

## Course Description    Application Project

**Keywords:** independent scientific research, project work

<b>Target Group:</b>	<b>6th Semester SWB</b>	<b>Module Number:</b>	<b>SWB 645</b>
<b>Workload:</b>	<b>5 ECTS</b>		<b>150 h</b>
<b>Divided into:</b>	<b>Contact time</b>		<b>5 h</b>
	<b>Self-study</b>		<b>135 h</b>
	<b>Exam preparations</b>		<b>10 h</b>
<b>Course language:</b>	<b>German or English</b>		
<b>Module director:</b>	<b>Prof. Dr.-Ing. Reinhard Schmidt</b>		
<b>Valid from:</b>	<b>01.03.2014</b>		

**Requirements:**

Completion of the first study sequence

**Overall Aims of the Module:**

That students gain the ability to explore new engineering questions in the realm of informatics, to understand scientific and technical advancements, and to follow these ideas in the future.

The following courses contribute to the overall aims of this module:

- Required and elective courses
- Application Project
- Internship

Aim of this course:

Students will be capable of independently completing scientific research.

**Contents:**

For the Application Project, the student will work with an advisor during the term on an informatics topic, with an emphasis on engineering approaches.

**Literature:**

Lutz Hering, Heike Hering: Technische Berichte, Vieweg.

**Offered:**

Every semester

**Submodules and Assessment:**

<b>Type of instruction/learning:</b>	Project Work
<b>Type of assessment:</b>	Report and presentation
<b>Estimated student workload:</b>	150 hours

**Learning outcomes:**

Students should be able to independently complete scientific research.

**Overall Assessment:**

Report and graded presentation