Postgrados espol®

Master's Degree in

Applied Statistics

RPC-SO-09-No.170-2020

Choose ESPOL

1 **INSTITUTIONAL PRESTIGE**
The best public university in the country and one of the best in Latin America, according to international rankings.

2 **PRIVILEGED CAMPUS**
560 hectares of protected forest invite you to stay in contact with nature.

3 **LINKING WITH THE COMMUNITY**
Our programs respond to the needs of society.

4 **INTERNATIONAL PARTNERSHIPS AND ALLIANCES**
Student mobility, development of research projects and networking.

5 **MODERN INFRASTRUCTURE**
Our facilities are equipped with laboratories and technological tools that complement quality training.

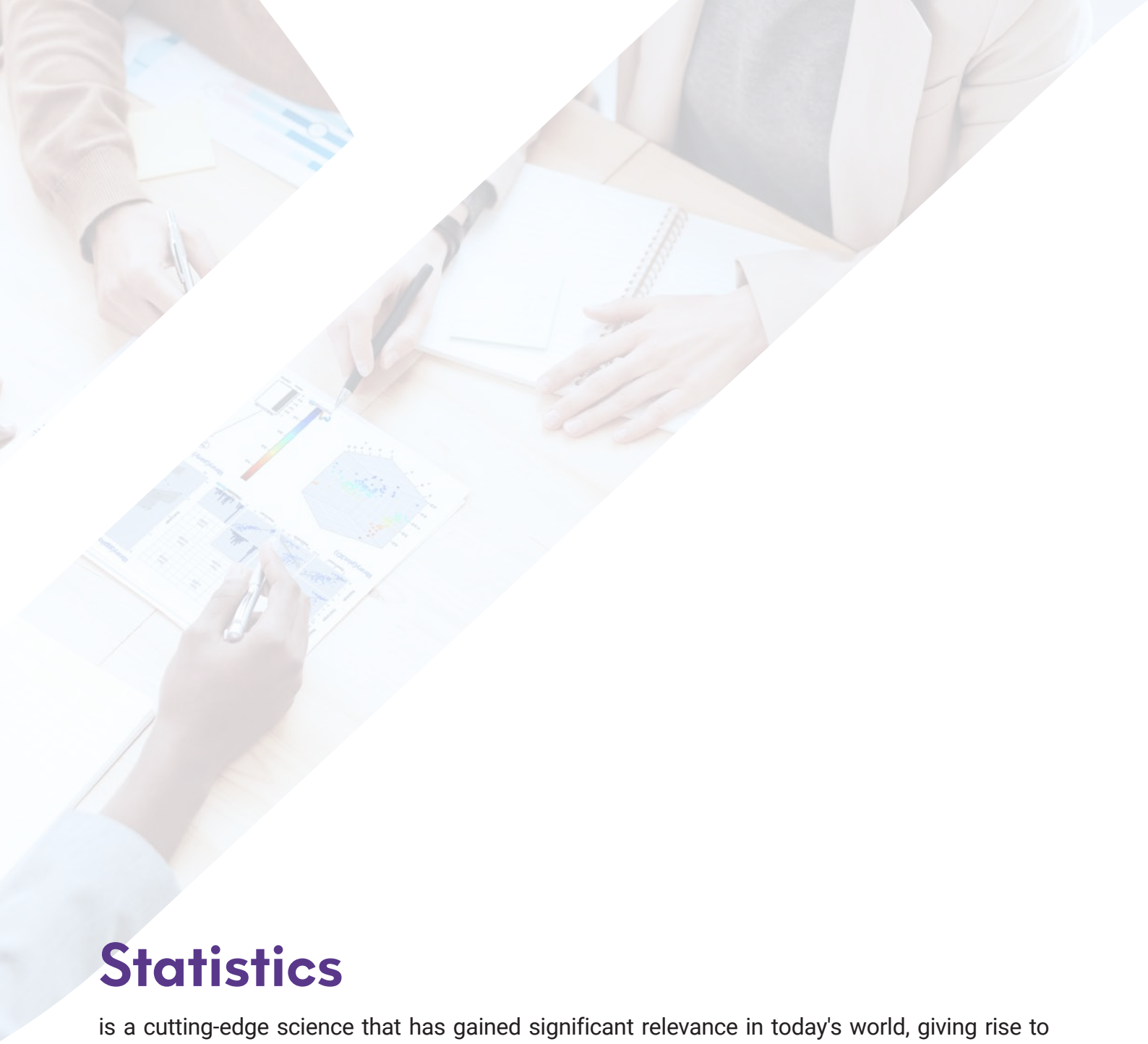
6 **EMPLOYABILITY**
Graduates with a high rate of employability in domestic and foreign companies.

SCIMAGO INSTITUTIONS RANKINGS

QS WORLD UNIVERSITY RANKINGS LATIN AMERICA

THE WORLD UNIVERSITY RANKINGS

SUSTAINABLE DEVELOPMENT GOALS



Statistics

is a cutting-edge science that has gained significant relevance in today's world, giving rise to trends such as Data Science, Business Intelligence, Big Data, and Statistical Learning. These fields aim to improve data analysis and enhance decision-making processes..

In this regard, ESPOL, a pioneer since 1995, has a track record of more than 25 years training specialists in this science. And now, aware of current market needs, it offers a Master's program in Applied Statistics.

The program will address the application of techniques and the generation of statistical models required by companies that are advancing at the speed demanded by the market, all supported by a faculty of highly qualified professors recognized for their for their professional experience and academic commitment.

Degree to be obtained:

Master's Degree in Applied Statistics

Applicant Profile

The program is aimed at professionals, executives, business people, and entrepreneurs committed to the development of their country, their company, and their profession, who hold a bachelor's degree.

Professionals with a quantitative background who have or seek to develop a highly analytical profile, based on the knowledge and application of statistical techniques as a fundamental science in decision-making.

Graduate Profile

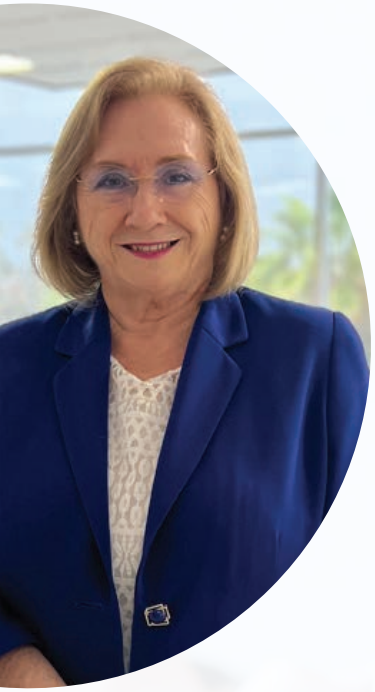
Graduates will be able to apply their knowledge to efficiently collect data, use decision-making techniques, and optimally communicate results. They will also develop the ability to select and use the appropriate methodology to statistically analyze based on its type and structure, as well as carry out the necessary procedures to ensure its consistency. In the future, they will be able to pursue careers in management positions.

Duration:
1 year + qualifications

Blended Learning:
Two regular periods within a year, in which 10 modules are taught, followed by a Degree Project.

Data Collection Methods	48 hours
Data Management	32 hours
Forecasting Models	32 hours
Advanced Statistical Modeling	32 hours
Statistical Modeling for K-Way Data	32 hours
Multivariate Methods: Concepts, Analysis, and Application	48 hours
Project Formulation	16 hours
Advanced Visualization of Statistical Results	48 hours
Statistical Learning	32 hours
Advanced Statistical Techniques for Data Mining	32 hours
Specialization Seminar	32 hours
Professional Development	16 hours
Master's Thesis	48 hours

Advanced Disciplinary Training · Qualification · Elective · Internacionalization · Linkage



Ma. Purificación Galindo, Ph.D.

Academic Coordinator

PhD in Biostatistics from the University of Salamanca; Professor of Statistics and Operations Research with more than 30 years of research experience and over 100 scientific publications; Vice-Rector for Postgraduate Studies at the University of Salamanca, and winner of the María de Maeztu Award for Scientific Excellence in 2017.

Some of our teachers:

Francisco Vera, Ph.D.

PhD in Statistics from the University of South Carolina, Columbia, SC, USA; professor and researcher at the Escuela Superior Politécnica del Litoral; temporary research assistant at Clemson University (Clemson, SC, USA); postdoctoral fellow at the National Institute of Statistical Science (NISS), USA.

Omar Ruiz, Ph.D.

Doctorate in Statistics and Optimization from the Polytechnic University of Valencia; professor and researcher at the Escuela Superior Politécnica del Litoral; associate professor in the Department of Statistics at the University of Salamanca; director of the ESPOL Statistics Center; editor-in-chief of the ESPOL Mathematics Journal; President of the Ecuadorian Chapter of the International Biometric Society (IBS).

Internacionalization:

Our agreement with the University of Salamanca (Spain) facilitates both student mobility and the integration of international professors into the program's teaching staff. Similarly, students have free access to materials and virtual courses from this institution that will enrich their studies.

Admission Requirements

- Updated resume.
- Academic or professional recommendation.
- Certificate of degree registration issued by Senescyt (national degree).
- Grades or academic performance record from the last grade obtained.
- Updated voting certificate (national).
- Letter of motivation.
- Aptitude test.

Thursday - Friday
19h00 - 22h00

Saturday
08h00 - 14h00

Foreign students should note:

- Copy of identity card, if available, or, failing that, a color copy of a valid passport.
- Certificate of registration of tertiary qualification issued by Senescyt.

Admission Process

1. Online application
2. Admission test
3. Interview
4. Response for admission
5. Signing of educational contract
6. First Payment
7. Beginning of classes

Financing

- ESPOL direct credit,
- Student Bank Loans

- ***Scholarships and financing plans:***

Investment

Enrollment: $500.00 **Fee:** $8,400.00

Payment Methods

Online payments by credit or debit card.

46% Economic Condition

39% Disability

35% Academic Excellence
Vulnerable Situation
Territorial Proximity

Early Application:
3 Months before classes begin **39%**
2 Months before classes begin **35%**

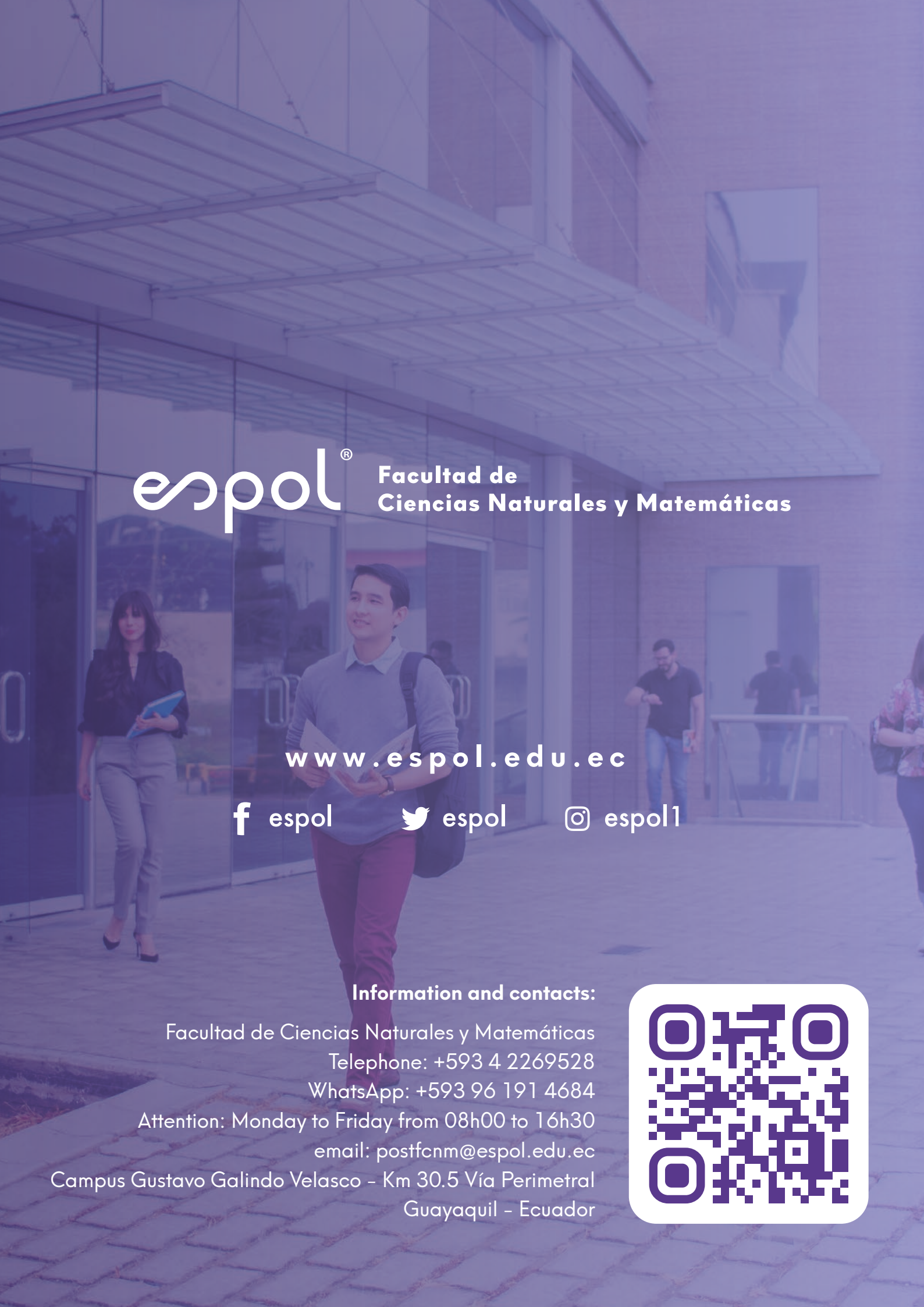
Advance Payment: **35%**

Alumni ESPOL: **39%**

Research-focused degree projects: **46%**

ESPOL Workers and Public Servants: **35%**

Inter-institutional cooperation agreements: **35% - 39%**



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Facultad de Ciencias Naturales y Matemáticas

www.espol.edu.ec

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