NOVA IMS
Information Management School

POSTGRADUATE PROGRAM

STATISTICAL SYSTEMS

SPECIALIZATION IN CENTRAL BANKS' STATISTICS

ACCESS TO MASTER DEGREE PROGRAM

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

Partnership: BANCO DE PORTUGAL EUROSYSTEM

Accreditation: EMOS

Support: EUROPEAN CENTRAL BANK EUROSYSTEM

Irving Fisher Committee on Central Bank Statistics
BANK FOR INTERNATIONAL SETTLEMENTS

The Postgraduate Program in Statistical Systems, with a specialization in Central Bank Statistics, was developed in close collaboration with Banco de Portugal, in order to provide managers and technical staff that work in central bank statistics (namely monetary, balance of payments and financial accounts statistics), either as producers, as analysts or as users of statistical information, the fundamental knowledge, and skills for the development of their activity. This program, accredited by European Statistical System (ESS) with the European Master of Official Statistics (EMOS) seal, places special emphasis on the collection and compilation of monetary, financial, foreign exchange and balance of payments statistics, including those arising directly from the participation of Banco de Portugal in the European System of Central Banks (ESCB).

Goals

The course aims to train specialists who are able to:

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

Target

The program is targeted at central banks staff, including producers, analysts or users of statistical information. It is also designed for individuals with an interest in central bank statistics, especially those working in the statistical departments of banks, financial institutions, national statistical offices, and other relevant statistical authorities.

For more information or applications, please visit: www.novaims.unl.pt/SE-EBC

Study Plan

To earn the postgraduate program diploma, students have to complete 60 ECTS. Students can enroll up to 75 ECTS.

Fall Semester

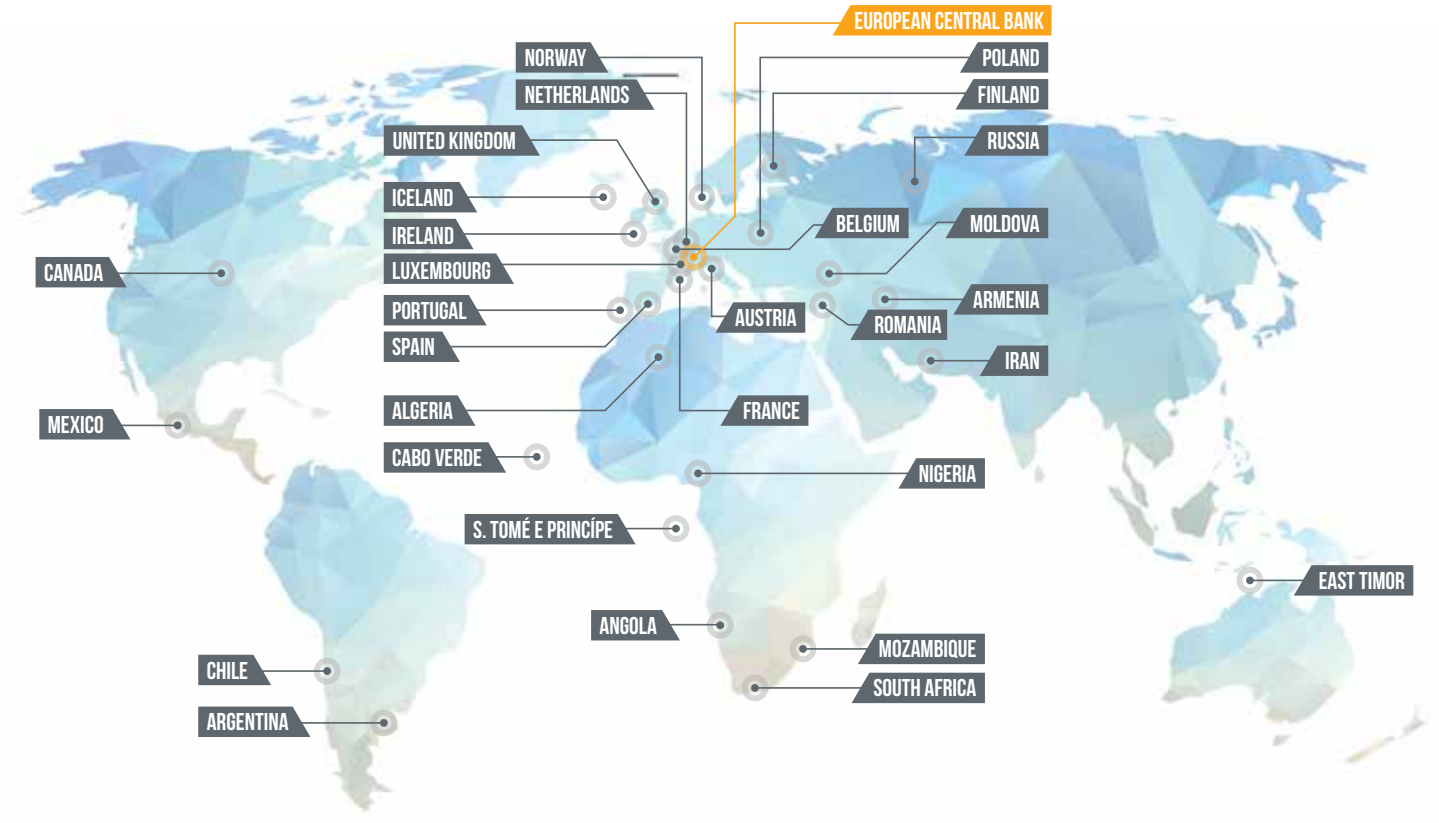
Course Unit	ECTS
Business Intelligence	7.5
Computational Statistics I	6
Databases Management	7,5
Descriptive Data Mining	7,5
Forecasting Methods (T2)*/**	3.5
External Statistics and Globalization	6
Monetary and Financial Statistics	6
Time Series Analysis (T2)**	4
Multivariate Data Analysis*	6

Spring Semester

Course Unit	ECTS
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 Ocial Statistics**	3
Econometric Methods*	7,5
Financial Reporting	6
National Accounts	6
Predictive Data Mining	7,5
Sampling and Estimation*	7,5
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 program gives access to the Master Program in Statistics and Information Management, with a specialization 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.



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Testimonials

Sara Liseth

Norges Bank

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

Eder John Pina

Banco de Cabo Verde

"I strongly recommend this postgraduate program to every central bank's employees interested in Central banks' statistics, especially to those with background on statistics, mathematics and Economy. The program 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 Program in Statistical Systems is an excellent program for any person employed in statistics compilation at central banks or national statistical oces. The program is well balanced between theory and practice and aords the student many opportunities to apply the lectures in their work environment. It is the most authoritative program 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 program if you are serious about a career in official statistics and especially at a national central bank."

Ricardo Colaço

Banco de Portugal

"The Postgraduate Program 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 dierent insights on these processes, which I consider to be an important asset."

Academic Calendar and Timetable

The program lasts 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.

Postgraduate Program

Statistical Systems
Specialization in Central Banks' Statistics

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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 individual course units will be held in January (Spring Semester) and from February to April (Fall Semester). The information about applications phase for the whole programme will be available in "Admissions and Fees" in the webpage of the program.

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

Coordinator

- Pedro Simões Coelho, PhD

Contacts

If you need more information about the Postgraduate Program in Statistical Systems, with a specialization in Central Banks' Statistics, contact any of the elements of this program's team:

Admissions Office
admissions@novaims.unl.pt
+351 213 828 610

How to get to NOVA IMS

Bus (Carris)
701, 713, 716, 726, 742, 746, 756, 758, 770

Subway (Metro)
São Sebastião (Blue and red line)
Praça de Espanha (Blue line)

GPS Coordinates
38.732462 | -9.159921

Address
Campus de Campolide, 1070-312 Lisboa
Tel: +351 213 828 610 (Call to the national landline network)
Fax: +351 213 828 611

Accreditations and Certifications

Co-financed by

22nd edition

www.novaims.unl.pt