



Announcement

Software Engineering

For Mechatronics

Winter Semester 2010/11

Prof. Dr.-Ing. Madjid Fathi
M.Sc. Fazel Ansari

Time: Thursday 14:00 – 18:30

Begin: **October 28, 2010**

Room: H-A-8107

Language: English

Contents:

What makes a software project succeed? It takes more than a good idea and a team of talented programmers. A project manager needs to know how to guide the team through the entire software project. Software Project Management is the art and science of planning and leading software projects. It requires knowledge of entire software development lifecycle from defining the task to testing the end product. The goal of this course is to learn and practice “Software Project Management” and improve the teamwork skills of students through a project work. The course consists of lectures and certain project work containing oral presentation and written report. In this course we provide an introduction to Software Project Management area so that a student of Mechatronics can guide a team and run successful software project.

Topics:

Software Development Lifecycles, Software Process Models, Software Project Management, Software Project Planning, Estimation, Project Schedules, Reviews, Software Requirements, Design and Programming, Software Testing and Quality Management.

Literature:

- *Applied Software Project Management*, A. Stellman & J. Greene, O'REILLY, 2005.
- *Agile Project Management*, J. Highsmith, 2nd Ed., Addison-Wesley, 2010.
- *Pentaho Solutions*, R. Bouman & J. van Dongen, WILEY, 2009.

Registration:

Monday, October 11, 2010, 11:00 am-14:00 pm, Room: H-A-8111

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