Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
G213	Applied Statistics	3	4	0	0	4	6

Prerequisites	G114
Admission Requirements	G114

Language of Instruction	French
Course Type	Compulsory
Course Level	Bachelor Degree
Objective	The objective of this course is to familiarize students with basic concepts and tools of statistical methodology.
Content	Sampling distributions,Estimation,Hypothesis tests,Tests of variance, Goodness-of-fit tests and Regression analysis.
References	Bernard Grais, “Statistique descriptive”,3eme edition, Dunod, Paris. Vincent Giard, "Statistiques Appliquées a la Gestion", Edition Economica,Paris. Paul Newbold, William L.Carlson, Betty Thorne, “Statistics for Business and Economics”, 6th edition, Prentice Hall, Upper Saddle River, New Jersey, 2007 Roger C. Pfaffenberger, James H. Patterson, “Statistical Methods for Business and Economics”, Irwin 2003

Theory Topics

Week	Weekly Contents
1	Introduction. Sampling distribution
2	Sampling distributions of sample means
3	Sampling distributions of sample proportions
4	Estimation
5	Properties of Point Estimators
6	Estimation of confidence intervals
7	Sample size determination
8	Midterm exam
9	Hypothesis Testing
10	Tests of variance
11	Goodness-of-fit tests
12	Contingency tables
13	Regression analysis
14	Regression analysis