

## Courses in English Course Description

<b>Department</b>	02 Civil Engineering
<b>Course title</b>	<b>Finite Elements for Plates</b>
<b>Hours per week (SWS)</b>	4
<b>Number of ECTS credits</b>	5
<b>Course objective</b>	The students learn how to analyse reinforced concrete plates using the Finite Element Method.
<b>Prerequisites</b>	Basic knowledge in Structural Mechanics.
<b>Recommended reading</b>	Lecture notes
<b>Teaching methods</b>	Lecture plus Lab (PC)
<b>Assessment methods</b>	Final exam
<b>Language of instruction</b>	English
<b>Name of lecturer</b>	Prof. Dr.-Ing. Christof Hausser
<b>Email</b>	<a href="mailto:hausser@hm.edu">hausser@hm.edu</a>
<b>Link</b>	<a href="https://www.bau.hm.edu/die_fakultaet/ansprechpartner/professoren/profhausser/prof_hausser.de.html">https://www.bau.hm.edu/die_fakultaet/ansprechpartner/professoren/profhausser/prof_hausser.de.html</a>
<b>Course content</b>	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 Biding Girders Design of Steel Reinforcement
<b>Remarks</b>	