

Joint Master's program Biomedical Engineering

Module X4M 2000: Clinical Application	
Aims and learning outcomes:	<p>The students shall acquire basic knowledge in medicine, learn to communicate with physicians adequately, and learn about the application of modern medical products.</p> <p>The students shall get consolidated knowledge of current medical products used for diagnosis and therapy.</p> <p>The students shall learn about the application of medical products in diagnosis as well as in therapy.</p>
Workload:	<p>Lecture attendance: 60 h</p> <p>Self-study: 30 h</p>
Credit-points:	4
Person responsible for module:	Stephan Klein
Courses (lecturer):	Clinical Application of Medical Technology lecture and practical (several)
Language:	English
Curriculum:	Master's program Biomedical Engineering, 2nd Semester
Clinical Application	Lecture and project, 4 SWS
Content:	<p>Lectures might vary from semester to semester. The numeration below lists some examples</p> <ul style="list-style-type: none"> Navigation in Surgery Digital Breast Tomosynthesis Pediatric Medical Devices Modern Techniques in Trauma/and Orthopedic Surgery Neuroradiology Nuclearmedicine Advanced Technologies in Head and Neck Surgery Minimal Invasive Surgery Radiation Therapy Equipment Planning Neurooncology Heart valve prostheses / Mechanical circulatory support Pathology Radiology Abdominal Imaging Anaesthesiology Dermatology
Literature:	Hand-outs and presentations from lecturers
Examination:	Written examination (multiple choice)
Teaching methods:	Board, transparencies, LCD-projector, visits in labs and clinics