

Module	Business Systems Project
Semester	2 and 3
Responsible	Prof. Dr.-Ing., Uwe Lämmel, Prof. Dr.-Ing.
Lecturer	All faculty
Language	English
Curriculum	Core module in the degree programme Master of Business Systems
Type of teaching	<p>Self-management- application of project management skills; discussions at the workplace;</p> <p>Support is given via various communication channels, including email, forum, chat, or wiki. The project work is a major contribution to the workplace study approach of the MBS. A faculty member who is a specialist in the field of the project will supervise the project. The project work is a preparation for the master thesis.</p>
Workload	A full day workshop, approximately 85 hours self-study per semester is required. Focused work throughout the semester is required including communications as well with the supervisor as with colleagues.
Credit points	5 / 5
Prerequisites	Competence and skills as provided in the core modules of the MBS in the 1st semester. Experience in business related field as provided in undergraduate studies and work place experience in the use of information technology in business.
Module objectives	<p>The student gain competencies in identifying and addressing real-world problems related to IT in business using proper research approach. Students become familiar with research methodologies and can apply appropriate research to a task.</p> <p>Knowledge, skills and competence acquired in theory modules are applied and extended to a project. Students gain the competence to apply information technology independently, effectively and efficiently to ensure the success of the enterprise. Student's ability to solve workplace related down-to-earth problems using scientific methods will be improved. Communication skill will be trained in the necessary discussions at the workplace and in the presentation of the results to the class.</p>
Content	<p>Research methodology: quantitative vs. qualitative, explanation-oriented and design-oriented research; empirical research using interviews or questionnaires; Literature research as a basis for applied research in business systems.</p> <p>Students will complete a project in cooperation with industry: action research. The project will focus on the application or the introduction of IT-technologies, or the adaptation or optimization of corporate processes to work seamlessly with IT-systems. A faculty member will simulate the contractor. Students will commence work on the project, the results of which, at its conclusion, are formally presented to their peers and the project supervisors. A final project report that has to follow scientific principles has to be prepared.</p>
Examination	Project thesis and oral presentation of results;
Reading list	<p>Literature on scientific writing, e.g.:</p> <p>Evans, Gruba: How to write a better thesis, Melbourne Univ. Press or Springer, lat. ed.</p> <p>Franklin, M.I.: Understanding Research, Coping with the quantitative - qualitative divide, New York: Routledge, 2012</p> <p>Erik Hofstee: Constructing a Good Dissertation, Exactica, latest edition</p> <p>Supervisors will give literature hints related to the project topic.</p>