

Course PM DAT076/DIT126, 2014

Course responsible	Joachim von Hacht	hajo@chalmers.se
	Tel: 7721003	
	EDIT Room: 6482	
Examiner	Joachim von Hacht	
Lecturer	Joachim von Hacht	
Course pages	http://www.cse.chalmers.se/edu/course/DAT076/	
Lab assistants	See course page	
Student repr.	See course page	

Content

Overview of the (very fast changing) Web application area. Basic knowledge of techniques and standards. General experience working with complex system. This is an applied technical course focusing on design and programming (i.e. no processes). Course will present a few, fairly general, approaches to design and implementation of web applications.

Recommended Literature

Beginning Java EE 7, *Antonio Goncalves, Apress*.
<http://www.apress.com/9781430246268> (chapter 13-14 excluded).

Environment

Course assumes Linux but everything should work well on any platform. Course is based on open source software. All software can be downloaded from the web. We need;

- Java JDK 1.7
- JEE 7 development environment and servers
 - Recommended is NetBeans 8.x IDE bundled with Tomcat 8.x and GlassFish 4.x.x. See <https://netbeans.org/downloads>)
 - There are other IDEs, but then you are on your own.
- Maven.x, also in NetBeans bundle.
- The Derby database also called JavaDB, also in bundle.
- Web browsers Firefox > 3.0 with Firebug plug-in and/or Chrome (others possible but not tested).
- Git version handling

Lectures

Traditional lectures with slides and code samples (hopefully on the course page at least the day before).

Workshops

Workshops are done during lab-sessions. The course has 4 workshops exercising topics presented.

- During the workshops you work in pairs.
- Every workshop has a deadline see Course pages > Workshops. Try to report finished workshops as soon as possible to avoid flooding of the system.

Workshop reporting and grading

The workshops are reported and graded during the lab sessions (we run it, some code inspection and some oral questions).

- *The workshops are mandatory* (some selected exercises are optional).
- Workshops are graded U-G.

Project

There's a group project scheduled for the last 3-4 weeks.

- During the project you work in a group of 4 students.
- There is time allocated in lab rooms. Assistants will be present.

Project reporting and grading

- *The project is the basis for the course grading.* Grading is normally assigned to the group i.e. all members get the same grade. In some hopefully rare cases there can be deviations.
- Project is graded U-5/U-VG
- For details see Project PM.

Examination

To pass the course you need to;

- Handle in the self-evaluation (see Course pages > Project).
- Pass the workshops.
- Pass the project.

Course grading

Course grade is given by the project grade.

Schedule

See study portal.