

Module name:	Practical Project I
Abbreviation:	BPR1
Study semester:	5 th semester (WS), frequency: once a year
Responsible for module:	Ralf Bruns
Teaching staff:	All teaching staff
Language:	German
Place in curriculum:	Bachelor Compulsory subject 5 th semester
Teaching methods/SWS:	8 SWS project with approx. 13 students
Work required:	Project work = 300 h
Credit points:	10 CP (= 300 h)
Prerequisites acc. to exam regulations:	All module examinations from 1 st and 2 nd semesters
Recommended prerequisites:	Specific to project
Learning goals:	<p>Analytical skills: Ability to independently analyze a given question using scientific methods and findings, ability to familiarize oneself with problems in different areas of application</p> <p>Design/realization skills: Developing solution strategies and implementing them using the knowledge and skills acquired</p> <p>Technological skills: Combining and specifically applying knowledge from different fields</p> <p>Methodological skills: Ability to use different innovative methods to solve practical problems</p> <p>Project management skills: Skills required for project planning, to set up an organizational structure and to steer projects</p> <p>Social skills: Application of conflict-solving strategies, teamwork, communication</p>
Contents:	<p>Working through a complex task in a practical field of application in a project group. The work is characterized by the project-specific organization, planning and execution. The project duration is usually two semesters.</p> <p>As always, the Computer Science department tries to offer the practical projects in cooperation with external partners, usually industrial companies, because the questions and problems treated are usually relevant to business management or industry. As a result, the tasks come from all types of different areas of application.</p>
Examinations:	Experimental work
Media forms:	Project work: Presentation, board, examples, discussion, independent task-solving, assessment of the solutions, individual discussion
Literature:	Specific to the project concerned