General Information	
Academic subject	Statistics I
Degree course	BUSINESS ECONOMICS
Curriculum	
ECTS credits	10
Compulsory attendance	Recommended
Language	Italian

Subject teacher	Antonella Massari	antonella.massari@uniba.it	

ECTS credits details	Statistics I	SECS-S/01	10
Basic teaching activities			

Class schedule	
Period	II semester
Year	2020-2021
Type of class	Lectures, exercises, seminars(univariate and bivariate analysis by Excel)

Time management	
Hours	80
Hours of lectures	70
Tutorials and lab	10

Academic calendar	
Class begins	8-3-21
Class ends	18 -6- 21

Syllabus	
Prerequisites/requirements	Basic Knowledge of Math
Expected learning outcomes	The course aims to: - provide basic knowledge of statistical methodology for descriptive analysis of social, economic, business and financial phenomena, - provide skills useful for the development of critical formation needed to apply descriptive statistical methodology to practical cases, above all in a business context, - supply competence in relation to the acquisition, processing, presentation and interpretation of data (in univariate and bivariate analysis), to allow for effective use of qualitative and quantitative information in a business context
Contents	Cap 1 Introduction to Statistics Cap 2 Data collection and classification Cap 3 Statistical tables Cap 4 Graphic representation Cap 5 Statistical ratios Cap 6 Averages Cap 7 Variability: measurement of dispersion and inequality Cap 8 Asymmetry: normal curve and skewness Cap 9 Analytical representation of distributions

	Cap 11 General concepts of the internal relations between the components of a double statistical variable Cap 12 Analysis of Dependence Cap 13 Analysis of Interdependence Cap 14 Analysis of statistical mutable
Course program	
Bibliography	1) G. GIRONE, C. Corcetta, A. Massari "Statistica", Bari, Cacucci, 2019 2) P. PERCHINUNNO- V. C. DE NICOLO', "Esercizi di Statistica", CLEUP, 2010 3) D. Posa – S. Deiaco – M. Palma – S. Maggio "esercizi di Statistica descrittiva" G. Giappichelli, Torino, 2006
Notes	The textbook for the study of methodology is Girone. For practical applications and exercises the reference texts are: P. PERCHINUNNO- V. C. DE NICOLO', "Esercizi di Statistica", CLEUP, 2010; D. Posa – S. Deiaco – M. Palma – S. Maggio "Esercizi di Statistica descrittiva" G. Giappichelli, Torino, 2006 Perchinunno De Nicolo '.
Teaching methods	Lectures , exercises, seminars
Assessment methods	Written exam based on 15 questions with multiple choice and oral interview with the simultaneous correction of the written test
Evaluation criteria	The candidate will be able to: - show awareness of statistical methodology for univariate and bivariate descriptive analysis of collective phenomena, - apply knowledge acquired to practical cases, showing effective orientation in the choice of instruments of measurement and indexing, and demonstrating independent judgement in the interpretation of results, - above all gain familiarity with data acquisition ,processing,, presentation and interpretation (by means of averages, variability indexes, form of distribution and analysis of the relationship between characters), with a view to transforming the information collected into an awareness which will prove useful in the decision making process in a business context.
Further information	