



NATIONAL UNIVERSITY OF ENGINEERING
COLLEGE OF ECONOMICS AND STATISTICAL ENGINEERING
STATISTICAL ENGINEERING PROGRAM

ES913 – NATIONAL STATISTICAL SYSTEM

I. GENERAL INFORMATION

CODE	: ES913 National Statistical System
SEMESTER	: 9
CREDITS	: 2
HOURS PER WEEK	: 3 (Theory–Practice)
PREREQUISITES	: 150 credits
CONDITION	: Compulsory
INSTRUCTOR	: Ruben Durand
INSTRUCTOR E-MAIL	: rdurand@uni.edu.pe

II. COURSE DESCRIPTION

Theoretical-practical course. It aims to provide students with information on the National Statistical System and statistical information systems in general; and to review the organizational and administrative aspects. It includes concepts of an information system, the production of statistics and the organization of a National Statistical System.

III. COURSE OUTCOMES

1. Make the information requested by a user referring to a specific aspect of national reality by applying the techniques learned in order to satisfy their need for information.
2. Organize production activities of national statistics.

IV. LEARNING UNITS

1. INTRODUCTION / 09 hours

Information systems / Information needs / Statistics.

2. THE NATIONAL SYSTEM OF STATISTICAL INFORMATION / 27 hours

National statistical systems / Overall process of statistical production / Data sources / Demographic statistics / Economic Statistics I / Economic Statistics II / Social Statistics I / Social Statistics II / Other statistics.

3. SYSTEM ORGANIZATION / 6 hours

Methodological resources: software, classifications and international recommendations / Organization of the system. Planning and budgeting.

V. LABORATORY AND PRACTICAL EXPERIENCES

The student will develop exercises during practice time in each class to strengthen the knowledge gained during the class. It will also use the Internet to visit websites of foreign and national statistical systems.

VI. METHODOLOGY

The following teaching strategies apply:

1. Master class.
2. Practical exercises.
3. Search and data management.

VII. EVALUATION FORMULA

The Average Grade PF is calculated as follow:

$$PF = (EP + EF + PP) / 3$$

EP: Mid-Term Exam

EF: Final Exam

PP: Average of practices

$$PP = (P1 + P2 + P3 + P4) / 4$$

VIII. BIBLIOGRAPHY

1. **COHEN, DANIEL AND ASIN, ENRIQUE**
Information systems for business. McGraw Hill, Third Edition, Mexico, 2000.
2. **UNITED NATIONS**
Statistics Division of the United Nations Department of Economic and Social Affairs.
3. **ECLAC**
Handbook of Statistical Organization, Third Edition: The Operation and organization of a statistical office. Preliminary version electronic document LC / W. 6 August 9, 2004.
4. **INSTITUTO NACIONAL DE ESTADÍSTICA E INFORMÁTICA**
<http://www.inei.gob.pe/>
5. **ECLAC**
Division of Statistics and Economic Projections of the United Nations Economic Commission for Latin America and the Caribbean: <http://www.eclac.org/deype/>