

# IT Quality and Software Test

## General Information V1.1

Uwe Gühl



Winter 2011/ 2012



# Thank You

- Arnon Rungsawang – who made my stay at KU possible
- Jittat Fakcharoenphol – for fun during jointly preparation last time
- Prof. Nitsche-Ruhland – who made the first lecture at Baden-Wuerttemberg Cooperative State University Stuttgart possible and gave much feedback
- Students of the courses TIT05IN, TIT05NSA, TIT05NSB at Berufsakademie Stuttgart\* – for their feedback
- Mirja Meyer Friese – for her suggestions concerning quality, roles, integrated concept and her test case example
- Siegbert Voigt – for details concerning test automation and tools
- Stefan Brähler – for feedback and suggestions
- Markus Schell – for defect management examples
- Susanne Girod and Klaus Knoll – for input concerning test process



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# Administrative

- 219498: Special problems (IT Quality and Software Test)
- Lecturer
  - Uwe Gühl, Email: [uweguehl@hotmail.com](mailto:uweguehl@hotmail.com)
  - Department of Computer Engineering  
Faculty of Engineering  
Kasetsart University, Bangkok 10900, Thailand
- Lecture documentation:
  - <http://mike.cpe.ku.ac.th/~uwe>
- Office hours: on demand



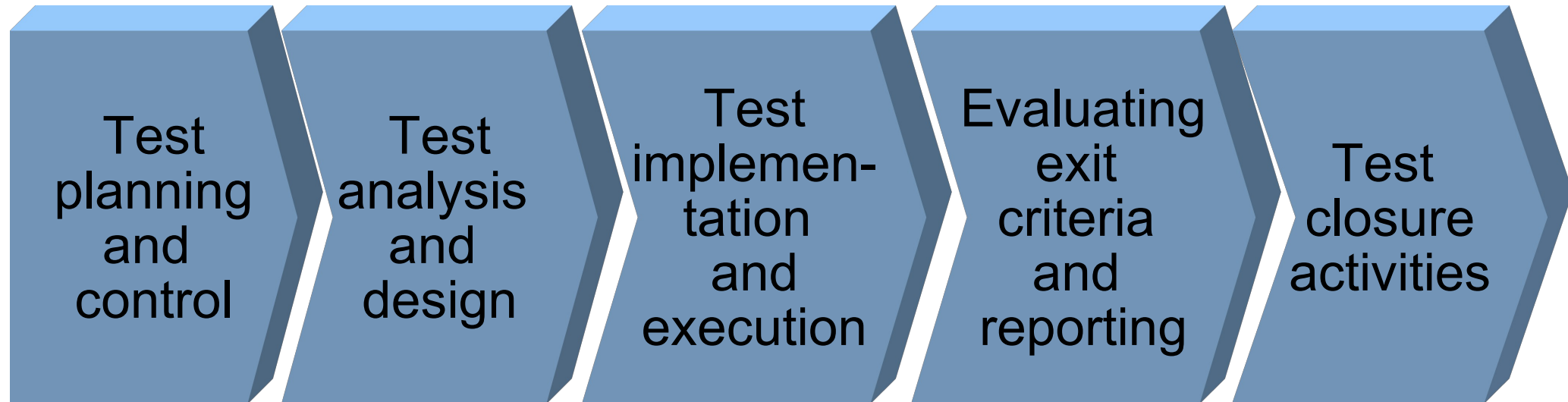
# Contents of the course (1/2)

- Introduction
- Basic Test Process
- Testing in Software Life Cycles
- Static Testing
- Dynamic Testing I and II
- Test Planning
- Test Execution
- Defect Management
- Test tools



# Contents of the course (2/2)

- Fundamental Test Process





# Resources

- The course follows ISTQB Syllabus for Certified Testers, Foundation Level, Version 2011, available at webpage of International Software Testing Qualifications Board, <http://www.istqb.org>
- Open source software testing tools, <http://www.opensourcetesting.org>
- Software Testing Genius, ISTQB related documents, <http://www.softwaretestinggenius.com>
- Cem Kaner, Jack Falk, Hung Quoc Nguyen: Testing Computer Software, Wiley Computer Publishing, 1999
- Cem Kaner, James Bach, Bret Pettichord: Lessons Learned in Software Testing, Wiley Computer Publishing, 2002



# General Idea

- Following ISTQB Syllabus for Certified Testers (Foundation Level)
- Presentations from students concerning specific test topics  
→ Support group work





# Grading

- The score of the course will be calculated like this:
  - 40 % Group work  
One score will be given to each member of a group  
Base for the score for the group work is a presentation given to the course
  - 20 % Midterm examination
  - 40 % Final examination at the end of the course