APPLIES TO ACADEMIC YEAR 2011/2012

FORK 1002 Preparatory Course in Elementary Statistics

Programme
Master of Science in International Management, Master of Science in International Marketing and Management, Master of Science in Leadership and Organizational Psychology, Master of Science in Political Economy, Preparatory Course - Master

Responsible for the course
Genaro Sucarrat

Department
Department of Economics

Term
According to study plan

ECTS Credits
0

Language of instruction
English

Introduction
This course focuses on the concepts and tools of statistics relevant to business. The course also gives practical examples relevant in social science.

Learning outcome
To provide students with understanding of the fundamentals of basic statistical principles and their applications;skills necessary for interpretation and evaluation of statistical data;
knowledge of the assumptions required for basic statistical procedures.

Prerequisites
The emphasis is on concepts and applications rather than on computational ability and skill. However, it will be required of students to add, subtract, multiply, and divide in this course!

Compulsory reading
Books:
Hair, Joseph F. ... [et al.]. 2010. Multivariate data analysis : a global perspective. 7th ed. Pearson. Selected chapters

Other:
Selected readings and hand-outs during the course

Recommended reading

Course outline
Key Statistical Concepts (1 hour)
Population
Sample

Basic Statistics (3 hours)
Descriptive statistics
Point estimation
Hypothesis testing and interval estimation for one and two samples.

Simple Linear Regression Analysis (8 hours)
Bivariate correlation analysis
The linear regression model
Estimation
Hypothesis testing

Introduction to analysis of variance (ANOVA) (3 hours)
Multiple group analysis using ANOVA
ANOVA and regression analysis

Computer-based tools
Practical examples and assignments will involve extensive use of statistical software such as SPSS.

Learning process and workload
15 hours with another 5 hours for the use of statistical software

Examination
Not applicable

Examination code(s)
Not applicable

Examination support materials
Not applicable

Re-sit examination
Not applicable

Additional information
Academic honesty and trust are important to all of us as individuals, and represent values that are encouraged and promoted by the honor code system. This is a most significant university tradition. Students are responsible for familiarizing themselves with the ideals of the honor code system, to which the faculty are also deeply committed.

Any violation of the honor code will be dealt with in accordance with BI's procedures for cheating. These issues are a serious matter to everyone associated with the programs at BI and are at the heart of the honor code and academy integrity. If you have any questions about your responsibilities under the honor code, please ask.