



**COURSE OF STUDY LM 84 Scienze storiche**

**ACADEMIC YEAR 2023 -24**

**ACADEMIC SUBJECT Analysis of gender differences**

| General information                          |                                      |
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| Year of the course                           | 2                                    |
| Academic calendar (starting and ending date) | September 25, 2023- December 7, 2023 |
| Credits (CFU/ETCS):                          | 6                                    |
| SSD  | Seccs S/01 statistics                |
| Language                                     | Italian                              |
| Mode of attendance                           | Presence                             |

| Professor/ Lecturer  |   |
|--|---|
| Name and Surname   | Corrado Crocetta  |
| E-mail   | <a href="mailto:corrado.crocetta@uniba.it">corrado.crocetta@uniba.it</a>  |
| Telephone  |   |
| Department and address   | DIRIUM, Palazzo Ateneo via Crisanzio 1 Bari 2nd floor   |
| Virtual room   |   |
| Office Hours (and modalities: e.g., by appointment, on line, etc.) | To ask information or book a meeting with the teacher please send an e.mail to <a href="mailto:corrado.crocetta@uniba.it">corrado.crocetta@uniba.it</a> |

| Work schedule |          |   |  |
|---------------|----------|---|--|
| Hours         |          |   |  |
| Total         | Lectures | Hands-on (laboratory, workshops, working groups, seminars, field trips) | Out-of-class study hours/ Self-study hours |
| 150           | 28       | 14  | 108  |
| CFU/ETCS      |          |   |  |
| Es. 6         | 4        | 2   |  |

| Learning Objectives |   |
|---------------------|---|
|                     | <p>Analysis of gender differences</p> <p>Provide the quantitative tools needed to measure any gender differences over time and space. These statistical measurements make it possible to grasp the concentration of phenomena and their determinants. The analyzes will be oriented towards the identification of possible active policies.</p> <p>Knowledge and understanding:</p> <p>The student will have to demonstrate that he is able to choose the statistical indices useful for synthesizing complex phenomena. Being able to summarize complex phenomena through graphs and tables.</p> <p>Autonomy of judgment:</p> <p>The student will have to demonstrate to be able to independently process data and to know how to use them to make decisions</p> |



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|                             | <p>Communication skills:<br/>The student must be able to analyze complex phenomena and to communicate the results through the tools of graphic representations, tables and through synthetic indicators.</p> <p>Ability to learn:<br/>Having acquired the statistical methods and tools, the student will have to demonstrate that he can apply them independently to the study and discussion of historical problems and phenomena also through the analysis of historical series.</p> |
| <b>Course prerequisites</b> | Basic knowledge (at high school level) of arithmetic, algebra, and geometry.  |

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| <b>Teaching strategie</b>                       | <i>Lesson in presence. Project work</i>  |
| <b>Expected learning outcomes in terms of</b>   |  |
| <b>Knowledge and understanding on:</b>          | The student will have to demonstrate that he is able to interpret the results of statistical analyzes related to gender inequalities.  |
| <b>Applying knowledge and understanding on:</b> | The student must demonstrate that he is able to identify the determinants of the statistical phenomena analyzed.   |
| <b>Soft skills</b>                              | <p><i>Making informed judgments and choices</i><br/>The student will have to demonstrate that he is able to describe and discuss phenomena on the basis of the available statistical sources.</p> <p><i>Communicating knowledge and understanding</i><br/>The student will have to demonstrate that he is able to describe and discuss phenomena on the basis of the available statistical sources.</p> <p><i>Capacities to continue learning</i><br/>The student will have to demonstrate that he can independently apply acquired knowledge and skills to discuss the results obtained..</p>   |
| <b>Syllabus</b>                                 |  |
| <b>Content knowledge</b>                        | <p><b>Course program</b></p> <ol style="list-style-type: none"> <li>1. Data collection and classification. Survey design. Sample surveys. Data collection. Intensity, categories, and frequencies. Various types of variables.</li> <li>2. Statistical observation. Quantitative and qualitative variables. Time series and territorial series. Two way and multiple variables.</li> <li>3. Graphical representations of data. Purpose of graphical representations. Cartesian diagrams. Orthograms and histograms. The area method. The polar diagram. The cartograms.</li> <li>4. Index numbers add social indicators to analyse complex phenomena as gender balance.</li> <li>5. Mean values (mode, median, quantiles, arithmetic, harmonic, geometric, quadratic mean). Mean Properties.</li> <li>6. Variability measures (range, interquartile range, deviance, variance, standard deviation, coefficient of variability, Gini's ratio).</li> <li>7. Regression and correlation. Dependent, independent, and interdependent characters. Regression lines. Linear</li> </ol> |

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|                                    | <p>correlation coefficient. Regression variance. Quadratic connection index.</p> <p>8. The construction of the questionnaire, the relevance of the questionnaire, the pitfalls that arise in the construction of the questionnaire: substance and forms of the questions, the formulation of the questions, batteries of questions, the arrangement of the response methods, the pre-test, instructions for the interviewer.</p> <p>9. Interviews and inquiries Methods of detection, diachronic inquiries.</p> <p>10. The gender balance of Italian universities and the indicators for measuring gender balance. Analysis of the historical series of gender balances.</p> |
| <b>Texts and readings</b>          | Statistica, G. Girone, C. Crocetta, A. Massari, Cacucci Editore, Bari, 2019  |
| <b>Notes, additional materials</b> |  |
| <b>Repository</b>                  | <a href="http://dati.ustat.miur.it/dataset/dati-per-bilancio-di-genere">http://dati.ustat.miur.it/dataset/dati-per-bilancio-di-genere</a>  |

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| <b>Assessment</b>               |  |
| Assessment methods              | <i>Oral examination</i>  |
| Assessment criteria             | <p><i>Knowledge and understanding:</i><br/>The student will have to demonstrate that he is able to interpret the results of statistical analyzes related to gender inequalities.</p> <p><i>Applying knowledge and understanding:</i><br/>The student must demonstrate to be able to identify the determinants of the statistical phenomena analyzed.</p> <p><i>Autonomy of judgment:</i><br/>The student will have to demonstrate that they are able to formulate hypotheses and interpret the results of the phenomena analyzed also in a historical key by examining their temporal evolution.</p> <p><i>Communicating knowledge and understanding</i><br/>The student will have to demonstrate that he has understood the subject</p> <p><i>Communication skills:</i><br/>The student will have to demonstrate that he is able to describe and discuss phenomena according the available statistical sources.</p> <p><i>Capacities to continue learning</i><br/>The student must demonstrate that he is able to independently apply acquired knowledge and skills to discuss the results obtained</p> |
| Final exam and grading criteria | <p>The final exam will consist of an oral interview. Partial exemptions will be provided for students who carry out in-depth work during the course.</p> <p>The exam calendar is published on the Degree Course website and on Esse3.</p> <p>To register for the exam, it is mandatory to use the Esse3 system.</p>  |
| <b>Further information</b>      |  |
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