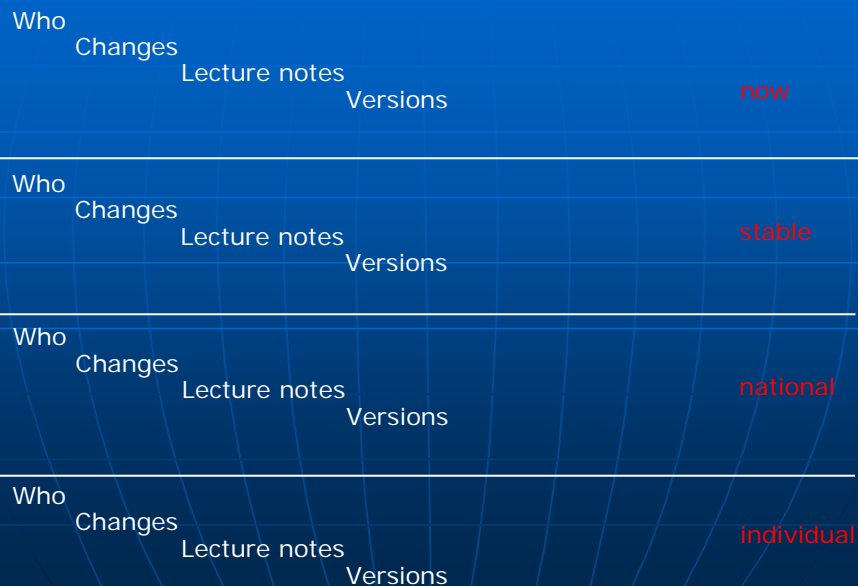
- An example of requirements document
- An example of application of function point method
- Basic concepts of the function-oriented view
- Basic concepts of data-oriented view
- Basic concepts of rule-oriented view
- Data-Flow-Diagram hierarchy
- Data Dictionary
- Basic concepts of scenario-based view
- Class diagram
- Use-cases. Examples
- Structured design
- Object-oriented design
- Systematic testing
- Functional testing
- Software metrics
- Reverse engineering (XCTL?)
- Maintenance

## Where case studies are used - 2

### Seminar organization (or alternative) - documents

- Implementation
- Systematic testing
- Software architecture
- Quality of software development process and its standardization
- Project management
- Configuration and documentation management

## Development of slides



# Development of slides

Who started (sup. by K. Bothe)

Changes

Lecture notes

Versions

now

Lecturers

Changes

Lecture notes

Versions

stable

Designated persons

Changes

Lecture notes

Versions

national

Lecturers

Changes

Lecture notes

Versions

individual

# Development of slides

Who started (sup. by K. Bothe)

finishes

Lecture notes

Versions

now

Designated lecturers

change

Lecture notes

Versions

stable

Designated persons

translate

Lecture notes

Versions

national

Lecturers

???

Lecture notes

Versions

individual

# Development of slides

Who started (sup. by K. Bothe)  
finishes

slides and lecture notes  
Versions

now

Designated lecturers  
change

slides and lecture notes  
Versions

stable

Designated persons  
translate

slides and lecture notes  
Versions

national

Lecturers  
???

slides and lecture notes  
Versions

individual

# Development of slides

Who started (sup. by K. Bothe)  
finishes

slides and lecture notes  
without version control

now

Designated lecturers  
change

slides and lecture notes  
with centralized version control server

stable

Designated persons  
translate

slides and lecture notes  
without version control

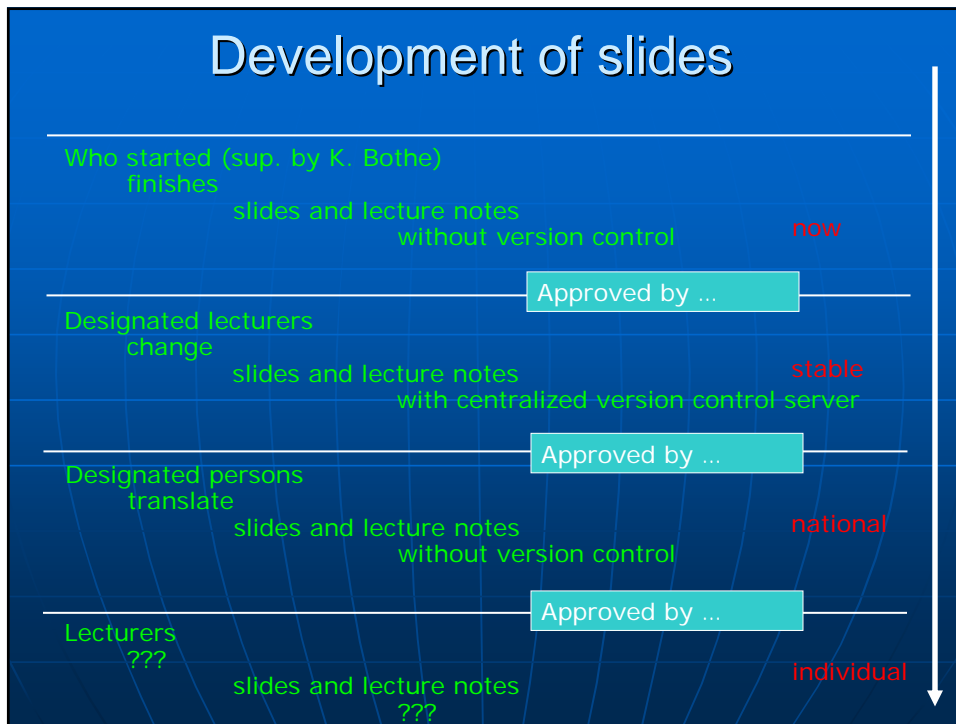
national

Lecturers  
???

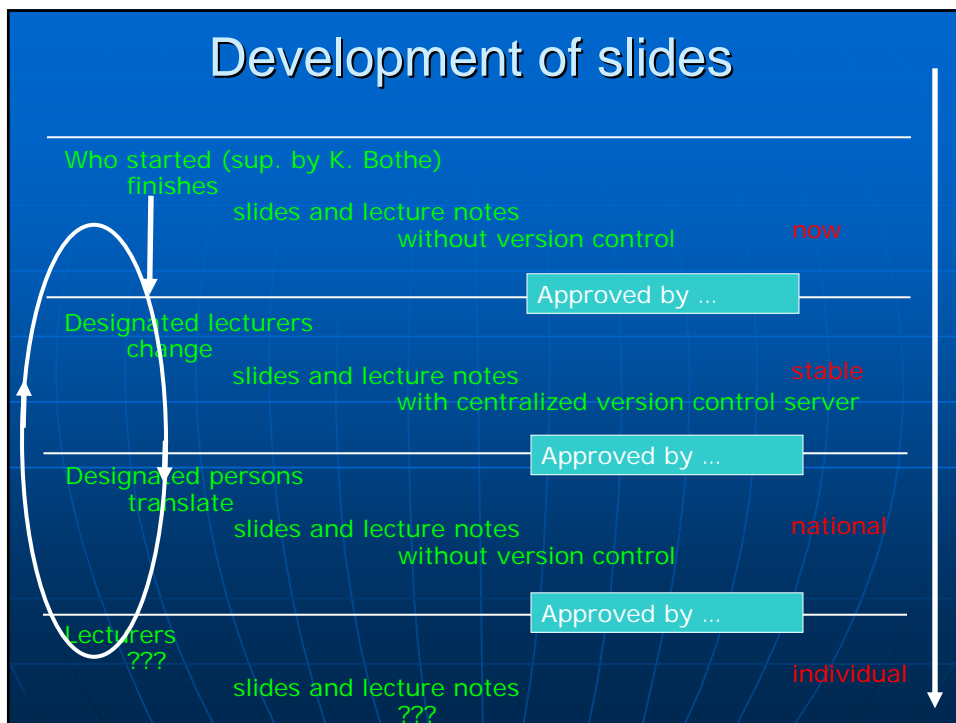
slides and lecture notes  
???

individual

# Development of slides



# Development of slides





???

- Is this sensible and if so, is it possible?
  - Granularity level (level of autonomy) of lecturers/national centers?
  - Define strong and weak paths for control, approval, data (slides) flow
  - Lecture notes really part of slides?  
Higher level of autonomy for lecture notes?

## Slide design and organization

- More pictures, less text
- Avoid scanned pictures
- Modular (at least for exchanging one case study for the other)
  - Mark slides with exchangeable content
- Unique identification of slides
  - Internal numbering or
  - Unique slide titles

## Additional slide information

- Change history
  - Additions, deletions, modifications
  - Separately or through an automatic version control server
- Lecture notes
  - In PPT file?
    - Easier change (new slides)
    - Easier organization
  - Separately
    - Easier change (change of lecture notes)