



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA

**STUDENT REGULATIONS OF THE 2<sup>nd</sup> CYCLE DEGREE IN**

**SCIENZE E GESTIONE DELLA NATURA (LM-60)**

**SCIENCES AND MANAGEMENT OF NATURE**

Bologna Campus

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## Second Cycle Degree Programme in Scienze e Gestione della Natura / Sciences and Management of Nature

### Art. 1 Admission requirements

- **Admission requirements**

Admission to the 2<sup>nd</sup> cycle degree program in Sciences and Management of Nature is subject to the possession of a three-year university degree or other suitable qualification obtained abroad. Moreover, candidates must meet the curricular requirements and their personal competences and skills deemed satisfactory for admission to the course.

To successfully attend the 2<sup>nd</sup> cycle degree program in Sciences and Management of Nature proficiency of the scientific and experimental method is required, while also having acquired an adequate knowledge regarding mathematical-statistical, physical-chemical, bio-ecological, socio-economical topics, in variable proportion on the basis of the past Degree Course.

#### Curricular requirements:

1. A first cycle degree in one of the following classes:

ex Italian Ministerial Decree no. 270:

- Scienze e Tecnologie per l'Ambiente e la Natura (L-32)
- Scienze Biologiche (L-13)
- Scienze Geologiche (L-34)
- Scienze e Tecnologie Agrarie e Forestali (L-25)

ex. Italian Ministerial Decree no. 509/99:

- Scienze e Tecnologie per l'Ambiente e la Natura (Classe 27)
- Scienze Biologiche (Classe 12)
- Scienze della Terra (Classe 16)
- Scienze e Tecnologie Agrarie, Agroalimentari e Forestali (Classe 20)

Previous four/five-year degree program system:

- Scienze Ambientali
- Scienze Biologiche
- Scienze Geologiche
- Scienze Naturali
- Scienze Agrarie
- Scienze Forestali

**Or**

1. 36 CFU/ECTS in the following learning subjects:

- MAT/01-09; INF/01, ING-INF/05, SECS-S/01-02, FIS/01-08, at least 12 CFU/ECTS
- CHIM/01/02/03/06/12, at least 6 CFU/ECTS
- BIO/01-19, GEO/01-12, at least 18 CFU

## **Assessment of personal competences and skills**

Admission to the degree programme is subject to the passing of a test to assess the candidates' personal competences and skills. The assessment of candidates' personal competences and skills suitability is performed by a designed Commission, selected by the Course, based on the level of knowledge in the following subjected areas:

- Mathematical-Statistical
- Physical-Chemical
- Bio-Ecological
- Socio-Economical

This assessment will be carried out with the analysis of candidates' curriculum and, in all cases identified by the Commission, on the basis of an eventual interview according to modalities, criteria and procedures selected by the Degree Programme Board and published on the website of the program.

## **Assessment of knowledge of English language**

To access the 2<sup>nd</sup> cycle degree program English level knowledge of B1 level is required, according to the European common Framework of reference for languages knowledge.

To access the International curriculum in Global Change Ecology and SDGs an English language certification of B2 level is required. Please visit the website of the programme to check how to satisfy this requirement.

## **Art. 2 Mobility rules between Degree Programme curricula. Individual study plans.**

Students may choose from the courses available in the course structure diagram, following the methods indicated in the structure itself and in the terms indicated annually the School and published on the University website.

Individual study plans may be presented and transfer between the provided curricula is permitted, in the terms laid down annually by the School and published on the University website.

The Degree Programme Board assesses the study plans presented on the basis of their coherence with the Degree Programme Teaching regulations and the

- coherence with the learning outcomes of the degree programme
- It also checks that the number of exams, course units and relative credits are no lower than the corresponding number laid down in the official Course Structure Diagram.

According to the same criteria, the Degree Programme Board also assesses the applications to transfer between curricula.

## **Art. 3 Implementation of learning activities and types of teaching activities**

The enclosed teaching plan indicates all the learning activities and their division into hours of classroom teaching, practical exercises or internship, as well as the type of teaching methods.

Any further information will be published annually on the University website.

## **Art. 4 Attendance and preparatory activities**

Compulsory attendance of the teaching activities is indicated in the attached teaching plan, together with any preparatory activities involved in the individual learning activities.

The methods of compulsory attendance and any verification thereof are laid down annually by the degree programme during the presentation of the teaching plan and are notified to the students via the University website prior to the start of the programme.

### **Art. 5 Flexible pathway**

The student can choose the flexible pathway that allows to complete the course of study in a time longer or shorter to the normal duration (2 years for the Second Cycle degree programmes) according to the procedures laid down in the University Teaching Regulation.

The teaching activities foreseen by the course of study, in case of necessary disablement, can be replaced, to guarantee the quality and sustainability of the educational offer.

### **Art. 6 Assessment of learning activities**

The attached teaching plan indicates all cases in which the learning activities end with an exam, marked with a score out of 30 or by simple “pass” in the case of having acquired the relative competencies. The assessment methods (oral, written or practical exam or any combination thereof; individual or group exams) are laid down annually by the Degree Programme during the presentation of the teaching plan and notified to the students via the University website prior to start of the programme.

### **Art. 7 Elective learning activities**

Students may select one or more learning activities autonomously from among those identified annually by the Degree Programme Board and published on the University website.

If students intend to sit exams concerning an activity that is not included among those identified by the Degree Programme Board, they should apply to the Degree Programme Board in the terms laid down annually and published on the University website. The Board will assess the coherence of the choice with the student’s study programme.

### **Art. 8 Criteria for the recognition of credits acquired in degree programmes in the same class**

The acquired university credits are recognised up to the number of credits indicated for the same subject area.

If having recognised the credits according to the provisions of this regulation, there are unused residual credits, the Degree Programme Board may recognise them by assessing the specific case in coherence with the teaching and cultural affinities.

Referring to degree programmes delivered in a language other than Italian, recognition refers to course units delivered or learning activities undertaken in that language.

### **Art. 9 Criteria for the recognition of credits acquired within degree programmes in different classes, from telematic universities or international degree programmes**

The acquired credits are recognised by the Degree Programme Board according to the following criteria:

- analysis of the course contents
- assessment of the coherence of the scientific-disciplinary fields and the contents of the learning activities in which the student has acquired the credits with the specific learning outcomes of the study programme and the individual learning activities to be recognised, in any case pursuing the aim of promoting student mobility.

The credits are recognised up to the maximum number of university credits provided for in the programme.

If having recognised the credits according to the provisions of this regulation, there are unused residual credits, the Degree Programme Board may recognise them by assessing the specific case in coherence with the teaching and cultural affinities.

Referring to degree programmes delivered in a language other than Italian, recognition refers to course units delivered or learning activities undertaken in that language.

#### **Art. 10 Criteria for the recognition of extra-university competencies and skills**

Competences acquired outside of the university may be recognised in the following cases:

- professional knowledge and skills certified under the terms of the applicable laws;
- competences and skills acquired in post-graduate learning activities run or planned by the University.

The request for recognition shall be assessed by the Degree Programme Board considering the indications of the academic bodies and the maximum number of recognisable credits laid down in the Degree Programme Teaching Regulations.

This recognition is subject to the activities being coherent with the specific learning outcomes of the degree programme and the learning activities which are recognised, also in consideration of the contents and duration in hours of the implemented activity.

#### **Art. 11 Internships for the preparation of the final examination or linked to a project aiming to develop learning and academic skills**

At the request of the student, the Degree Programme may, following the procedures laid down in the University Regulations concerning internships and international mobility programmes, and in compliance with EU laws, authorise an internship for the purposes of the **final examination or preparing the dissertation** or in any case linked to a project aiming to develop learning and academic skills.

These learning experiences shall not exceed 12 months, and shall be completed by the date of graduation; learning credits may be awarded:

- within the quota for the final examination;
- for the internship activities laid down in the course structure diagram;
- for elective activities counting towards the internship;
- for additional activities, the credits for which exceed the number required for graduation.

### **Art. 12 Final examination methods**

The final examination to graduate in the 2<sup>nd</sup> cycle degree programme consists in the production and public discussion of an original dissertation based on a topic that is consistent with the programme objectives, under the guidance of a supervising professor.

The dissertation must demonstrate the students' command of the subject, critical skills, ability to work autonomously and strong communication skills.

### **Art. 13 Correspondence between the credits assigned to each learning activity and the planned learning outcomes**

On 16/12/2022 the Joint Teacher-Student Committee expressed its favourable opinion under the terms of article 12 para. 3 of Ministerial Decree no. 270/04.



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