

Development of High-Quality Software with Automated Tests

Summer 2009

License:

Creative Commons: Attribution-Share Alike 3.0 Unported

<http://creativecommons.org/licenses/by-sa/3.0/>



AgilCoop

- **Team**

- Professors
- Masters
- Graduate Students



- **Academy**

- Undergraduate Courses on XP since 2001
- Scientific Articles
- Dissertation

- **Industry**

- Magazine Articles
- Consulting on Agile Methods
- Lectures
- Courses



<http://www.agilcoop.org.br>

Summer

- Presence List
- Questionary
- Certificate
- Contact:
 - Summer Secretary: IME - Block B – Room X
 - <http://www.ime.usp.br/verao>
 - (11) 3091 – 6169
 - verao@ime.usp.br

Course Presentation

- Material: Schedule + Slides
- Lecture, default day:
 - Revision (10 minutes)
 - Content (1h40)
 - Space for Questions (10 minutes)
 - Break (15 minutes)
 - Content (1h35)
 - Questions & Answers (10 minutes)

Content

- Day 1: Introduction, Motivation, General
- Day 2: Unit, Patterns
- Day 3: Double, Interface (GUI/WUI)
- Day 4: Database, Acceptance, Strategies
- Day 5: TDD, Metrics

Programming Languages

- **Examples using:**
 - **Java**
 - **Scala**
 - **Ruby**
 - **Groovy**
 - **C**

Tools

- **IDE**: Text Editor, Eclipse
- **Unit**: JUnit, TestNG, Hamcrest
- **Double**: Mockito, EasyMock
- **Interface**: Selenium*, FEST, Utilities4Selenium
- **Acceptance**: FIT, rSpec
- **Metrics**: Metrics, Eclemma, Testability-Explorer

- PS: All *open source*

Contact

<http://www.agilcoop.org.br>

<http://ccsl.ime.usp.br>

<http://qualipso.org>

agilcoop@agilcoop.org.br

paulocheque@agilcoop.org.br



License:

Creative Commons: Attribution-Share Alike 3.0 Unported

<http://creativecommons.org/licenses/by-sa/3.0/>

