- Course goals:
  - Realize a complex software project in a team under industry-like conditions
  - Learn to work organized in a team and continuously manage and update the following tasks:
    - Team organisation, member specific roles and duties
    - Specification of project task
    - Project planning, Test planning
    - Code management
    - Software design
    - Documentation
    - Risk management
  - use up-to-date project planning tools, methods and software engineering technologies

- Evaluation and Marks:
  - An overall project evaluation will be created by the following criteria
    - degree of specification fulfilment & completeness
    - project complexity
    - transparency of project negotiation
    - overall quality
    - “customer” satisfaction
    - elegance of implementation
    - quality and completeness of documentation and further deliverables
    - final presentation

- Evaluation and Marks:
  - The individual mark comprises:
    - overall project result
    - personal effort
    - Quality & quantity of contributions to code, documentation, specification, project management etc.
    - reliability, team integration
    - each participant will in the middle of the term give an individual presentation of a specific project related topic and his project contribution, which will be assessed

Deliverables

- Documentation
  - Up to date project management document (might be split in several files):
    - regularly updated project plans
    - team structure
    - minutes of meetings and decisions
    - project requirement specification
    - journal for each team member stating effort and performed tasks on a daily base, available on time
    - risk analysis
    - quality assurance and test methods
  - Design document
    - class diagrams, functional description

Deliverables

- Documentation II
  - User manual Admin manual
    - How to work with the software
    - How to install and maintain the software
  - Developer manual
    - How to set up the development environment, how to built the software from source, how to install further necessary tools, how to configure the system
  - All required sources, configuration files, build scripts, templates, data files etc.
  - Files for individual- and for the final project presentation
- All as PDF and editable format

- Organization
  - Each project member shall reports his activities in an Excel Sheet
    - listing what he/she has done and how many hours it took. This Excel sheet has to be up-to-date and acessible by me.
  - 8 CP → 240 hours workload
    - As the presentation is planned in January, the expected reportet effort is 160 hours minimum
    - Weekly progress meeting with all team members and me, will take place at the lecture hours.

- Project Milestones
  - Requirements finalized: 24.10
  - Specification / Architecture: 31.10
  - Technology evaluation preview: 7.11
    - Sample prototypes for used approaches/technologies
  - Prototype acceptance: 14.11
    - The prototype shall demonstrate the ability of the approach to solve the requirements. There shall be no unverified architectural features left to the coding phase
  - 6 Weeks Coding and Testing

    … (Milestones to be proposed by Team)
  - Delivery: 9.1.2012 (All documents, Sources etc.)
    - Basically everything should be done before Dec. 23, 2011
  - Presentation 16.1.2012