COURSE OF STUDY *Business Economics - Brindisi*
ACADEMIC YEAR *2023-2024*
ACADEMIC SUBJECT *Statistics 2*

General information	
Year of the course	First
Academic calendar (starting and ending date)	First semester (September 18th, 2023 – January 12th, 2024)
Credits (CFU/ETCS):	8
SSD	SECS-S/01- Statistics
Language	*Italian*
Mode of attendance	*No Compulsory*

Professor/ Lecturer	
Name and Surname	Samuela L'Abbate
E-mail	samuela.labbate@uniba.it
Telephone	
Department and address	DEMDI – Department of Economics, Management and Business Law University of Bari, 5th floor and room 54
Virtual room	*Microsoft Teams*
Office Hours (and modalities: e.g., by appointment, online, etc.)	*Monday to Friday by appointment only*

Work schedule			
Hours			
Total	Lectures	Hands-on (laboratory, workshops, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
64	64		
CFU/ETCS			
8	8		

Learning Objectives	The course aims to: • 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, considering those aspects deemed to be the most relevant from a conceptual and applied point of view, in a business context. • Supply useful skills for the application of inferential methodology to practical cases.
Course prerequisites	Knowledge of Descriptive Statistics (Statistics I)

Teaching strategie	Frontal lessons, exercises cases of study, and small surveys by building and proposing questionnaires. Processing in Excel.
Expected learning outcomes in terms of	
Knowledge and understanding on:	• Knowledge of the statistical methodology for the analysis of partial and multiple regression and correlation, the analysis of historical and territorial series and the foundations of inferential statistics, considering the aspects

	considered most relevant, from a conceptual and applicative point of view, in the field corporate.
Applying knowledge and understanding on:	• Ability to apply the methodologies of inferential statistics to analyze data and interpret them, developing inferences and reasoning about them.
Soft skills	• Ability to interpret statistical analyses using the techniques of statistical inference. • Ability to describe the phenomena studied and interpret the statistical results obtained with specialized terminology. • Ability to deepen and update one's knowledge in the field of statistics.
Syllabus	
Content knowledge	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
Texts and readings	• Notes of the lectures • G. GIRONE, C. CROCETTA, A. MASSARI. Statistica, Bari, Cacucci, 2019.
Notes, additional materials	Notes, slides, and other bibliographic materials will be furnished during the course
Repository	All teaching material will be available to students on web platforms Microsoft Teams.

Assessment	
Assessment methods	Oral exam which includes the application of the methodology to empirical cases and the related discussion of the results. For those attending there are 1 or 2 exemptions.

Assessment criteria	• Knowledge and understanding:
	  ○ Knowledge of the contents of the syllabus.
	  ○ Ability to report on problems addressed in class.
	• Applied knowledge and understanding:
	  ○ Describe statistical methodologies to be applied in analyzing data and interpreting them, developing inferences and reasoning about the same.
	  ○ Ability to link program content.
	• Autonomy of judgment:
	  ○ Exhibit skills related to the ability to choose the most appropriate tools in analyzing inferential problems, have autonomy of judgment in interpreting results, and be able to draw effective information from data.
	• Communicating knowledge and understanding:
	  ○ Describe the phenomena studied and interpret the statistical results obtained by showing expository skills and ability to present and interpret data with appropriate terminology.
	• Communication skills:
	  ○ Hypothesize an approach to employing acquired knowledge

Final exam and grading criteria	The evaluation criteria that contribute to the attribution of the final mark will be: knowledge and understanding, the ability to apply knowledge, autonomy of judgment, i.e., the ability to criticize and formulate judgments, communication skills.

	The Examination Committee has a score ranging from a minimum of 18 to a maximum of 30 points for a positive assessment of the student's performance. By unanimous vote of its members, the Board may award honours in cases where the final mark is 30.
Further information	