

# Komplex Design 9th semester

## Loadbearing structures

**The aim of the semester:** detailed structural analysis of the part of the project appointed for elaboration during the semester

**Precondition of the fulfilment:** min. two consultations

### **Parts of the project to be submitted at the end of the semester**

- Submission of the architectural drawings of the stable, structurally correct building to the department of design detailed as required by the department
- Correction of the structural sketches made in the previous semester carrying over eventual modifications
- Static calculations and dimensioning of the appointed structural details and members (in more complicated cases approximate methods proposed by the consultant can be used)
- All calculations should be controlled by manual calculation methods, also when using computerized methods
- Completion of the structural technical description made in the previous semester, revision of it if needed
- Justification of the adopted dimensions by approximate calculations
- Detailed structural projects of the appointed part of the building with the necessary details at scale of the architectural project (sketches of the reinforcement, structural details, connections)