

Requirements Engineering II

Introduction and Setup

Prof. Dr. Martin Glinz

Dr. Norbert Seyff

Irina Todoran



**University of
Zurich**^{UZH}

Course Structure

Contents:

- Seven assignments on selected, advanced topics in RE

Prerequisites:

- Content of Requirements Engineering I

Style:

- Seminar-style lectures

Course Structure – 2

- Students acquire knowledge mainly themselves by
 - reading original articles
 - performing practical exercises
 - preparing presentations and giving them in class
- For every assignment, there will be a 90 minutes session in class with student presentations, Q&A, and discussion

Assignment Topics

1. Requirements Elicitation and Innovation
2. Conflict Management
3. RE in Social Networks
4. Requirements Modelling
5. Scenario Modelling
6. Requirements Management and Traceability
7. RE Tools

Assignment Materials

- Assignments typically include
 - Assignment description
 - Mandatory and theme-specific reading
 - Exercises
- See course web page at
 - http://www.ifi.uzh.ch/rerg/courses/hs13/re_ii/
- Paper download is password-protected
 - User name: stud
 - Password: communicated in class

Schedule

14 Oct. 2013	Introduction and Setup
28 Oct. 2013	RE Conferences and Journals (no assignment, information only) 1. Requirements Elicitation and Innovation
11 Nov. 2013	2. Conflict Management 3. RE in Social Networks
25 Nov. 2013	4. Requirements Modelling 5. Scenario Modelling
09 Dec. 2013	6. Requirements Management and Traceability 7. RE Tools
January 2014	Final exams (to be announced)

Types of Presentations – 1

- Short Oral Presentations (based on Individual Mandatory Reading)
 - What is the main message of the paper?
 - What are the expected benefits of the proposed method or the paper in general?
 - What are weaknesses of the paper in your opinion?
 - Prepare two questions about each paper to ask your classmates (e.g., aspects of the paper that are not clear to you, your classmates' opinion on interesting aspects)

Types of Presentations – 2

- Group Presentations (based on Group Tasks)
 - Maximum of 20 minutes for Presentation and Discussion
 - Presentations should be between 10 and 15 min (5 to 10 slides)
 - Discussions should be between 5 and 10 min
 - Presentation should answer the assigned questions
 - The Team is responsible for moderating the discussions (this includes to prepare questions)

Exams & Pass Criteria

- Pass requirements
 - Successful completion of at least 5 of 7 assignments
 - Presence in class sessions for at least 6 assignments
 - Presenting the group topic at least 2 times in class
 - Passing grade or better in final exam
- For passing the course, all four criteria must be met
- Final exams will be held as 20' oral exams

Elicitation and Innovation

Finding out what is needed



Elicitation and Innovation

Preparation

- Individual Tasks
 - Mandatory Reading
 - Zowghi: Overview of elicitation techniques
 - Beyer: How to understand needs
 - Maiden: How to support creativity
 - Working on questions and summaries
 - Prepare short summary
 - Answer given questions
 - Prepare questions for discussion

Elicitation and Innovation

Preparation

- Group Tasks
 - Preparation of talks
 - A. Distributed Requirements Elicitation
 - B. Elicitation of Requirements on Site
 - C. Creativity and Product Innovation
 - Discuss elicitation techniques for RE I case study
- Now:
 - Create 3 groups with ~3 participants each
 - Select topics

Presentation Tips

Content

- Not only summarize the papers sequentially
- Talk about your topic
 - Main message, how do papers relate to it
 - E.g. compare different approaches or highlight common ideas
- Set the papers in context to the overall assignment topic

Presentation Tips

Presentation Skills

- Use this course as an opportunity to train presentation skills
- Great source on how to deliver presentations:
<http://www.garreynolds.com/preso-tips>
 - Organization and Preparation
 - Delivery
 - Slides
- Not everything is applicable to seminar talks, but main ideas apply

Presentation Tips

Some Rules of Thumb

- Do not put text blocks on slides
- Do not use more than 7 bullet points per slide
- Better: Do not use bullet points at all
- Try to use diagrams / images instead of text
- Use animations sparingly (only appear / disappear)