NOVA
IMS

Information Management School

Postgraduate Program in

Statistical Systems

with a specialization in
Official Statistics

with access to
Master Degree Program

www.novaims.unl.pt

Instituto Superior de Estatística e Gestão de Informação
Universidade Nova de Lisboa

Postgraduate Program in
Statistical Systems

Specialization in
Official Statistics

NOVA IMS

The NOVA Information Management School (NOVA IMS) is an unit of Universidade Nova de Lisboa. It is a research based school and the first institution in the Iberian Peninsula to join iSchools, an international organisation that gathers the world top universities in research and teaching in the area of information management.

NOVA IMS offers bachelor, postgraduate, master and doctoral programmes in statistics, information management, and information systems and technologies. Six of NOVA IMS' Programmes were ranked in the TOP of the world Best Masters Ranking 2019, by Eduniversal - international agency that publishes the annual ranking of the best MBA and Master's degrees in the world.

For more information please see: **www.novaims.unl.pt**.

Overview

The postgraduate program in Statistical Systems, with a specialization in Official Statistics, aims at endowing technical staff and managers who work in the scope of the National Statistical System (NSS), either as producers or as analysts or users of statistical information, the knowledge and skills crucial to the exercise of their activity. This program, accredited by the European Statistical System (ESS) with the EMOS (European Master in Official Statistics) seal, offers specialized training in official statistics, particularly in the production of statistics that cover the statistical activity of NSS and of the international organizations of which Portugal is a member.

Goals

The goal of this program is to train technical staff and managers to:

- Manage and lead the process of producing official statistics;
- Develop techniques and methodologies of data collection;
- Master the tools and processes used for the storage, organization, and access to information in an entity responsible for the compilation of statistics;
- Apply the statistical and computational methodologies and tools, for exploration and analysis of information, to produce official statistics that can add value for decision making;
- Communicate results, in written form and orally, adapting them to the level and specific interests of the audience.

Who is it for?

The program is aimed to employees of the organization that take part of the National Statistical System of Portugal and the Portuguese-speaking countries.

The program is also addressed to everyone who is interested in official statistics, including the employees of any other organizations with interests in this field and the general public.

Study Programme

To earn the postgraduate programme diploma, students have to complete 60 ECTS (European Credit Transfer and Accumulation System). Students can enroll up to 75 ECTS.

FALL SEMESTER (1st SEMESTER)

Course Unit	ECTS
Business Intelligence	6
Computational Statistics I	6
Databases Management	6
Descriptive Data Mining	6
Forecasting Methods (T2)*/**	3,5
Multivariate Data Analysis*	6
Statistical Methods	6
Time Series Analysis (T2)**	4

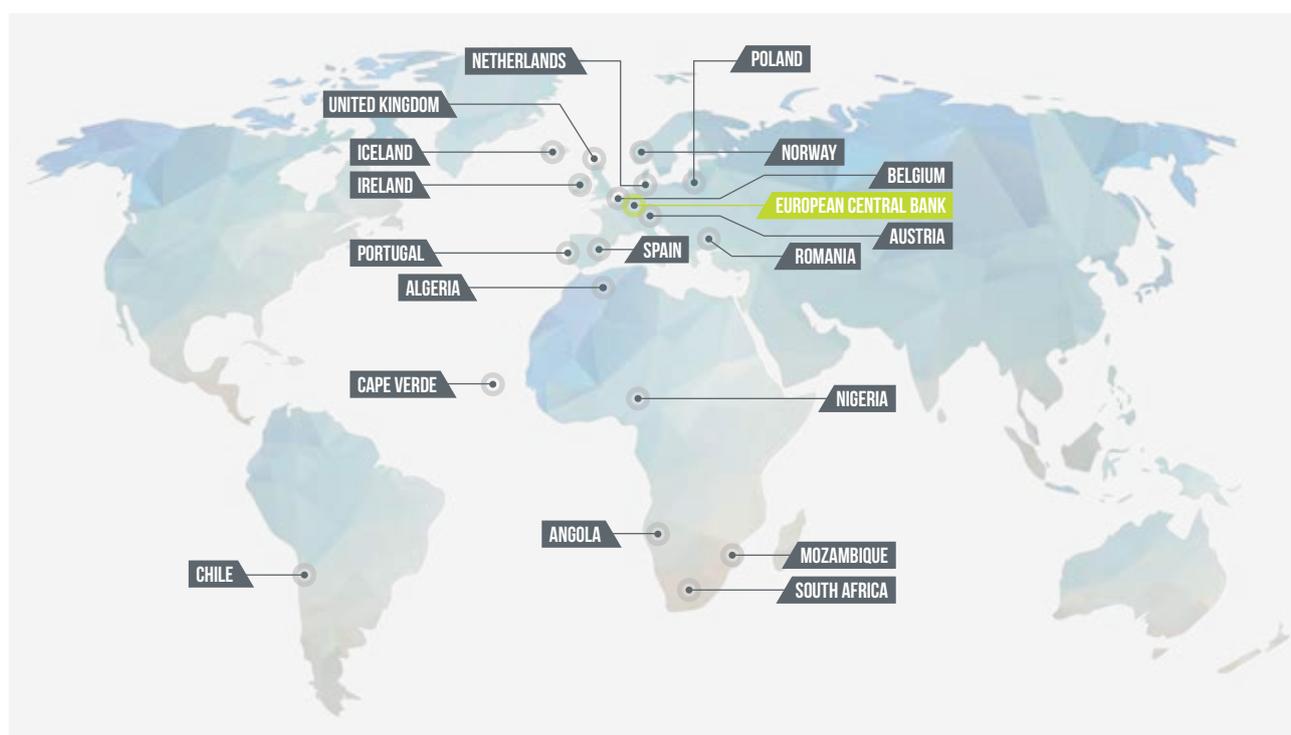### SPRING SEMESTER (2nd SEMESTER)

Course Unit	ECTS
Accounting and Financial Information	6
Analysis of Discrete Data (T3)**	4
Analysis of Variance (T4)**	4
Computational Statistics II	6
Data Collection, Administrative Sources and Big Data	6
Data Management for Official Statistics	3
Econometric Methods*	7,5
National Accounts	6
Predictive Data Mining	6
Sampling and Estimation*	6
Statistical Communication	3
Statistical Treatment of Data*	6

* Mandatory course unit for students that intend to earn a Master's degree.

** These course units are held quarterly.

The postgraduate programme gives access to the Master Programme in Statistics and Information Management, with a specialisation in Information Analysis and Management. To earn the Master's degree, students must present a scholarly thesis or a work project in the third semester, which corresponds to 35 additional credits.

Origin of the Students

Testimonials

Sara Liseth — Norges Bank

From a central bank worker point of view, this postgraduate programme gives you a broad knowledge of different tools and theory of how to collect and handle data, and an introduction of important statistics. The programme gives you a better knowledge of the process behind the disseminated statistics and opportunity to networking with other coworkers around the world. Highly recommended!

Banco de Cabo Verde — Eder John Pina

I strongly recommend this postgraduate programme to every central bank's employees interested in Central banks statistics, especially to those with background on statistics, mathematics and Economy. The programme was well structured regarding the set of subjects provided per semester as well as the infrastructure needed for the abroad students in order to attend/follow the lectures and to interact with the portfolio of products and services.

Lisa and Barend Debeer — South African Reserve Bank

The postgraduate programme in Statistical Systems is an excellent programme for any person employed in statistics compilation at central banks or national statistical offices. The programme is well balanced between theory and practice and affords the student many opportunities to apply the lectures in their work environment. It is the most authoritative programme for macroeconomic statisticians working in central banks and will undoubtedly add value to the skills set of employees from junior to senior management. We highly recommend this programme if you are serious about a career in official statistics and especially at a national central bank.

Banco de Portugal — Ana Teresa Oliveira

Being able to participate in the postgraduate programme in Statistical Systems, with specialization in Central Banks' Statistics, is an important milestone in my career because it allows me to consolidate knowledge and acquire a conceptual and analytical framework that is very important and essential to the performance of my functions at the Portuguese Central Bank. The pedagogical quality, cooperation, requirements and accuracy of the teaching staff are key factors for a better performance and greater satisfaction as a student, and also to the differentiation of the postgraduate programme in Statistical Systems at NOVA IMS.

Ricardo Colaço — Banco de Portugal

The postgraduate programme in Statistical Systems with specialization in Central Banks' Statistics is essential to learn the statistical production processes of central banks, and it has been quite useful to understand and to perform the work which is done in the Statistics Department. Furthermore, the diversity of its students' nationalities provides us different insights on these processes, which I consider to be an important asset.

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For more information about this postgraduate programme, visit:
www.novaims.unl.pt/SE-EO?lang=EN

Academic Calendar and Timetable

The program lasts for 2 semesters and each course unit takes place once a week, in a 2 hour session. The Fall Semester takes place from September until January, and the Spring Semester from February to June. The classes run in an after working schedule (after 4.30 pm, in Lisbon time), 3 to 4 times a week.

Type of Attendance

The classes run in classroom or by web conference. It is also possible to follow classes in a mix mode: attending classes in classroom in specific periods of the student's choice, and following the rest of the program by web conference.

The students may choose to follow the postgraduate program in a part-time format and complete it in the span of 2 academic years.

Individual Course Units

The participants may choose to follow individual course units, either by web conference or in classroom. In the latter, the students may choose to enroll in the course units, both at the beginning of the Spring Semester or the Fall Semester.

Applications and Admissions

The applications are online, via NOVA IMS' Applications Portal, in the following link: **www.novaims.unl.pt/candidaturas**.

The applications phase for the Fall Semester (individual course units or the whole postgraduate programme) will be held from February to June. For the Spring Semester (only available for individual course units), the applications phase will be held in January.

The selection process is based on the analysis of the applicant's academic and professional curriculum.
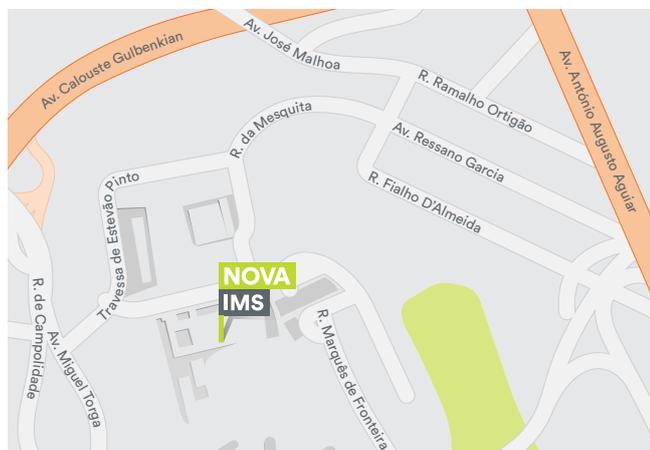
Contacts

If you need more information about the Postgraduate Programme in Statistical Systems, with a specialisation in Official Statistics, contact any of the elements of this programme's team:

Coordinator of the Programme
Pedro Simões Coelho, PhD
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Admissions Advisor
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+351 213 828 610

How to get to NOVA IMS

Carris
701, 713, 716, 726, 742, 746, 756, 758, 770

Metro
São Sebastião (Blue and Red Lines)
Praça de Espanha (Blue Line)

GPS Coordinates
38.732462 | -9.159921

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