

## COURSE OF STUDY Economics and Finance

ACADEMIC YEAR 2023-2024

ACADEMIC SUBJECT Statistics

General information	
Year of the course	<i>1 year</i>
Academic calendar (starting and ending date)	<i>II semester (15-02-2024-15-06-2024)</i>
Credits (CFU/ETCS):	10
SSD	<i>STATISTICS – SECS-S/01</i>
Language	<i>Italian</i>
Mode of attendance	<i>optional</i>

Professor/ Lecturer	
Name and Surname	<i>Dante Mazzitelli; Najada Firza</i>
E-mail	<a href="mailto:dante.mazzitelli@uniba.it">dante.mazzitelli@uniba.it</a> <a href="mailto:najada.firza@uniba.it">najada.firza@uniba.it</a>
Telephone	336820700
Department and address	<i>Department of Economics and Finance, V floor room no. 16, room no. 11</i>
Virtual room	<i>Teams code to be generated at the beginning of the course</i>
Office Hours (and modalities: e.g., by appointment, on line, etc.)	<i>On appointment</i>

Work schedule			
Hours			
Total	Lectures	Hands-on (laboratory, workshops, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
70			
CFU/ETCS			
10			

<b>Learning Objectives</b>	The course aims to provide the essential elements for the practical application of statistical methodology to economic phenomena.
<b>Course prerequisites</b>	no prerequisites

<b>Teaching strategie</b>	Frontal teaching, classroom exercises, seminars, group work.
<b>Expected learning outcomes in terms of</b>	
<b>Knowledge and understanding on:</b>	<b>Expected learning outcomes:</b> At the end of the course, students will be able to identify the most appropriate quantitative tools for analysing the phenomena being studied, particularly in the economic and social fields.
<b>Applying knowledge and understanding on:</b>	<b>Knowledge and understanding:</b> Students will acquire knowledge of the most frequently used statistical analysis tools and will be able to evaluate the results obtained in different contexts.
<b>Soft skills</b>	<b>Ability to apply knowledge and understanding:</b> At the end of the course, students should be able to analyse simple analytical problems in the economic and/or social fields, choosing the most appropriate statistical tools. <b>Making judgements:</b> Mastery of the analysis tools will allow students to autonomously evaluate the level of reliability of the results achieved.

	<p><b>Communication skills:</b> the exposure of the teaching material and listening to the lessons will allow students to argue with a precise and appropriate vocabulary.</p> <p><b>Learning skills:</b> The knowledge and skills acquired will allow students to explore more advanced topics, with particular reference to the lines of study presented briefly at the end of the course.</p>
<b>Syllabus</b>	<p><i>Introduction to Statistics;</i>  <i>Data collection and classification;</i>  <i>Statistics tables. graphical representations;</i>  <i>Statistical reports;</i>  <i>Average;</i>  <i>Variability; Asymmetry, normal curve and abnormalities;</i>  <i>Analytical representation of distributions;</i>  <i>Divergence between two statistical variables;</i>  <i>Relations between the components of a double statistical variable;</i>  <i>Dependency Analysis;</i>  <i>Interdependence analysis;</i>  <i>Introduction to time series and spatial series</i></p>
<b>Content knowledge</b>	<i>G. GIRONE, A. MASSARI, C. CROCETTA Statistica, Bari, Cacucci, 2019</i>
<b>Texts and readings</b>	<i>Lecture notes, exercises performed</i>
<b>Notes, additional materials Repository</b>	<i>The training material is available on Teams</i>

<b>Assessment</b>	
Assessment methods	<p><b>Knowledge and understanding:</b> demonstrate knowledge of the methodological basis;</p> <p><b>Applied knowledge and understanding:</b> knowing how to perform descriptive statistics exercises;</p> <p><b>Making judgements:</b> being able to provide solutions to elementary and/or increasingly complex problems;</p> <p><b>Communication skills:</b> being able to express methodological concepts using technical language;</p> <p><b>Learning ability:</b> being able to carry out the written test.</p> <p>- the modality of carrying out the final exam is written test and interview.</p>
Assessment criteria	<ul style="list-style-type: none"> <li>• Knowledge and understanding:</li> <li>• Applying knowledge and understanding:</li> <li>• Autonomy of judgment:</li> <li>• Communicating knowledge and understanding:</li> <li>• Communication skills:</li> <li>• Capacities to continue learning:</li> </ul>
Final exam and grading criteria	<i>adequate, good, or optimal</i>
<b>Further information</b>	