Module name	**VDI2206- Development of Mechatronic Systems**
Module coordinator/ Responsible for the module	*Prof. Dr. S. Roth*
Qualification goals	*incomplete !* *The targeted and systematic design and development of new products and processes is the most important engineering activity in the manufacturing industry today. The requirements for efficiency and success orientation of the development process are increasing from year to year to the same extent that development times and specific development costs are decreasing. The VDI 2206 guideline is intended to provide methodical support for the cross-domain development of mechatronic systems. In this module, students are therefore shown procedures, methods and tools for the early phase of development with a focus on system design. The development methodology is to be put into practice in the modules Workshop II and Project Work.*
Module contents	
Teaching methods	*2LVS seminar lecture* *2LVS exercise*
Requirements for participation	
Literature/ multimedia teaching and learning programs	
Textbook author	-
Usability	*Master Mechatronics & Robotics*
Workload/ Total workload	*150 hours, of which 60 LVS attendance time*
ECTS and weighting of the grade in the overall grade	*5 ECTS* *5/90*
Proof of performance	*written examination, 120min, examination prerequisite: graded assignment*
Semester	*Summer semester*
Frequency of the offer	*annually in the summer semester*
Duration	*one semester*
Type of course (compulsory, optional, etc.)	*Compulsory elective module*
Special	-

Status: 07.11.2016