

General Information	
Academic subject	<b>Statistical Methods for Business Decision-Making</b>
Degree course	Business and Professional Consulting
Curriculum	
ECTS credits	8
Compulsory attendance	No
Language	Italiano

Subject teacher	Name Surname	Mail address	SSD
	Domenico Leogrande	domenico.leogrande@uniba.it	SECS-S/01

ECTS credits details			
Basic teaching activities	8		

Class schedule	
Period	II semester
Year	I
Type of class	Lecture- exercises - workshops

Time management	
Hours	56
Hours of lectures	45
Tutorials and lab	11

Academic calendar	
Class begins	18.02.2020
Class ends	07.06.2020

Syllabus	
Prerequisites/requirements	An in-depth knowledge of basic univariate and multivariate statistics is required together with the knowledge of elements of probability and inferential statistics
Expected learning outcomes	<div> <div></div> <div></div> <div> <p>The course aims to investigate the procedure necessary to perform analysis in a business environment. In particular, it will be explained how it is possible to acquire information useful to analyze the phenomena regarding the business management, through the use of statistical methods. Concrete examples of the application of this method will be provided, as well as real problems managers often face in the business environment.</p> </div> </div>
Contents	<ul style="list-style-type: none"> <li>- Probability and statistical inference;</li> <li>- Use of statistics for business management;</li> <li>- Availability and production of statistical information;</li> <li>- Data Interpretation and analysis of corporate phenomena;</li> <li>- Statistical quality control;</li> <li>- Technical performance of the productive process;</li> </ul>

	<ul style="list-style-type: none"> <li>- Measuring the relationships between quantitative variables orienting business decisions;</li> <li>- Methods for time series analyses;</li> <li>- Business performance assessment.</li> </ul>
Course program	
Bibliography	<p>L. Biggeri, M.Bini, A.Coli, L.Grassini, M.Maltagliati, <i>Statistica per le decisioni aziendali</i>, Pearson, Milano 2012</p> <p>B. Brancalente, M.Cossignani, a.Mulas, <i>Statistica aziendale</i>, McGraw_Hill, Milano 2009.</p>
Notes	
Teaching methods	Lectures, exercises.
Assessment methods (indicate at least the type written, oral, other)	Written exam based on 5 questions and oral interview with the simultaneous correction of the written test
Evaluation criteria (Explain for each expected learning outcome what a student has to know, or is able to do, and how many levels of achievement there are.	<p>The candidate will be able to:</p> <ul style="list-style-type: none"> <li>- show awareness of statistical methodology for multivariate analysis of business management;</li> <li>- 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,</li> <li>- above all gain familiarity with data acquisition ,processing,, presentation and interpretation, with a view to transforming the information collected into an awareness which will prove useful in the decision making process in a business context</li> </ul>
Further information	