MODEL REGULATORY SECTION

DEGREE PROGRAMME TEACHING REGULATIONS
Art. 1 Admission requirements

Admission requirements

Admission to 2nd cycle degree Program in Statistical Sciences is subjected to the possession of a three-year university degree or other suitable qualification obtained abroad. Moreover, candidates must meet the curricular requirements and pass a test to assess their personal competences and skills.

Curricular requirements:

The following curricular requirements must be met:

A first cycle degree in one of the following classes:

- ex Italian Ministerial Decree no. 270: L-41 - Statistics
- ex. Italian Ministerial Decree no. 509/99: class 37 - Statistical Sciences
- Previous four-year degree program system: Degree in Statistics, Demographic and Social Sciences; Degree in Statistics and Economic Sciences; Degree in Statistical and Actuarial Sciences
- Three-year university degree: Statistics analogous to the classes L 41/37
- Or an equivalent qualification obtained abroad

Or possession of a first cycle degree in a different class having acquired credits (CFU) in the following subject areas:

- SUBJECT AREA: PROBABILITY AND STATISTICS (15 CFU)
  (Italian scientific sectors: SECS-S01, SECS-S02, SECS-S03, SECS-S/04, SECS-S/05, SECS-P/05, MAT/06)

- SUBJECT AREA: MATHEMATICS (10 CFU)
  (Italian scientific sectors: SECS-S/06, MAT/02, MAT/03, MAT/05, MAT/06, MAT/07, MAT/08, MAT/09)

Assessment of personal competences and skills

Admission to the degree program is subjected to the passing of a test to assess the candidates' personal competencies and skills, which will follow the methods laid down in section “Admission Methods”.

The competences required are:
- Mathematics: fundamentals of calculus and matrix algebra
- Probability: axioms and theorems of probability
- Statistics: fundamental concepts of descriptive statistics, inference and multivariate analysis

Candidates must also possess appropriate English language skills to \textit{(at least) level B2}

\begin{itemize}
  \item Admission methods

\textbf{Assessment of personal competences and skills}

Candidates' personal competencies and skills are assessed by a Board, based on university-level knowledge of mathematics, probability and statistics in the following manner:

- The personal competencies and skills requirement is deemed to be met by graduates with a final degree score of at least 95/110
- In the other cases, the required knowledge and competencies will be assessed through the examination of the candidates' curriculum and an oral exam. The Commission set a timetable for the interviews that will be published on the University Portal.
- For international students, the Second Cycle Degree Program in Statistical Sciences can provide for an additional admission session and appoint a Board in order to assess personal competencies and skills of the candidates, meeting the deadlines of the call for the assignment of study grants and exemptions (the deadline for such call is expected approximately in May).

\textbf{Assessment of knowledge and language skills}

The requirement of knowledge of the \textit{English language} to level B2 can be demonstrated by any one of the following:

- Students have a certificate by the Centro Linguistico di Ateneo (CLA)
- Students have certificates at the correspondent level: TOEFL, IELTS, CAMBRIGE SUITE, TOEIC, Trinity College
- Students attended a first cycle degree (bachelor) held in English
- Students passed a B2 level English exam in the previous study plan
- English is the student's mother tongue (to be indicated on the CV)

In the other cases, the required knowledge of the \textit{English language} to level B2 will be assessed through modalities that will be published on the University Portal.

\textbf{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 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. 6 Elective learning activities

Students may select one or more learning activities autonomously from all those activated at the University. The Degree Programme Board has resolved that these learning activities are consistent with the study plan.

Art. 7 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 laid down in the degree programme teaching regulations, in compliance with the relative subject area and the type of learning activities.

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. 8 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 laid down in the degree programme teaching regulations, in compliance with the relative subject area and the type of learning activities.

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.

Art. 9 Criteria for the recognition of extra-university competencies and skills

Competencies 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. 10 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 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. 11 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.

Between 12 and 36 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. 12 Final examination methods**

- **Characteristics of the final examination**

  The final examination to graduate in the 2nd cycle degree program consists in the production and public discussion of an original dissertation based on a topic that is consistent with the program 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.

  The final examination may be linked to a project or internship activity.

- **Final examination methods**

  At the end of their study plan, students are admitted to the final defence of their thesis, with an admission grade given by the weighted mean of the exam marks weighted by their credits, converted in the 66-110 scale. The final examination consists in the defence of the master thesis in front of a Committee composed by up to 5 professors of the Degree Programme Board.

  The Degree Programme Board can make provisions for the assignment of a bonus in terms of extra points. The rules for assignment of such bonus will be published in the University website.
Art. 13 Correspondence between the credits assigned to each learning activity and the planned learning outcomes

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