Integrated Software Systems and Testing

Course Title: Integrated Software Systems and Testing	
Description	**This course provides an in-depth exploration of the principles and practices involved in integrating and testing software systems. Students will learn about the challenges and methodologies associated with building reliable, scalable, and interoperable software systems. Through a combination of theoretical concepts and practical exercises, the course covers various integration strategies, and tools essential for modern software development and quality assurance.**
Semester	**Spring 2024**
Neptun code	**GEIAL51C-Ma**
Instructor	**Dr. Károly Nehéz**
Credit Hours	**4**
Attendance Requirement	**Students are required to attend at least 60% of the scheduled classes to be eligible for the course signature.**

- Lecture notes
- Tasks
- Examination questions

Recommended readings

Basic Java - tutorials

- Oracle's Java tutorial: http://docs.oracle.com/javase/tutorial/java/index.html
    - Basics: quick_java_programming_tutorial_via_exercises.doc
    - Interfaces: java interfaces
    - Inheritance: java inheritance
    - Interfaces vs. Abstract classes: http://tutorials.jenkov.com/java/interfaces-vs-abstract-classes.html
    - Annotations: http://tutorials.jenkov.com/java/annotations.html

Jakarta Enterprise

- http://www.mastertheboss.com/ – JBoss general tutorials
- JBoss ESB tutorial http://www.mastertheboss.com/jboss-esb/78-jboss-esb.html
- JBoss ESB beginers guide jboss_esb_beginners_guide.pdf

Recommended readings

- SOA Based Enterprise Integration
- http://www.eaipatterns.com/

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Last update: **2024/02/11 21:00**