**List of workshops**

Practical lesson 1: The equilibrium conditions for rod systems. Determination of reactions of connections.

Practical lesson 2: statically indeterminate problems.

Practical lesson 3: Building diagrams longitudinal forces, determination of the stresses in the cross-sections of straight bars.

Practical lesson 4: Determination of stresses and strains in the transverse cross-sections straight bars. Statically indeterminate system.

Practical lesson 5: Building diagrams torques.

Practical lesson 6: Determination of stresses and displacements in torsion of round bars.

Practical lesson 7: Construction of diagrams of bending moments and shear forces.

Practical lesson 8: Determination of normal stress in pure bending.

Practical lesson 9: Determination of normal and tangential stresses in transverse bending.

Practical lesson 10: Calculations on the flexural strength of beams.

Practical lesson 11: Determination of displacements in the core systems. Integral movement Maxwell-Mohr.

Practical lesson 12: Building diagrams internal force factors in the frames.

Practical lesson 13: The method of forces.

Practical lesson 14: Problem Euler. Determination of critical loads.

Practical lesson 15: Practical methods for the solution of the Euler problem.