Praktische Softwaretechnologie

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Research Institute for Symbolic Computation (RISC)

PRACTICAL Softwaretechnology:

- General purpose is to give an overview on software development from practical point of view.
- During this semester we will touch several topics.

The idea is to give such a course for students whose profession is not computer science such that

- if in the future you will need to use computer for programming purposes this lecture can provide a basis for this.
- •if in the future you will meet some (basic) problems or challenges related to software development, then this course MAY HELP you to solve them (such that you can recall the lecture nodes or the example programs we discuss here).

- Object Oriented (OO) Programming
- A modern OO Language: Java
- Implementation of some algorithms in Java
- The Modeling Language UML
- A Software Development Environment : Eclipse
- A version managing backup system: Subversion
- Design Patterns
- The Java Test Framework JUnit
- Introduction into the Client-Server Solutions and Web Services

- Lectures (english!!!)
- Practical Programming Exercises/Homeworks
- Each student MUST give a presentation about a chosen topic (at least 40 minutes, in English, with slides)

Slides, exercises and other information are/(will be) available at:

http://moodle.risc.jku.at/course/view.php?id=107

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- No exam!!!

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Presentations

Karoly.Bosa@jku.at

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- You should show me the draft of your presentation one week before (or at least you should be able to tell me some sentences about its structure and notify me if you have problem).

Still some words about the presentations

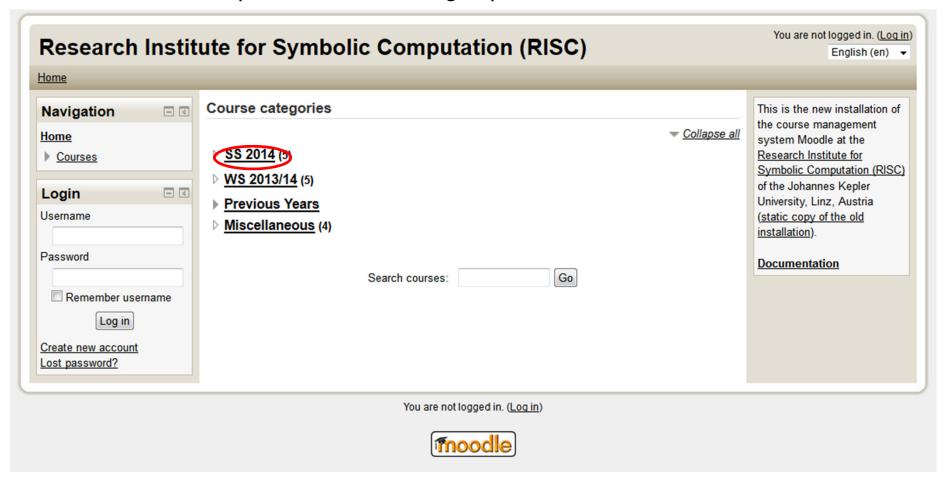
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- •It is not acceptable if you read your presentation:
 - -Of course, you can check your notes during your presentation.
 - -You can read some terms/sentences on your slides (but do not write your slides fully with sentences).
- Please upload your slides to the course webpage in pdf format after your presentation.

Course Web Page

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To take part in the course, you have to enroll in the <u>KUSSS system</u>. Since the exercises will be submitted via Moodle, you also have to <u>login in Moodle</u> (http://moodle.risc.uni-linz.ac.at) and register as a course participant. You will then also receive per email all messages posted in the News forum.



Course Web Page

Karoly.Bosa@jku.at moodle.risc.jku.at/course/view.php?id=107 ↑ V C Yahoo 🙆 Most Visited 🕙 Getting Started 🔊 Latest Headlines 📅 Google Calendar You are currently using guest access (Log in) Praktische Softwaretechnologie (SS2014) English (en) -Home ► Courses ► SS 2014 ► PractSoftTech14 Navigation Search forums 🖃 🗷 Lecturer: Karoly Bosa Language of the Course: English Site pages Go Times and Places: Wednesday 10:15 - 11:45 KG 519 Current course Advanced search (?) Thursday 14:30 - 16:00 KG 519 ▼ PractSoftTech14 Upcoming events 🖃 🖪 Participants Start Date: There are no upcoming events General Courses Go to calendar. Topic of the Course: · Object Oriented (OO) Programming A Modern OO Language: Java Activity since Sunday, 9 March · Implementation of some algorithms in Java e.g.: 2014, 3:11 PM · Searching and sorting algorithms Full report of recent activity... Stacks and gueues Recursion Course updates: · Backtracking (Eight queens problem) Added File . Approaching definite integral of a given functions . Java Applets, Basic Graphics Tools and Event Handling !!! Here you can find the Bitmap Rotation in 3D topics of the student · Lagrange Interpolation presentations (updated on · etc. 11.03.2014) !!! · A Software Development Environment : Eclipse · A Version Control System: Subversion . The Modeling Language UML Design Patterns The Java Test Framework JUnit . Introduction into Client-Server Architectures and Web Services Requirements: · Each programming exercise/homework will be evaluated. • Each student MUST give a presentation about a chosen topic (approx. 45 minutes, in English, with slides). The possible topics will be announced soon. To take part in the course, you have to enrol in the KUSSS system. Since the exercises will be submitted via Moodle, you also have to login in Moodle and register as a course participant. You will then also receive per email all messages posted in the News forum. News forum !!! Here you can find the topics of the student presentations (updated on 11.03.2014) !!!

•During the this semester you have to solve and submit 11-12 practical programming exercises.

You can submit each exercise only before its deadline.

 You can upload your solutions on the corresponding section of the course web page or you can print them out and give them to me personally before the class.

No submission via e-mail