

**134STS3 Steel Structures 3**

Lecturer František Wald  
Term Winter  
Credits 3 (2+1) credit + exam  
Type Compulsory

Lectures:

1. Stability of frames – imperfections
2. Stability of frames – modelling and analyses
3. Connection design - moment connections
4. Connection design - column bases
5. Connection design - fire and seismic
6. Excursion to the building site
7. Tubular structures
8. Lateral torsional buckling, torsion
9. Plate buckling; built-up compression members
10. Design of steel to concrete composite structures
11. High-rise buildings
12. Structures of large spans, stadiums, halls
13. Aluminium structures

Conditions – passed subjects: STS1, STS2 (or equivalent subjects)