

Art. 22

Final rules

Publicity and entry into force



# DIDACTIC REGULATIONS OF THE DEGREE PROGRAM BUILDING ENGINEERING FOR SUSTAINABILITY

CLASS LM-24

School: Polytechnic and Basic Sciences of the University of Naples Federico II

**Department: Civil, Building and Environmental Engineering (DICEA)** 

Regulation in force starting from the academic year: 2025-2026

#### **ACRONYMS**

CCD CdS CFU CPDS OFA SUA-CdS RDA	[Commissione di Coordinamento Didattico] [Corso/i di Studio] [Crediti Formativi Universitari = 1 ECTS] [Commissione Paritetica Docenti-Studenti] [Obblighi Formativi Aggiuntivi] [Scheda Unica Annuale del Corso di Studio] [Regolamento Didattico di Ateneo]	Didactic Coordination Commission Degree Program University training credits Joint Teachers-Students Committee Additional Training Obligations Annual single form of the Degree Program University Didactic Regulations
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# Art. 1 Object

- 1. This Regulation governs the organizational aspects of the Course of Study in Building Engineering for Sustainability (class LM- 24 Building Systems Engineering). Its name in English is Building Engineering. The Course of Study is taught in Italian and is a conventional course of study. The Course of Study in Building Engineering for Sustainability is part of the Department of Civil, Building and Environmental Engineering (DICEA) of the University of Naples Federico II.
- 2. The Degree Course is governed by the Teaching Coordination Commission (CCD), pursuant to Art. 4 of the University Teaching Regulations (RDA). Furthermore, some sub-commissions have been established with specific instructional tasks pursuant to paragraph 4 of art.4 of the same RDA.
- 3. The Regulation is issued in accordance with the current legislation on the matter, the Statute of the University of Naples Federico II and the University Teaching Regulations.

#### Art. 2

### **Training objectives**

The specific objective of the master's degree course in Building Engineering for Sustainability is to train a highly professional figure who, thanks to an aware interdisciplinary preparation, is able to modify, conserve or trigger virtuous relationships between the two complex systems that the Building Engineer for Sustainability is called upon to integrate: the environmental system, in which natural aspects prevail, and the anthropic system, in which physical, economic and social aspects prevail. Overall, the training course is organised in such a way that the student acquires, through both characterising and related subjects, knowledge that is useful for tackling the challenges that this historical period imposes, such as climate change, demographic evolution, migration, energy transition, digital transition, etc.

To this end, the main specific objectives, considered priorities for the training of the Building Engineer of the near future, are recalled below:

- climate change adaptation of structures and buildings;
- building rehabilitation;
- urban regeneration;
- disaster resilience of structures and buildings;
- reduction of energy consumption from fossil fuels;
- minimisation of air and noise pollution;
- improvement of living comfort;
- improvement of urban comfort;
- environmentally sustainable management of buildings and use of environmentally friendly and recyclable materials;
- use of renewable energies.

The legal duration of the course of study is two years.

The degree is awarded after having acquired 120 Formative Credits (CFU) by passing a maximum of twelve examinations, including the final exam, some of which the student may choose independently, and carrying out other educational activities. To acquire the Formative Credits relating to the autonomous choice activities, the student may choose three courses from among those recommended and one free-choice course from among all those offered by the University. The teachings refer to characterising training activities, related activities and supplementary activities.

Characterising educational activities are part of the engineer's technical training and are contained within the two disciplinary areas (architecture and town planning and building and environment)

indicated in the annex to DM 1649/23 as indispensable educational activities. For these activities the minimum number of CFUs to be delivered is 45.

The related activities defined in the Course of Study are aimed at the acquisition of knowledge and skills functionally correlated to the cultural and professional profile identified by the course of study, as set out in the Guidelines for the drafting of the CUN 2025/26 Teaching Regulations. The related activities, which make up almost all the elective courses, do not refer to specific disciplinary sectors but to the training preferences chosen by the individual student and which are functional to the achievement of the educational objectives of the degree course.

#### Art. 3

### Professional profile and work opportunities

Graduates of the degree course in Building Engineering for Sustainability can hold positions of responsibility and coordinate the work of teams composed of different professions. Building Engineers for Sustainability will be the most suitable professional figures to perform and coordinate complex project activities, at the building and urban scale, to control, manage and monitor construction and building processes also with the support of innovative tools offered by new information technologies. Graduates will be able to participate in and lead the development of plans and tools for governing urban transformations and will be able to guide the processes of transformation of the city and the territory.

Graduates of the master's degree courses in the class will have the task of interpreting and solving complex problems both at the building scale (structural, plant engineering, construction, compositional, formal, functional) and at the urban scale (physical, functional, anthropic and environmental aspects), through the adoption of a holistic-systemic approach. They will have to be able to appropriately use professionally effective communication techniques, data management tools and advanced modelling to design building works and artefacts. Furthermore, they must acquire managerial skills to develop and manage the building process in its various phases, from design to decommissioning of artefacts, from forecasting transformations of urban space to the regeneration of degraded areas, ensuring building, urban and environmental sustainability.

The skills acquired during the training path include advanced knowledge in building systems engineering, with a solid theoretical-scientific basis in physical and applied sciences in order to improve environmental comfort and the usability of built spaces, in relation to the typologies, use and structures of buildings; to their construction, redevelopment and recovery. Students acquire skills in the cognitive foundations and application tools of infographic modelling, BIM and HBIM, virtual representation, as well as technologies for the acquisition, management and interpretation of data relating to design and construction processes relating to construction and urban planning. Furthermore, they include the analysis of risks and safety related to building activities, on construction sites and in the workplace, and the related procedures necessary to mitigate or eliminate dangerous conditions. Upon completion of the training path, graduates will acquire the necessary qualification to be able to practice the profession of engineer.

Graduates can find career opportunities in engineering firms, construction companies, management and maintenance of building works, service companies, public and private entities, organizations active in international cooperation, professional firms, consulting, insurance and real estate companies. Possible roles include the design of new building structures, together with the digital, functional, technological, structural, geotechnical and plant management of both existing and newly built structures. Other career opportunities include the economic planning of interventions, expert technical support in construction litigation, management of construction procedures and organization of temporary construction sites, in addition to the assessment of environmental impacts.

# Admission requirements and knowledge required for access to the Degree Program<sup>1</sup>

To be admitted to the Master's Degree in Building Engineering for Sustainability, it is necessary to have a three-year degree or university diploma or another qualification obtained abroad, recognized as suitable. It is also necessary to have curricular requirements and personal preparation that include an adequate mastery of knowledge and methods that are preparatory and consistent with the master's degree course.

Enrolment in the Master's Degree Course needs curricular requirements that provide an adequate mastery of general scientific methods and content in the disciplines preparatory to the characterising disciplines of the Class.

To be admitted to the Master's Degree Course, in compliance with Article 6, Paragraph 2 of Italian Ministerial Decree No. 270/04, it is necessary to own a degree or a three-year university diploma or another qualification obtained abroad and recognised as suitable.

In addition, specific curricular requirements and adequate personal preparation of the student are required.

Curricular requirements are automatically met by graduates in Building Engineering for Sustainability (L-23).

Enrolment in the degree programme for graduates in other classes requires a minimum number of CFUs for the SSD groupings listed below:

- Math03/A (MAT/05), Math02/B (MAT/03), Math04/A (MAT/07), Math06/A (MAT/09), Math05/A (MAT/08), Math03/B (MAT/06), IINF05/A (ING/INF/05), Stat01/A (SECS-S/01), Stat01/B (SECS-S/02) at least 30;
- Cear01/A (ICAR/01), Cear01/B (ICAR/02) at least 3 CFU;
- Cear05/A (ICAR/07), Geos03/B (GEO/05) at least 6 CFU;
- Cear03/A (ICAR/04), Cear03/B (ICAR/05), Cear12/A (ICAR/20) at least 9 CFU;
- Cear06/A (ICAR/08), Cear07/A (ICAR/09) at least 12 CFU.

A knowledge of English at level B2, according to the Common European Framework of Reference for Languages, is also required. The student may acquire the required level of knowledge, in written and oral form, of at least one European Union language in addition to Italian, during the course of study, prior to the final examination.

#### Art. 5

#### Procedures for access to the Degree Program (CdS)

The methods of access to the course are regulated in accordance with the Resolution of the Polytechnic School and Basic Sciences (SPSB) of 11.02.2025. In accordance with the same resolution, requests for admission to the Master's Degree Course by students who do not meet the criteria for automatic admission defined therein will be examined by the CCD which will assess with unquestionable judgment the admissibility of the request, establishing any obligations by the interested party for the purposes of admission to the Course. Registration can be completed by following the online procedure available on the website www.segrepass.unina.it only until December 31st. Afterwards (in any case until March 31st) it must be submitted in paper form to the Student Secretariat.

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<sup>&</sup>lt;sup>1</sup>Articles 7, 13, 14 of the University Teaching Regulations.

# Teaching activities and university training credit (Teaching activities and CFU)

Each training activity prescribed by the CdS regulations is measured in university training credits (CFU). Each CFU conventionally corresponds to 25 hours of work<sup>2</sup> per student and includes hours of supervised teaching and hours reserved for personal study or other individual training activities. For the Course of Studies covered by this Regulation, the hours of assisted teaching for each CFU, established in relation to the type of training activity, are the following<sup>3</sup>:

- Frontal lesson: 8 hours per CFU;
- Seminar: 8 hours per CFU;
- Assisted teaching exercises (in the laboratory or in the classroom): 8 hours per CFU.
- Practical laboratory activities: up to a maximum of 10 hours per CFU
- Internship: 25 hours per CFU<sup>4</sup>

For further information on the teaching activities and the training offer, please refer to Appendix 1.2. The CFU corresponding to each training activity are acquired by the student by satisfying the verification methods (exam, suitability or attendance) indicated in the sheet relating to the teaching (see Appendix 2.1).

#### Art. 7

# **Description of teaching methods**

The teaching activity is carried out in type A mode: Conventional course of study.

If necessary, the CCD decides which subjects also include online teaching activities up to a maximum of 10%.

Each course includes, when possible, a laboratory/exercise part to be carried out in the classroom and, if necessary, may include the organization of in-depth seminars to be held within the CFU established for each course.

Detailed information on how each course is taught can be found on the course sheets.

The ability to apply knowledge and understanding are acquired by the graduate in particular through the analysis and guided design of building organisms. Lectures and exercises in the classroom are strongly correlated to the design activities, and the experimental activities are aimed at verifying the critical issues and limits of the models with respect to real cases. The similar and integrative type of teachings introduced in the study plan emphasize, through individual and group exercises, the ability to select, process and interpret data and solve problems, on topics within the competence of the Building Engineer for Sustainability.

The laboratory activities present within the courses together with the guided group discussion, as well as the personal papers and the testimonies from the business and professional world, offer the student as many opportunities to independently develop their decision-making and judgment skills. The integrated application of knowledge acquired in different courses or independently is taken

<sup>&</sup>lt;sup>2</sup>According to Art. 5, c. 1 of Ministerial Decree 270/2004 "University training credit corresponds to 25 hours of overall commitment per student; a ministerial decree may determine justified increases or decreases in the aforementioned hours for individual classes, within the limit of 20 percent".

<sup>&</sup>lt;sup>3</sup>The number of hours takes into account the indications in Art. 6, c. 2 of the RDA "of the 25 total hours, for each CFU, are reserved for frontal lessons from 5 to 10 hours, or alternatively are reserved for seminar activities from 6 to 10 hours or from 8 to 12 hours for laboratory activities, except in the case in which training activities with a high experimental or practical content are foreseen, and without prejudice to different provisions of law".

<sup>&</sup>lt;sup>4</sup>For the Internship activity (Inter-ministerial Ministerial Decree 142/1998), without prejudice to further specific provisions, the number of working hours equal to 1 CFU cannot be less than 25.

care of, also with the connection to a possible internship activity carried out at public bodies, companies, professional firms, universities and research institutes.

Participation in internships, apprenticeships and study trips abroad are very useful tools for developing the communication skills of the individual student. In any case, the graduate in Building Engineering for Sustainability will demonstrate his ability to correctly transmit technical-scientific information through: the preparation of reports focused on the practical or design activities foreseen in the training course; participation in design workshops proposed by the Degree Course; discussion, during the final exam, of the aforementioned reports as well as, more generally, of the topics covered in the course.

Detailed information on how each course is taught can be found on the course sheets (see Appendix 2.1).

# Art. 8 Testing of training activities<sup>5</sup>

The assessments include traditional exams (written and oral), with questions relating to theoretical and applicative-design aspects. The ability to apply the knowledge acquired to new problems, including interdisciplinary ones, and the ability to comparatively evaluate the possible different applicative solutions are verified. The courses may require an in-depth assessment of specific topics, or the drafting of reports on experimental experiences, or the drafting of project reports and related graphic works.

The Teaching Coordination Commission, within the limits of the regulatory provisions<sup>6</sup>, establishes the number of exams and other methods of evaluation of the profit that determine the acquisition of university training credits. The exams are individual and can consist of written, oral, practical, graphic tests, essays, interviews or combinations of these methods.

The methods for carrying out the assessment tests are reported in the sheets for each course (see Annex 2.1).

The exam schedule will be made known to students before the start of classes on the Department website.

The taking of exams is subject to the relative reservation that takes place electronically. If the student has not been able to proceed with the reservation for reasons that the President of the Commission considers justified, the student may still be admitted to the exam, at the end of the other students who have booked.

Before the exam, the President of the Commission verifies the identity of the student, who is required to show a valid identification document with a photograph.

The evaluation of the exams is expressed in thirtieths, or with a judgment of suitability. The exams that require an evaluation in thirtieths are passed with the minimum vote of eighteen thirtieths; the vote of thirty thirtieths can be accompanied by honors by unanimous vote of the Commission.

The oral exam tests are public, in compliance with the current safety regulations. If written tests are foreseen, the candidate has the right to view his/her own paper/papers after correction.

The examination commissions are governed by the University Teaching Regulations.

A comprehensive assessment of the ability to apply what has been learned in the various courses takes place with the preparation and writing of the degree thesis. This test requires the integration of the knowledge acquired and the ability to bring new developments.

<sup>&</sup>lt;sup>5</sup>Art. 22 of the University Teaching Regulations.

<sup>&</sup>lt;sup>6</sup>Pursuant to the DD.MM. 16.3.2007 in each Degree Programs the examinations or profit tests envisaged may not be more than 20 (Bachelor's Degrees; Art. 4. par. 2), 12 (Master's Degrees; Art. 4, par. 2), 30 (five-year -cycle Degrees) or 36 (six-year single-cycle Degrees; Art. 4, par. 3).

### **Degree Program structure and Study Plan**

- The legal duration of the Course of Studies is 2 years. It is also possible to enroll on the basis of a contract according to the rules set by the University (Art. 21 University Teaching Regulations).
   The student will have to acquire 120 CFU<sup>7</sup>, attributable to the following Types of Training Activities (TAF):
  - B) characterizing (Art. 10 paragraph 1, b Ministerial Decree 270/04);
  - C) at the student's choice<sup>8</sup>(Art. 10 paragraph 5, a DM 270/04);
  - D) similar or supplementary (Art. 10 paragraph 5, b Ministerial Decree 270/04);
  - E) for the final exam (Art. 10 paragraph 5, c Ministerial Decree 270/04);
  - F) further training activities (Art. 10 paragraph 5, d Ministerial Decree 270/04);
  - G) internships and training courses (Art. 10 paragraph 5, and Ministerial Decree 270/04).
- 2. The degree is obtained after having acquired 120 CFU by passing exams, no more than 12, and by completing other training activities.

Unless otherwise provided by the legal system of university studies, for the purposes of counting, exams taken within the scope of characterising and similar or integrative activities as well as within the scope of activities autonomously chosen by the student (TAF D, counted as one)<sup>9</sup> are considered. Tests that constitute a verification of suitability are excluded from the count.

In addition to the international Erasmus, from the academic year 2024/25 students can take advantage of a new national mobility program (so-called Italian Erasmus), to which the Course of Studies in Building Engineering for Sustainability has access, to allow 5 enrolled students, for a minimum of 12 CFU, to spend a period of study at one of the 7 Italian universities involved. This opportunity is aimed at promoting the interdisciplinarity and flexibility of the educational offer by allowing them to follow courses, take exams, do internships, and carry out research for their thesis at the host university without additional enrollment fees.

With regard to the activities referred to in Art. 10 paragraph 5 letters c), d) and e) of Ministerial Decree 270/2004<sup>10</sup> Integrated courses, consisting of two or more modules, require a single assessment test.

3. To acquire the CFU related to the activities of independent choice, the student has the freedom to choose among all the courses activated at the University, provided that they are consistent

<sup>&</sup>lt;sup>7</sup>The total number of CFU for the acquisition of the relevant qualification must be understood as follows: six-year single-cycle degree, 360 CFU; five-year single-cycle degree, 300 CFU; three-year degree, 180 CFU; master's degree, 120 CFU. 6 Corresponding to at least 12 CFU for three-year degrees and at least 8 CFU for master's degrees (Art. 4, c. 3 of the Ministerial Decree 16.3.2007).

<sup>&</sup>lt;sup>8</sup>Corresponding to at least 12 CFU for three-year degrees and at least 8 CFU for master's degrees (Art. 4, c. 3 of the Ministerial Decree of 16.3.2007).

<sup>&</sup>lt;sup>9</sup> Art. 4, c. 2 of Annex 1 to the D.M. 386/2007

<sup>&</sup>lt;sup>10</sup>Art. 10, paragraph 5 of Ministerial Decree 270/2004: "In addition to the qualifying training activities, as provided for in paragraphs 1, 2 and 3, the Courses of Study must include: a) training activities independently chosen by the student provided that they are consistent with the training project [TAF D]; b) training activities in one or more disciplinary areas similar or complementary to the basic and characterizing ones, also with regard to the contextual cultures and interdisciplinary training [TAF C]; c) training activities relating to the preparation of the final exam for the achievement of the qualification and, with reference to the degree, to the verification of knowledge of at least one foreign language other than Italian [TAF E]; d) training activities, not provided for in the previous letters, aimed at acquiring further linguistic knowledge, as well as computer and telematic skills, relational skills, or in any case useful for entering the world of work, as well as training activities aimed at facilitating professional choices, through direct knowledge of the work sector to which the qualification can give access, among others. including, in particular, training and orientation internships as per Decree 25 March 1998, no. 142, of the Ministry of Labour [TAF F]; e) in the case referred to in Article 3, paragraph 5, training activities relating to internships and training placements at companies, public administrations, public or private bodies including those in the third sector, professional orders and colleges, on the basis of specific agreements".

with the training project. This consistency is assessed by the Teaching Coordination Commission of the Degree Course. Also for the acquisition of the CFU related to the activities of independent choice, it is required to "pass the exam or other form of assessment of the profit" (Art. 5, c. 4 of the Ministerial Decree 270/2004).

- 4. The study plan summarizes the structure of the course by listing the planned courses divided by year of the course and possibly by curriculum. At the end of the study plan table, the prerequisites required by the Course of Studies are listed. The study plan offered to students, with the indication of the scientific-disciplinary sectors and the area of affiliation, the credits, the type of teaching activity is reported in Attachment 1.2 to these Regulations.
- 5. Pursuant to Art. 11, c. 4-bis of Italian Ministerial Decree No 270/2004, it is possible to obtain the degree according to an individual study plan that also includes training activities other than those envisaged by the Teaching Regulations, provided that they are consistent with the Teaching Regulations of the Course of Study for the academic year of enrolment. The Individual Study Plan is approved by the Didactic Coordination Commission

#### Art. 10

### Attendance requirements<sup>11</sup>

- 1. In general, based on the types of teaching and the teaching organization provided for in this regulation and, in light of what is set out in the University regulations, attendance at lectures is strongly recommended, but not mandatory.
- 2. If the teacher foresees a different modulation of the program for attending and non-attending students, this will be specifically indicated in the individual teaching sheet, published on the course web page and on the UniNA teachers' website.
- 3. Attendance at seminar activities that award training credits is mandatory.
- 4. The timetable of teaching activities for each teaching period is published on the website of the Polytechnic and Basic Sciences School, well in advance of the start date of the courses.

The possibility of attendance is guaranteed for the course years provided for in the current Study Manifesto (see Attachment 1.2). For practical reasons, compatibility of the timetable is not guaranteed for all formally possible choices of optional courses.

#### **Art. 11**

#### Prerequisites and prior knowledge

The entrance requirements, considered necessary for some courses, are indicated in the Study Manifesto (see Annex 1.2) and specified in the individual course sheets provided in Annex 2.1.

#### **Art. 12**

### **Degree Program calendar**

The course calendar is made available on the Department website before the start of lessons.

#### **Art. 13**

# Criteria for the recognition of credits earned in other Degree Programs in the same of the same class<sup>12</sup>

For students coming from courses of study of the same class, the Teaching Coordination Commission ensures the recognition of the greatest possible number of university training credits acquired by the student at the Course of study of origin, according to the criteria set out in the following article

<sup>&</sup>lt;sup>11</sup> Art. 22, par. 10 of the University Didactic Regulations

<sup>&</sup>lt;sup>12</sup>Art. 19 of the University Didactic Regulations.

14. Failure to recognize university training credits must be adequately motivated. It remains understood that the share of university training credits relating to the same scientific-disciplinary sector directly recognized to the student cannot be less than 50% of those already obtained.

#### Art. 14

Criteria for the recognition of credits acquired in Degree Programs of different classes, in university or university-level Degree Programs, through single courses, at online universities and in international Degree Programs<sup>13</sup>; criteria for the recognition of CFU for extra-curricular activities

- 1. For students coming from courses of study of different classes, the university training credits acquired are recognized by the competent teaching structure on the basis of the following criteria:
  - Analysis of the program carried out
  - Evaluation of the congruence of the scientific-disciplinary sectors and the contents of the training activities in which the student has earned credits with the specific training objectives of the Course of Studies and of the individual training activities to be recognized, pursuing in any case the purpose of student mobility.

Pursuant to Art. 5, par. 5-bis, of Ministerial Decree 270/2004, it is also possible to acquire CFU at other Italian universities on the basis of agreements established between the concerned institutions, in accordance with the regulations current at the time.

Recognition is carried out up to the amount of university training credits provided for by the teaching regulations of the Course of Studies. Failure to recognize university training credits must be adequately motivated.

- 2. Any recognition of CFU relating to exams passed as single courses may occur within the limit of 36 CFU, at the request of the interested party and following the approval of the competent teaching structures. The recognition may not contribute to the reduction of the legal duration of the Course of Studies, as determined by Art. 8, c. 2 of Ministerial Decree 270/2004, with the exception of students who enroll already in possession of a qualification of the same level<sup>14</sup>.
- 3. With regard to the criteria for the recognition of CFUs for extra-curricular activities, pursuant to Art. 3, par. 2 of Ministerial Decree 931/2024, within a maximum limit of 48 CFUs (single-cycle degree courses and degree courses) and 24 CFUs (degree courses), the following activities may be recognised (Art. 2 of Ministerial Decree 931/2024)
  - professional knowledge and skills, certified pursuant to current regulations, as well as other knowledge and skills acquired in post-secondary-level training activities
  - training activities carried out in the course of study at public administration training institutes, as well as other knowledge and skills acquired in post-secondary level training activities in the design and implementation of which the University has contributed;
  - achievement by the student of an Olympic or Paralympic medal or the title of absolute world champion, absolute European champion or absolute Italian champion in disciplines recognised by the Italian National Olympic Committee or the Italian Paralympic Committee.

# Art. 15 Criteria for enrolment in individual teaching courses

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<sup>&</sup>lt;sup>13</sup> Art. 19 and Art. 27, par. 6 of the University Didactic Regulations.

<sup>&</sup>lt;sup>14</sup> D.R. n. 1348/2021.

Enrollment in individual courses, as required by the University Regulations<sup>15</sup>, is governed by the University Regulations for enrollment in single teaching courses activated within the Study Courses<sup>16</sup>.

#### **Art. 16**

#### Features and modalities for the final examination

The final exam is required to obtain the academic qualification. To be admitted, the student must have acquired all the training credits required by his/her Study Plan, except those related to the final exam. Furthermore, he/she must have fulfilled all administrative obligations (be up to date with the payment of fees; have submitted the application for participation to the Supervisor).

Part of the final examination is conducted as part of an internship or apprenticeship activity, in Italy or abroad, carried out in companies, professional firms, public administrations, university departments, research institutes, etc., with the aim of gaining training experience by attending other universities or organisations and companies that put the graduate in contact with the world of work.

The indications for taking the final examination have been defined following the meetings of the Coordination Committee, in accordance with the provisions of Ministerial Decree 1649/23. The candidate discusses before a Commission chaired by the Course Co-ordinator, or his/her delegate, the thesis work, developed under the guidance of a supervisor and of a compilative, project or experimental nature, with a presentation that demonstrates mastery of the topics covered, the ability to work independently, the effectiveness of the results obtained and clarity of communication. The paper, possibly written in English (especially if the relevant activities were carried out as part of research and internationalisation programmes) with an abstract in Italian, must be written in an original manner by the student, and describe the training activities carried out as part of one or more courses and internship activities. The assignment of the topic of the final paper is decided in agreement with the Supervisor(s). For the development of the paper the undergraduate student may make use of research laboratories and internships at public and/or private facilities.

The final exam (of 12 CFU in total) includes in fact, internships or traineeships of 3 CFU, to be carried out in Italy or abroad at companies, professional firms, public administrations, or at university and research facilities, as indicated in the Regulations.

The final presentation of the thesis lasts 15 minutes. At the end of the presentation, the professors of the commission can address the candidate with observations related to the thesis topic.

The grade obtained by the Candidate is expressed in 110-tenths and the relative criteria for attribution are defined within the Teaching Coordination Commission (CCD)).

#### **Art. 17**

# **Guidelines for traineeship and internship**

1. Students enrolled in the Degree Course may decide to carry out internships or work placements at institutions or companies affiliated with the University, at other universities or research institutes. Internships and work placements are mandatory and may contribute to the attribution of training credits for other training activities chosen by the student included in the study plan, as provided for by Art. 10, paragraph 5, letters d and e, of Ministerial Decree 270/2004<sup>17</sup>.

<sup>&</sup>lt;sup>15</sup>Art. 19, par. 4 of the University Didactic Regulations.

<sup>&</sup>lt;sup>16</sup>DR n. 3241/2019.

<sup>&</sup>lt;sup>17</sup> Traineeships ex letter d) can be both internal and external; traineeships ex letter e) can only be external.

- 2. The methods of implementation and the characteristics of internships and placements are regulated by the CCD, in accordance with the methods foreseen and defined by the University. For internal internships, students may be recognized with activities specifically regulated and monitored upon certification by the Teaching Coordination.
- 3. The University of Naples Federico II, through the Student Internship Office (http://www.unina.it/didattica/tirocini-studenti and http://www.orientamento.unina.it/tirocini-post- laurea) ensures constant contact with the world of work, to offer students and graduates of the University concrete opportunities for internships and work placements and to facilitate their professional integration.

# Disqualification of student status<sup>18</sup>

The student who has not taken exams for eight consecutive academic years will be subject to forfeiture unless his/her contract establishes different conditions. In any case, the forfeiture must be communicated to the student by certified email or other suitable means that attests to its receipt.

#### **Art. 19**

# Teaching tasks, including supplementary teaching, guidance and tutoring activities

- 1. Professors and researchers carry out the assigned teaching load according to the provisions of the University Teaching Regulations and the Regulations on teaching and student service tasks of professors and researchers and on the methods for self-certification and verification of actual performance.<sup>19</sup>
- 2. Teachers and researchers must guarantee at least two hours of reception every 15 days (or by appointment granted in any case no later than 15 days) and in any case must guarantee availability via email.
- 3. The tutoring and student guarantor services have the task of orienting and assisting students throughout their studies and of removing obstacles that prevent them from deriving adequate benefit from attending courses, also through initiatives related to the needs and aptitudes of individuals.
- 4. The University provides guidance, tutoring and assistance services and activities for the reception and support of students. These activities are organized by the Polytechnic and Basic Sciences School (http://www.scuolapsb.unina.it), in collaboration with the individual departmental and teaching structures, as established by the RDA in article 8.

#### Art. 20

#### **Evaluation of the quality of the activities performed**

- The Teaching Coordination Commission implements all forms of quality assessment of teaching activities required by current legislation according to the indications provided by the University Quality Assurance Office.
- 2. In order to guarantee the students of the Course of Studies the quality of teaching and to identify the needs of students and all interested parties, the University of Naples Federico II uses the

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<sup>&</sup>lt;sup>18</sup>Art. 24, c. 5 of the University Teaching Regulations.

<sup>&</sup>lt;sup>19</sup>R.D No. 2482/2020.

Quality Assurance (QA) system.<sup>20</sup>, developed in accordance with the ANVUR document "Self-assessment, Evaluation and Accreditation of the Italian University System", using:

- surveys on the degree of integration of graduates into the world of work and on postgraduate needs;
- data extracted from the administration of the questionnaire for the evaluation of student satisfaction for each course present in the study plan, with questions relating to the methods of carrying out the course, the teaching material, the teaching aids, the organization, the structures.

The requirements resulting from the analysis of student satisfaction data, discussed and analyzed by the Teaching Coordination Commission and the Joint Teacher-Student Commission (CPDS), are included among the input data in the service design process and/or among the quality objectives.

3. The AQ organization developed by the University implements a process of continuous improvement of the objectives and the appropriate tools to achieve them, ensuring that in all structures planning, monitoring and self-assessment processes are activated that allow for the prompt detection of problems, their adequate investigation and the setting of possible solutions.

# Art. 21 Final rules

The Department Council, upon proposal of the Teaching Coordination Commission, submits any proposals for modification and/or integration of these Regulations to the Academic Senate for examination.

# Art. 22 Publicity and entry into force

- 1. This Regulation enters into force the day after its publication on the Official Notice Board of the University; it is also published on the University website. The same forms and methods of advertising are used for subsequent amendments and additions.
- 2. Annex 1.2 (Study Manifesto) and Annex 2.1 (Teaching/Activity Sheets) are an integral part of these Regulations.

<sup>&</sup>lt;sup>20</sup>The Quality Assurance system, based on a process approach and adequately documented, is designed in such a way as to identify the needs of students and all interested parties, and then translate them into requirements that the training offer must comply with.