

Software Engineering

AY 2011–2012
Information Engineering



SoftEng
<http://softeng.polito.it>

Lecturers

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Consultation

- in classroom
- send email to schedule appointment

Web site

- <http://softeng.polito.it/tongji/SE>
 - ◆ communications
 - ◆ teaching material
 - Slides
 - Reading
 - Exercices and examples

Outline

- Software engineering, motivation and issues
- Requirements
 - ◆ UML
- Design
 - ◆ UML
- Verification and Validation
 - ◆ inspections, testing

Goals of course

- *Understand* problems in development of large software systems
- *Acquire basic skills* in requirement definition, verification and validation, configuration management, project management

Organization

- Lectures
- Exercises
- Final exam

References

- Bruegge, Object oriented software engineering
- Sommerville, Software Engineering 6th or 7th ed.
 - ♦ Pfleeger, Pressman, Shach
- Fowler, UML Distilled
 - ♦ www.cetus-links.org
- Morisio et al. Software Engineering Exercises, CLUT 2010

References

- Mc Connell, Code complete
- DeMarco, Peopleware
- Enders, Rombach, A Handbook of Software and System Engineering