

| General Information | |
|-----------------------|---------------------------------------|
| Academic subject | Psychometrics |
| Degree course | Psychological Sciences and Techniques |
| Curriculum | na |
| ECTS credits | 9 |
| Compulsory attendance | No |
| Language | Italian |

| Subject teacher | Name Surname | Mail address | SSD |
|-----------------|---------------------|---------------------------|----------|
| | Alessandro O. Caffò | alessandro.caffo@uniba.it | M-PSI/03 |

| ECTS credits details | | | |
|---------------------------|---------------|----------|---|
| Basic teaching activities | Psychometrics | M-PSI/03 | 9 |

| Class schedule | |
|----------------|------------|
| Period | Semester I |
| Year | II |
| Type of class | Lecture |

| Time management | |
|--------------------------|--------|
| Hours measured | 60 min |
| In-class study hours | 60 |
| Out-of-class study hours | 165 |

| Academic calendar | |
|-------------------|--------------|
| Class begins | October 2020 |
| Class ends | January 2021 |

| Syllabus | |
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| Prerequisite requirements | Knowledge of the basic concepts of descriptive and inferential statistics, and of research methodology in psychology |
| Expected learning outcomes (according to Dublin Descriptors) | <p><i>Knowledge and understanding</i> Knowledge and ability to understanding basic concepts of psychometrics and statistics applied to psychological subjects</p> <p><i>Applying knowledge and understanding</i> Knowledge and ability to understanding and applying basic psychometrics concepts and techniques with a professional approach, and adequate competences to both supporting argument and solving problems in psychological subjects</p> <p><i>Making informed judgements and choices</i> Ability to collect, analyse and critically interpret data related to psychological variables; ability to formulate informed judgements, ability to critically think on scientific or ethical topics related to psychological subjects</p> <p><i>Communicating knowledge and understanding</i> Ability to communicate information, results, ideas, problems and solutions to specialized and non-specialized audience</p> <p><i>Capacities to continue learning</i> Learning abilities in order to undertake further studies with a high degree of autonomy, as well as professional activities with a high intellectual content</p> |
| Contents | Introduction A) Descriptive statistics, measurement scales, methodology of |

| | |
|----------------------------|---|
| | <p>research: a review of basic concepts</p> <p>B) Introduction to inferential statistics I</p> <ol style="list-style-type: none"> 1) Group-population comparison 2) Two groups comparison 3) Two conditions in the same group comparison 4) Non-parametric statistics: binomial test and chi-square test <p>C) Introduction to inferential statistics II</p> <ol style="list-style-type: none"> 1) Pearson's Correlation 2) One-way Analysis of Variance 3) Linear Regression <p>D) Psychological data analysis with jamovi software</p> |
| Course program | |
| Bibliography | <ol style="list-style-type: none"> 1) Primi, C., & Chiesi, F. (2008). <i>Introduzione alla psicometria</i>: Caterina Primi, Francesca Chiesi. Laterza. 2) Areni, A., Scalisi, T. G., Bosco, A., Caffò, A. O. (2020). <i>Esercitazioni di psicometria</i>. Edra. <p>For Erasmus students:</p> <p>Kline, P. (2000). <i>A psychometrics primer</i>. Free Assn Books, or equivalent.</p> |
| Notes | The proposed books might be integrated with study materials provided by the teacher |
| Teaching methods | Classes. The course will be enriched with practical exercises proposed during the classes. |
| Assessment methods | The examination is written; students will be required to solve psychometric questions |
| Further information | All the communications to the students will be provided within the teacher's webpage on the website of the Department. |

BARI, 01/06/2020

SIGNATURE

ALESSANDRO ORONZO CAFFO'

