Announcement

Lecture “Finite Elements for Plates”

Bachelor Program Civil Engineering, Study Group 6IK/7S
5 ECTS, 4 hours/week (4 SWS)

The lecture „Finite Element for Plates“ will be offered as a bilingual class in english and german subject to approval by the department council.

Handouts, assignments and exams will be provided both in english and german. The lecture will be taught in english for the most part. However, there will be enough time to ask and discuss questions in german.

Course outline:
- 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

gez. Prof. Dr.-Ing. C. Hausser