

Courses in English

Course Description

Department	02 Civil Engineering
Course title	Finite Elements for Plates
Hours per week (SWS)	4
Number of ECTS credits	5
Course objective	The students learn how to analyse reinforced concrete plates using the Finite Element Method
Prerequisites	Basic knowledge in Structural Mechanics
Recommended reading	Lecture Notes
Teaching methods	Lecture plus Lab (PC)
Assessment methods	Final Exam
Language of instruction	English
Name of lecturer	Prof. Dr.-Ing. Christof Hausser
Email	hausser@hm.edu
Link	Hochschule München - Homepage Prof. Dipl.-Ing. Christof Hausser-Fakultät Bauingenieurwesen - Hochsc
Course content	Introduction to the Finite Element Method Introduction to the Theory of Elastic Plates Training on the FE-program RFEM 5.0 Choice of Structural Models Boundary Conditions, Loads and Meshing Singularities, Columns and Binding Girders Design of Steel Reinforcement
Remarks	