

**Course name: FOUNDATIONS; Course code: 19284116H**Field of study: **Civil Engineering**, semester 6, Bachelor's degreeAssessment methods:

Lecture – written exam

Project – partial verification of the projects, two projects completion, two written tests

Assessment criteria:**Lecture:**

A written answer to 5 topics on Foundations.

For each answer is awarded from 0 to 1 point.

On Sufficient grade (3.0) – minimum 2.5 points

On Sufficient plus grade (3.5) – minimum 3.0 points

On Good grade (4.0) – minimum 4.0 points

On Good plus grade (4.5) – minimum 4.4 points

On Very good grade (5.0) – minimum 4.8 points

**Project:**

The final evaluation consists of:

- partial verification of projects – 10%
- correct execution and timely submission of both projects – 60%
- two written tests passed with a positive grade – 30%

The assessment applies to:

- ✓ partial verification,
- ✓ parts of the projects: technical description, calculations and designing in accordance with the Eurocodes, technical and structural drawings,
- ✓ defence of the projects,
- ✓ timely submission of each project.

On Sufficient grade (3.0) Student:

1. can select the type of foundation, depending on the type of structure and soil-water conditions,
2. can determine geotechnical parameters of the subsoil layers,
3. can design pad footings and cantilever retaining walls in accordance with the recommendations Eurocode 7,
4. is able to justify the solutions adopted in the project,
5. passes two written tests with an average grade of at least sufficient (3.0).

On Good grade (4.0) Student:

6. meets the requirements of points 1 – 4,
7. knows and understands the rules of the subsoil-foundations interactions,
8. knows and understands the rules of acting earth pressures on cantilever retaining wall,
9. passes two written tests with an average grade of at least good (4.0).

On Very good grade (5.0) Student:

10. meets the requirements of points 1 – 4 and 7 – 8,
11. can determine priorities at the selection of materials for the designed structures,
12. Is able to correctly perform structural calculations of foundation footings and retaining walls according to Eurocode 2,
13. passes two written tests with an average grade of at least very good (5.0).