

Regulation of the Doctoral course in Science and Engineering for the Environment and Sustainability

(pursuant to art. 20 of the University Regulation for Research Doctorates)

Declaration:

Nowadays Europe is facing environmental, economic, and social challenges of unique scale and urgency. To achieve the sustainability objectives of the UN 2030 Agenda and pave the way for the EU objectives of climate neutrality by 2050, an acceleration of knowledge and a transformation of the economy and society are needed. These changes must consider the alarming environmental state of the planet, the growing impact of climate change, and the unsustainable use of natural resources.

The **PhD in Science and Engineering for the Environment and Sustainability** lasts three years and explores, with its three training curricula, all areas of intervention of the UN 2030 Agenda, the European Green Deal, and the PNRR, to guarantee full alignment of doctoral students with the current and future challenges of the environmental transition.

The Doctorate is aimed at master's graduates with the vocation to face future challenges, starting from the current state of knowledge to seek innovative solutions that respect the environment. The possibility of continuous connection with different scientific cultures will allow the student to address research topics with a multidisciplinary and interdisciplinary approach, while maintaining a high level of specialization.

Art. 1 – Structure of the Doctoral Course

The PhD in Science and Engineering for the Environment and Sustainability, which is part of the Polytechnic and Basic Sciences Doctorate School of the University of Campania “Luigi Vanvitelli”, is divided into three curricula:

- Natural resources, environment, agriculture and food
- Sustainable civil engineering
- Circular economy of goods and services.

Art. 2 – Educational-scientific training program

1. The training program is approved by the Board of Professors, usually within the month of October, with an indication of the teaching modules and seminar cycles, their program and the corresponding training credits.
2. At the beginning of the first year of the PhD Course and in any case within the month of December, each doctoral student formulates a proposal concerning the training program and the scientific activities, according to the guidelines of the PhD Course. On the basis of this proposal, the Board of Professors assigns to each doctoral student the educational program within the activities defined by the Manifesto, a supervisor and a co-supervisor, who can also be chosen among professors and external experts, provided they have proven scientific qualification in coherent macro-sectors with the aims of the Doctorate.
3. As an integral part of the training project, upon request of the doctoral student, the Board of Professors can entrust tutoring activities (starting from the 1st year) and supplementary teaching (starting from the 2nd year) within the teaching modules of the Bachelor's and Master's degree courses. The request for assignment must indicate the teaching modules and hours which will be covered, within the limits established by law.

Art. 3 – Admission to subsequent years and final exam

1. Each doctoral student must submit to the Board of Professors a report on the overall activity carried out during the current doctoral year by mid-October. The Board of Professors, by the end of October, having heard the opinion of the supervisor, decides on admission to the following year, on the basis of the end-of-year report and the oral presentation of the training and scientific activities carried out by the doctoral student.
2. Doctoral students who must take the final exam, in addition to what is stated in paragraph 1, must present a summary of the doctoral thesis with an indication of the scientific publications produced and the training

activities carried out during the Doctoral Course, with particular reference to those carried out at other locations, as required by the following Art. 4. The Board of Professors decides on admission to the final exam by the end of October also on the basis of the evaluation provided by two external evaluators.

Art. 4 – Training period at other universities or research institutions

Each doctoral student can request to carry out training periods abroad or in Italy, lasting no more than 18 months. The training periods could be carried out at universities or public and private research institutes, even those not supervised by the Ministry of University and Research. The supervisor communicates in advance to the Coordinator the methods and times for carrying out this activity, with an indication of the coverage of expenses, even partial ones. The Coordinator submits the training plan for approval to the Board, also electronically, to grant authorization for the training period abroad. The Board of Professors approves it at the first meeting following its conclusion.

Art. 5 – Community language required for admission.

The community language required for admission to the doctoral course is English.

Art. 6 – Teaching staff

By the month of May, and in any case in time for the submission of the application for the accreditation of the Doctorate, the Board of Professors may decide to modify the composition of the Board of Professors, including the addition of other members in possession of the scientific qualification required by the accreditation procedure of the doctoral course.

Art. 7 – Secretary of the Board of Professors and minutes of the meetings of the Board of Professors.

At the beginning of the doctoral cycle, the Coordinator will appoint a Secretary of the Board of Professors who will have the task of keeping minutes of the meetings of the Board of Professors.

Art. 8 – Self-Assessment and Quality Assurance Commission

1. At the beginning of the doctoral cycle, the Coordinator appoints a Self-Assessment and Quality Assurance Commission, composed of a representative of the students of the doctoral cycle elected among all those enrolled in the reference cycle, and two professors belonging to the Board of Professors, among where a contact person for the Quality Assurance of the Doctoral Course is identified.
2. The Commission carries out periodic Self-Assessment of the Doctoral Course as well as manages the Quality Assurance System for the planning and management of doctoral training, in accordance with the Standards for Quality Assurance in the European Higher Education Area (EHEA).
3. Initially, the Self-Assessment and Quality Assurance activities will be regulated by specific guidelines that the Commission will prepare within three months of appointment. They must at least include the drafting of course evaluation questionnaires by students and teachers.

Art. 9 – Steering Committee

The Steering Committee has the aim of bringing the interest of the productive world, the public administration, and research institutions into the Doctoral Course, so as to propose objectives and training activities also linked to scientific and applied research topics not included in the Department's activities. The Committee is composed by the Coordinator, the two Department Directors, and members chosen among representatives of the industry sector, public administration, experts and researchers from institutions in sectors of interest to the Doctoral Course, and with appropriate scientific and/or professional qualifications. The Committee is appointed by the Coordinator, after consulting the Board of Professors, and remains in office for a doctoral cycle. The Committee meets at least once a year, suggesting to the Board of Professors changes and/or additions to the training and scientific activities envisaged by the Doctoral Course.

Art. 10 – Coordination Group

The Coordination Group is made up of three members of the Board of Professors, appointed by the Coordinator. The Coordination Group has the aim of assisting the Coordinator in managing the careers of doctoral students, together with the Secretary of the Board of Professors.