



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

TEACHING REGULATIONS OF THE DEGREE IN
STATISTICS, ECONOMICS AND BUSINESS (LM-82)

Bologna Campus

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Art. 1 Admission requirements

In order to be admitted to the two years Master's Degree Programme in Statistics, Economics and Business it is necessary to possess a three-year university degree or other suitable qualification obtained abroad.

It is necessary to have the following curricular requirements:

An Italian first cycle degree in one of the following classes, or other suitable qualification obtained abroad:

- L-41 Statistica (ex D.M. 270/04)
- 37 Scienze Statistiche (ex D.M. 509/99)

Alternatively, hold an Italian degree in a different class than those indicated above, or other suitable qualification obtained abroad, and have acquired university credits in the following scientific-disciplinary areas:

- at least 16 credits in one or more of the following scientific-disciplinary areas:
 - Probability and Statistics: SSD SECS-S/01, SECS-S/02, SECS-S/03, SECS-S/05, MAT/06
 - Mathematics: SSD SECS-S/06, MAT/02, MAT/03, MAT/05, MAT/07, MAT/08, MAT/09,of which at least 8 credits in one or more of the following scientific-disciplinary areas:
 - Probability and Statistics: SSD SECS-S/01, SECS-S/02, SECS-S/03, SECS-S/05, MAT/06
- and at least 6 total credits in one or more of the following scientific-disciplinary areas:
 - Economics: SSD SECS-P/01, SECS-P/02, SECS-P/03, SECS-P/05, SECS-P/06
 - Business Economics: SSD SECS-P/07, SECS-P/08, SECS-P/09

It is also necessary to have passed the assessment of the adequacy of personal preparation.

In order to effectively attend the Master's Degree Program, it is strictly necessary to have acquired university-level knowledge in the following subjects:

- Mathematics (fundamentals of mathematical analysis, matrix algebra);
- Probability calculus (axioms and fundamental theorems of probability calculus);
- Statistics (fundamentals of descriptive statistics, fundamentals of statistical inference, linear model, data matrices and derivative matrices, basic concepts of sampling techniques, multivariate statistics);
- Economics (fundamentals of microeconomics);
- Business economics and management (fundamentals of business management, fundamentals of marketing).

The verification of the adequacy of the personal preparation will be carried out by an Admission Board and will take place through the analysis of applications that include the curriculum and documentation attesting to previous university studies. The Admission Board may ask candidates to come for an interview in cases where it considers it necessary to acquire further elements of assessment. The commission will fix a calendar, from March to November, for the selection process, which will be published on the University portal.

For the curricula taught in Italian, it is necessary to have English language proficiency at a level of at least B1 of the Common European Framework of Reference for Languages. This requirement is not necessary during the application phase, as the assessment takes place concurrently with the B2 level exam included in the study plan. Passing the B2 level exam is a prerequisite for enrolment in the second year.

To access the curriculum taught in English, it is necessary to have English language proficiency at a level of at least B2 of the Common European Framework of Reference for Languages. The documentation certifying the language proficiency requirement must be uploaded during the application phase.

Art. 2 Mobility rules between Degree Programme curricula

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

The mobility between curricula is allowed within the terms disclosed through the University Portal. Based on the criteria of recognition of credits acquired in Degree Programmes of the same class, the Degree Programme Board also evaluates requests for mobility between curricula.

Art. 3 Individual study plans

It is possible to submit individual study plans within the deadlines announced through the University Portal.

The Degree Programme Board evaluates the individual study plans presented on the basis of their consistency with the teaching regulation of the Degree Programme and

- consistency with the educational objectives of the Degree Programme
- verification that the number of exams, courses and related credits is not lower than the corresponding number provided for in the official study plan.

Art. 4 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 Portal.

Art. 5 Attendance and preparatory activities

The compulsory attendance for teaching activities is indicated in the attached teaching plan, as well as the possible prerequisites of the individual teaching activities.

The modalities and the verification of the compulsory attendance, if any, are established annually by the Degree Programme during the presentation of the teaching plan and notified to the students before the beginning of the lessons through the University Portal.

Art. 6 Flexible pathway

The student can opt for a flexible path that allows him/her to take more (less) time to complete the Programme.

The learning outcomes, if deactivated, could be replaced to assure the quality and sustainability of the learning activities of the course.

Art. 7 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. 8 Elective learning activities

Students may choose as elective learning activities one or more learning activities among those activated in the Department of Statistical Sciences.

If students intend to take learning activities not belonging to the above-mentioned category, they must submit their request to the Degree Programme Board within the deadlines indicated annually and published on the University website.

The Board will assess the coherence of the choice with the student’s study career.

Art. 9 Criteria for the recognition of credits acquired in Degree Programmes in the same class

The university credits acquired are recognized not less than half and up to the limit of the credits of the same disciplinary scientific field provided by the educational system of the Degree Programme, in compliance with the relevant scientific disciplines and the type of learning activities.

If, after the awards have been made in accordance with the rules of this Regulation, there are unused residual credits, the Degree Programme Board may recognize them by assessing the specific case on the basis of educational and cultural affinities.

For the curriculum provided in English, the recognition is related to the teaching or training activities carried out in English.

Art. 10 Criteria for the recognition of credits acquired within Degree Programmes of different classes, from telematic universities or universities abroad

The acquired credits are recognized 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 recognized, in any case pursuing the aim of promoting student mobility.

The recognition is carried out up to the concurrency of university credits provided by the educational system of the Degree Programme, in compliance with the relevant disciplinary scientific areas and the type of learning activities.

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

Art. 11 Criteria for the recognition of extra-university competencies and skills

Competencies acquired outside of the University may be recognized 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 will be assessed by the Degree Programme Board considering the indications of the Academic Bodies and the maximum number of recognizable 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 recognized, also in consideration of the contents and duration in hours of the implemented activity.

Art. 12 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, authorize 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 6 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.

Art. 13 Post-graduate apprenticeship

The Degree Programme Board may offer students the possibility to perform apprenticeship activities in order to integrate the academic education with practical training in a company, for the purposes of acquiring a qualification.

These programmes are available to students aged between 18 and 29 who have already acquired a minimum of 50 to a maximum of 80 CFUs.

Between 12 and 25 CFU may be allocated to the formal learning activities undertaken in the company according to a study project annexed to the apprenticeship contract.

The duration of the contract varies from 12 to 36 months and involves a learning requirement of 240 hours per year of formal learning, 150 of which in the company and 90 hours paid by the company, for the academic activities undertaken by the student.

Art. 14 Final examination methods

The final examination for the Master's Degree Programme consists of the writing and public discussion of a thesis developed in an original way by the student on a subject consistent with the objectives of the Degree programme, under the guidance of a supervisor. The report must be accompanied by an extensive summary in English.

The dissertation must demonstrate a mastery of the topics, a critical ability, ability to operate autonomously and a good level of communication.

The criteria for the evaluation of the thesis are: originality of the subject, methodological correctness, in-depth analysis, adequacy of writing and drafting of the work, ability to exhibit and presentation of the work. The preparation of the final exam can be linked to a project or to an internship or activity carried out abroad according to the guidelines of the University and as indicated in the appropriate section of the website of the Degree Programme. Details of the characteristics of the final exam are available on the website of the Degree Programme.

For the curriculum in English, the final exam consists in the preparation and discussion of an original thesis in English, for which the above provisions apply.

Art. 15 Correspondence between the credits assigned to each learning activity and the planned learning outcomes

On 24th of November 2022 the Joint Teaching Committee expressed its favourable opinion pursuant to Article 12 para. 3 of Ministerial Decree no. 270/04.



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