Courses in English
Course Description

Department 06 Applied Sciences and Mechatronics
Course title Physical Modelling and Simulation
Hours per week (SWS) 4
Number of ECTS credits 6
Course objective Methods, numerical techniques and software (Comsol) to model physical systems in the field of micro- and nanotechnology, photonics and biotechnology
Prerequisites solid background in physics
Recommended reading Roger W. Pryor, Multiphysics Modeling Using COMSOL 5 and MATLAB, 2017 Mercury Learning and Information 2017
Teaching methods 2 SWS lecture and 2 SWS computer lab class
Assessment methods combined computer and written examination
Language of instruction English
Name of lecturer Prof. A. Kersch
Email akersch@hm.edu
Link http://www.fb06.fh-muenchen.de/fb/index.php/de/vita.html?staffid=571
Course content Introduction to Finite Element Methods (FEM) to the solution of partial differential equations in physics tog.