

Joint Master's program Biomedical Engineering

X4M 6000 and X4M 8000	Thesis and examination
Aims:	<p>The students shall know about the application of current medical products in diagnosis and therapy and be able to critically evaluate data and draw conclusions.</p> <p>The students shall acquire consolidated knowledge of physical, electrical, and mechanical principles applied in medical products.</p> <p>The students shall independently cope with a defined problem in medical technology and be able to use creativity to develop new and original ideas and methods.</p> <p>The students shall be enabled to independently develop medical products according to relevant standards.</p> <p>The students shall be able to present results of their work and should have a knowledge of the non-technical implications of engineering practice.</p> <p>The students shall be prepared for the international labour market and should have the ability to work and communicate effectively in national and international contexts.</p> <p>The students shall apply research methods.</p>
Workload:	Self-study: 900 h
Credit-points:	Thesis: 30 Examination: 2
Person responsible for module:	Stephan Klein
Language:	Working language: depending on country Thesis and examination: English
Curriculum:	Master's program Biomedical Engineering, 4th Semester
Prerequisites according to examination regulations	<p>Thesis: all credits from 1st semester and at least 20 credits from 2nd semester</p> <p>Final Examination: all credits from 1st and 2nd semester plus research internship and student conference</p>
Recommended prerequisites:	All credits from 1 st and 2 nd semester plus research internship
Content:	The students work on a defined task independently and present their work in writing as well as oral.
Examination:	Thesis, oral examination