



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Culture e società
ACADEMIC YEAR	2019/2020
BACHELOR'S DEGREE (BSC)	SOCIAL WORK
SUBJECT	SOCIAL STATISTICS AND STATISTICAL MODELS FOR SOCIAL WORK
TYPE OF EDUCATIONAL ACTIVITY	A
AMBIT	50228-Discipline politico-economiche-statistiche
CODE	18798
SCIENTIFIC SECTOR(S)	SECS-S/05
HEAD PROFESSOR(S)	PARROCO ANNA MARIA Professore Ordinario Univ. di PALERMO
OTHER PROFESSOR(S)	
CREDITS	6
INDIVIDUAL STUDY (Hrs)	120
COURSE ACTIVITY (Hrs)	30
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	1
TERM (SEMESTER)	1° semester
ATTENDANCE	Not mandatory
EVALUATION	Out of 30
TEACHER OFFICE HOURS	PARROCO ANNA MARIA Tuesday 09:00 12:30 Il ricevimento si svolge in presenza presso lo studio 610, al 6 piano dell'ed.15 oppure a distanza su piattaforma TEAMS. Dopo essersi prenotati, si prega di inviare una mail all'indirizzo annamaria.parroco@unipa.it specificando la modalita prescelta e per concordare un appuntamento orario.

DOCENTE: Prof.ssa ANNA MARIA PARROCO

PREREQUISITES	Fundamental elements of mathematics (Operational systems, natural, rational, real numbers and their property; the concept of function, the orthogonal Cartesian reference system)
LEARNING OUTCOMES	<p>Knowledge and understanding Knowledge and understanding of the basic models and techniques of statistics.</p> <p>Applying knowledge and understanding Application of theoretical and methodological skills to support the analysis of psychological context.</p> <p>Making judgements Acquisition of the capacity to work independently, with a critical and aware approach, demonstrating to know to take operational decisions in relation to the needs and the problems encountered in different situations.</p> <p>Communication Acquisition of skills of description and synthesis and use of an appropriate statistical lexicon.</p> <p>Lifelong learning skills Achieving an expertise in individual study. Achieving good ability to apply knowledge to solve concrete proposals situations</p>
ASSESSMENT METHODS	<p>Written and oral test.</p> <p>The written test, will consist of closed questions, open-ended questions and exercises. It will be aimed at assessing acquisitions reached during the course and, in particular, the ability to apply knowledge and understanding, independence of judgment and communication skills. the written test will last about one hour. Scores on each question will depend on whether the answer is totally or partially correct, incorrect or misleading. Grades are expressed in thirtieths.</p> <p>The oral examination which will consist of an interview, must ascertain the possession of skills and subject knowledge provided by the course. The candidate will have to answer at least two/three questions posed orally, on all parties covered by the program, with reference to the recommended texts. Final assessment aims to evaluate whether the student has knowledge and understanding of the topics as well as he/she has acquired the capacity to interpret and independent judgment of concrete cases. The pass mark will be reached when the student shows knowledge and understanding of the subjects at least in general terms, and has minimal application knowledge regarding the presentation of case studies; he/she will also have presentation and argumentative skills as to allow the transmission of his/her knowledge to the examiner. Below this threshold, the examination will be insufficient. Grades are expressed in thirtieths.</p> <p>Final assessment is the average of written and oral grades.</p>
EDUCATIONAL OBJECTIVES	The course will address the basic instrument of social statistics. The course will be taking into account theoretical and methodological aspects as well as practical ones.
TEACHING METHODS	Theoretic-practical lessons with the personal computer.
SUGGESTED BIBLIOGRAPHY	<p>(Uno a scelta)</p> <p>Agresti A., Franklin C., Statistica. L'arte e la scienza di imparare dai dati. Pearson, 2016. (capitoli 1-3).</p> <p>Borra S., Di Ciaccio A., Statistica, metodologie per le scienze economiche e sociali, McGraw-Hill, 2008 (capitoli 1-6).</p> <p>Altri materiali forniti dal docente</p>

SYLLABUS

Hrs	Frontal teaching
2	Quantitative methods in social science: introduction
1	concepts of population, unit and variable
4	Types of variable; data matrix, Statistical sources of data. Statistical indicators.
3	frequency distributions
3	graphics of frequency distributions.
3	different kinds of average (mode, percentiles, arithmetic mean) and their properties
2	Variability and its measures for quantitative variables

SYLLABUS

Hrs	Frontal teaching
1	Variability and its measures for qualitative variables
2	Two way frequency distributions
1	Introduction to the study of variables relationship
1	Relationship between ordinal variables : the rho index
1	Relationship between quantitative variables: the scatterplot
Hrs	Practice
2	data analysis using software
2	data analysis using software
2	Data analysis using software