

<b>General Information</b>	
Academic subject	Statistics II
Degree course	Business Economics
Curriculum	
ECTS credits	8
Compulsory attendance	Recommended
Language	Italian

<b>Subject teacher</b>	Antonella Massari	<a href="mailto:antonella.massari@uniba.it">antonella.massari@uniba.it</a>	

<b>ECTS credits details</b>	Statistics II	SECS-S/01	8
Basic teaching activities			

<b>Class schedule</b>	
Period	I semester
Year	2019-2020
Type of class	Lectures, exercises, seminars (about the application of statistical methodologies in a business context)

<b>Time management</b>	
Hours	66
Hours of lectures	56
Tutorials and lab	10

<b>Academic calendar</b>	16/09/2019
Class begins	13/12/2019
Class ends	

<b>Syllabus</b>	
Prerequisites/requirements	Descriptive Statistics
Expected learning outcomes	<p>The course aims to:</p> <ul style="list-style-type: none"> <li>- Provide awareness of statistical methodology for analysis of partial and multiple regression and correlation, analysis of historical and territorial series and fundamentals of Inferential statistics, taking into account those aspects deemed to be the most relevant from a conceptual and applied point of view, in a business context,</li> <li>- supply useful skills for the application of inferential methodology to practical cases,</li> <li>- supply competence in connection with the use of statistical methodology in a business context ( by seminars :statistical sampling in auditing and statistical analysis in business diagnosis)</li> </ul>
Contents	<p>Partial and multiple regression and correlation  Time series analysis  Spatial series analysis  Introduction to statistical inference  Causal variables and their distribution  Logic and techniques of inference  Problems of inference on averages  Problems of inference on percentages  Problems of inference on variances</p>

	<p>Problems of inference on regression and correlation coefficients</p> <p>Seminar on:  Statistical sampling in auditing  Statistical analyses of business diagnosis</p>
Course program	
Bibliography	G. GIRONE, C. Crocetta, A. Massari "Statistica", Bari, Cacucci, 2019
Notes	About seminars :Lecture notes will be provided during the course
Teaching methods	Lectures, exercises, seminars (about the application of statistical methodologies in a business context)
Assessment methods	Oral exam including the application of Statistical methodology to practical cases and interpretation of results
Evaluation criteria	<p>The candidate will be able to:</p> <ul style="list-style-type: none"> <li>- demonstrate basic knowledge of Inferential Statistical methodology and of the analysis of partial and multiple regression and correlation, as well as analysis of historical and territorial series,</li> <li>- apply this methodology to the solution of practical cases</li> <li>- show skill in relation to the ability to choose the most suitable statistical instruments for the analysis of inferential problems, apply autonomous judgement to the interpretation of results and be able to obtain useful information from data, as an aid to the most effective decision making, above all in a business context.</li> </ul>
Further information	