

Evaluation criteria for the Entrance exam at the PhD in Structural and Geotechnical Engineering (Cycle XXXIX)

Titles and oral test will be evaluated according to the following evaluation grid:

1. Titles (maximum 30 points)

1.1 *Graduation grade/Arithmetic average* (master, two years specialistic or one-cycle – up to 10 points)

Students who will discuss the thesis before the scheduled date for the evaluation of the qualifications are required to inform the Course Coordinator or the Commission President of the graduation grade, while those who will discuss the thesis after the date set for the evaluation of the titles, but still before 31 October 2023, they will be evaluated on the basis of the arithmetic mean mark of the exams taken.

Note: in case of applicants with foreign evaluation marks, the Evaluation Committee will establish the proper correspondence.

1.2 *Evaluation of the Curriculum and motivations to undertake the doctoral path* (up to 10 points)

Evaluation of the Curriculum based on consistency with the objectives of the Doctoral Course, quality of profile outlined, marks in the disciplines related to Solids and Structural Mechanics, Structural Engineering or Geotechnical Engineering. Clarity and completeness in the description of motivations and expectations in relation to the experience of the Doctorate.

1.3 *Publications* (up to 3 points)

1.4 *Research experiences* (up to 3 points)

Research collaboration contracts, research training courses, at least two months of experience abroad (including Erasmus).

1.5 *Letters of reference* (up to 2 points)

1.6. *Other acknowledgments* (e.g. awarding in competitions, second degree, etc.) (up to 2 points)

The title test is considered passed with a minimum score of 10/30.

2. Oral test (maximum 70 points)

Candidates who have a vote of at least 10/30 are admitted to the oral test. In-depth details on:

- a discussion on the qualifications presented; the study and research interests of the candidate, also through the discussion of the master's degree thesis. The use of presentations in digital format is permitted.

- a verification of the basic knowledge of the disciplines Science and Technology of Construction or Geotechnics (depending on the curriculum selected by the candidate). This verification may also take place by making use of oral and/or written exposure. The candidate may be asked to integrate the oral discussion, with writings, graphs, formulas and synopsis schemes.

In detail, the evaluation of the interview will be based on the following points.

- Discussion of issues relating to the candidate's research interests and master's thesis and, in the case of application for the increased scholarship, verification of the skills referred to specific research projects (up to 35 points).
- Fundamental topics of Solids and Structural Mechanics, Structural Engineering or Geotechnical Engineering (depending on the resume selected by the candidate), (up to 35 points).

Knowledge of the English language and, for foreign candidates, basic knowledge of the Italian language will also be verified for all candidates.

Finally, the competence regarding the issues associated with the scholarships funded under the Ministerial Decree 118 (Digital, Generic, Public Administration and Cultural Heritage) and Extended Partnerships will be eventually verified.

The oral test is considered passed with a minimum score of 50/70.

The overall minimum score for PhD admission is 60/100.