



COURSE OF STUDY

PSYCHOLOGY – CURRICULUM

FORENSIC PSYCHOLOGY AND NEUROPSYCHOLOGY

ACADEMIC YEAR

2023-2024

ACADEMIC SUBJECT PSYCHOMETRIC ASSESSMENT IN FORENSIC AND NEUROPSYCHOLOGICAL PRACTICE

General information	
Year of the course	1st year
Academic calendar (starting and ending date)	1 st semester (from October 2023 to January 2024)
Credits (CFU/ETCS):	9
SSD	Psychometrics – M-PSI/03
Language	Italian
Mode of attendance	Not compulsory

Professor/ Lecturer	
Name and Surname	Alessandro Oronzo Caffò
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Department and address	Room 413, IV Floor, Chiaia-Napolitano Building, Via Crisanzio, 42 – 70122 Bari
Virtual room	Virtual Room on Microsoft Teams platform “Ricevimento Alessandro Caffò” code uj7fxi3
Office Hours (and modalities: e.g., by appointment, on line, etc.)	Every Tuesday from 10 AM to 12 AM, by email appointment

Work schedule			
Hours			
Total	Lectures	Hands-on (laboratory, workshops, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
225	60		165
CFU/ETCS			
9	2.4		6.6

Learning Objectives	<i>The course of Psychometric Assessment in Forensic and Neuropsychological Practice aims to provide theoretical and technical-practical skills for the construction and critical use of psychometric tests in psychoforensic and neuropsychological assessment contexts, with a particular focus on their functioning and their application in a Bayesian diagnosis perspective.</i>
Course prerequisites	<i>Knowledge of basic concepts of psychometrics, theory and techniques of testing and research methodology.</i>

Teaching strategie	<i>The teaching strategy is based on the introduction of the topics by the teacher and on the discussion in the classroom, through lectures and practical exercises. The frontal lesson consists in the presentation by the teacher and in the acquisition by the student of the theoretical knowledge. The practical exercise consists in solving</i>
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	<i>questions and problems of psychological assessment and data analysis applied to psychoforensic and neuropsychological disciplines.</i>
Expected learning outcomes in terms of	<i>The expected learning outcomes are listed below, in light of each Dublin Descriptor.</i>
DD1 Knowledge and understanding on:	<i>DD1: The student will acquire knowledge and understanding of assessment and data analysis procedures applied to psychoforensic and neuropsychological contexts.</i>
DD2 Applying knowledge and understanding on:	<i>DD2: The student will acquire knowledge and ability to understand and apply the psychometric concepts and techniques of assessment and data analysis applied to psychoforensic and neuropsychological contexts with a professional approach, and adequate skills both to devise and support arguments and to solve problems in psychology disciplines.</i>
DD3- Soft skills	<i>DD3: Making informed judgments and choices The student will develop the ability to collect, analyze and critically interpret data relating to psychological variables; ability to formulate critical and autonomous judgments, including the ability to reflect on scientific or ethical issues connected with psychoforensic and neuropsychological disciplines.</i>
	<i>DD4: Communicating knowledge and understanding The student will develop the skills to communicate information, results, ideas, problems and solutions to specialist and non-specialist audiences.</i>
	<i>DD5: Capacities to continue learning The student will develop the learning and self-training skills necessary to undertake further studies with a high degree of autonomy, as well as professional activities with a high intellectual content.</i>
Syllabus	
Content knowledge	<ol style="list-style-type: none"> 1. Introduction to the Course 2. Methodologies and research designs in forensic psychology and neuropsychology 3. Psychodiagnostic assessment from a Bayesian perspective in the psychoforensic and neuropsychological fields 4. Data analysis to verify the effectiveness of interventions in the psychoforensic and neuropsychological fields 5. Exploratory and confirmatory factor analyses 6. Introduction to R and jamovi open source software
Texts and readings	<ol style="list-style-type: none"> 1. Ercolani, A.P. (2007). <i>Strumenti statistici per la ricerca, la valutazione e la diagnosi in psicologia</i>. Raffaello Cortina Editore. 2. Gallucci, M., Leone, L., Berlinger, M. (2016). <i>Modelli statistici per le scienze sociali</i>. Pearson.
Notes, additional materials	<i>The texts may be supplemented by additional material provided by the teacher (lecture slides, exercises).</i>
Repository	<i>The additional teaching material will be available at the end of each module on the teacher's web page or alternatively in another repository indicated at the beginning of the course.</i>

Assessment	
Assessment methods	<i>The exam includes a written test lasting 70 minutes and consists in the resolution</i>



	<p><i>of exercises and problems of psychodiagnostic assessment and analysis of data applied to psychological constructs and in particular to psychoforensic and neuropsychological disciplines, with relative interpretation of the results. The test will consist of six questions relating to exercises and problems to be solved, with a short comment/interpretation. The sufficiency is reached with the final vote of 18/30. Intermediate tests may be foreseen during the course (one in the middle of the course and one at the end of the course) and/or Guided Practical Exercises (EPG) on monographic topics. In the case of intermediate tests, the final evaluation will be composed of the simple arithmetic mean of the evaluations of each intermediate test. The materials useful for taking the test and permitted during it are: sheets of paper, pen, calculator, statistical tables, form provided by the teacher, laptop, data analysis software (MS Excel, R software, Jamovi). The use of manuals, slides, notes is not permitted. The test results will be communicated through publications on the teacher's website or alternatively in another repository indicated at the beginning of the course.</i></p>
Assessment criteria	<p>Knowledge and understanding: The student must have acquired knowledge and understanding of research designs and data analysis techniques used in forensic psychology and neuropsychology, with specific reference to the evaluation/diagnostic field.</p> <p>Applied knowledge and understanding: The student must have acquired the knowledge and ability to understand and apply the research designs and data analysis techniques most used in forensic psychology and neuropsychology with a professional approach, and adequate skills both to devise and support arguments and to solve problems in the aforementioned fields of study and application.</p> <p>Making judgments: The student must have acquired the ability to collect, analyze and critically interpret data relating to psychological variables; ability to formulate critical and autonomous judgments, including the ability to reflect on scientific or ethical issues connected with psychology disciplines.</p> <p>Communication skills: The student must have acquired the ability to communicate information, results, ideas, problems and solutions to specialist and non-specialist interlocutors.</p> <p>Ability to learn: The student must have acquired the learning and self-training skills necessary to undertake further studies with a high degree of autonomy, as well as professional activities with a high intellectual content.</p>
Final exam and grading criteria	<p><i>The final mark is given out of thirty. The exam is considered passed when the final grade is greater than or equal to 18/30. In the presence of intermediate tests, the final mark is given by the simple arithmetic average of the marks of each intermediate test, always expressed in thirtieths. The score attributed to the exercises/problems to be solved may vary between 18 and 24, while that attributed to the answers closed with a short comment or open with a short answer may vary between 6 and 12. There are no additions to the oral exam. In the case of intermediate tests, failure to pass an intermediate test does not preclude the possibility of participating in the subsequent ones. In case of failure, the intermediate tests can be repeated only once, on the dates set by the teacher.</i></p>
Further information	

Bari, 29/06/2023

Alessandro Oronzo Caffò