

## Scienze e tecniche psicologiche

General information	
Academic subject	Testing: Theory and practice
Degree course	Scienze e tecniche psicologiche (Psychological sciences and technics)
Academic Year	II
European Credit Transfer and Accumulation System(ECTS)	9
Language	Italian
Academic calendar (starting and ending date)	October 22- January 23
Attendance	

Professor/ Lecturer	
Name and Surname	Andrea BOSCO
E-mail	<a href="mailto:Andrea.bosco@uniba.it">Andrea.bosco@uniba.it</a>
Telephone	0805714713
Department and address	Bari, Palazzo Chiaia Napolitano (IV floor, room 415)
Virtual headquarters	Teams code: glx7rpc
Tutoring (time and day)	Wednesday, 12.00 a.m. (On-line Teams code: 8743pwy)

Syllabus	
<b>Learning Objectives</b>	The first level of training in psychology is typically devoted to the orientation of the students on psychological theories and techniques, it must provide basic training on the dimensions object of psychological practice and a basis for research in the psychological field with particular reference to the use of tests with extensive reference to the most recent computerized testing techniques. The objectives are the mastery of the interpretation of the indices provided by the tests, the ability to select tests, a primer in the selection of items for the construction of a test.
<b>Course prerequisites</b>	The prerequisites are not formalized. In understanding the topics, students will benefit from having attended an introductory statistics course and the simultaneous attendance of lectures on psychometrics
<b>Contents</b>	Part of the theory A) Applications in psychological practice of Psychometrics and Test Theory and Techniques B) Validity of content. The initial stages of building a psychological test C) Item analysis: an introduction D) The reliability of the tests E) Measurement error. Standard error of measurement and applications F) Other forms of test validity Part of practice G) The interview to support testing H) Assessment of normal personality I) Assessment of intelligence J) Other specific areas of assessment through tests: Vocational and avocational attitudes Monographic part K) what are our responses influenced by?:social desirability
<b>Books and bibliography</b>	The study involves the use of slides and materials provided by the teacher

	<p>and a constant exercise activity to be carried out on the IT platforms (mainly google modules, Socrative) from time to time indicated by the teacher</p> <p>Text for the exercises (common with the lectures in psychometrics) Areni, A., Scalisi, T.G., Bosco, A., Caffò, A.O. (2020). Esercitazioni di psicometria - Problemi ed esercizi svolti e commentati. Edra – Masson</p> <p>texts for in-depth study (optional) Cipresso, P. (2014). Elementi di Psicometria Computazionale. ISBN: 978-1-291-72944-3 (acquistabile come e-book). Capp. I, IV, V, VI, VII</p> <p>Pedrabissi, L., &amp; Santinello, M. (2008). I test psicologici: teorie e tecniche. Il mulino.</p> <p>Barbaranelli, C., Natali, E. (2005). I test psicologici: Teorie e Modelli Psicometrici. Carocci: Roma.</p> <p>Zammuner, V.L. (1998). Tecniche dell'intervista e del questionario. Il Mulino: Bologna</p> <p>Bosco, A. (2003). Come si costruisce un questionario. Carocci: Roma.</p> <p>Erasmus students: Kline, P. (2000). A psychometrics primer. Free Assn</p>
<b>Additional materials</b>	

Work schedule			
Total	Lectures Hands on (Laboratory, working groups, seminars)		Out-of-class studyhours/ Self- study hours
<b>Hours</b>			
225	60 DID		165
<b>ECTS</b>			
9			
<b>Teaching strategy</b>		Mixed, DID	
<b>Expected learning outcomes</b>			
<b>Knowledge and understanding on:</b>		<ul style="list-style-type: none"> <li>○ Knowledge and understanding</li> <li>○ Lectures are devoted to an introduction to test theory and techniques, to a brief overview of the interview and assessment theory. At the end of the teaching activities, students will have adequate knowledge of the classical theory of error, will be able to assess the reliability of a test and its validity in the various forms provided. You will be able to read the results of a personality, intelligence and attitude test through the specific indexes. You will also be able to select items for a new test and thus contribute to the construction of psychological tests</li> </ul>	
<b>Applying knowledge and understanding on:</b>		<ul style="list-style-type: none"> <li>○ Applied knowledge and understanding</li> <li>○ Lectures are devoted to an introduction to the use and construction of tests and questionnaires in psychology, with particular regard to the advantages and limitations of the different areas of application: general cognitive resources (intelligence), personalities in the various fields of application and others areas of evaluation such as vocational and avocational attitudes</li> </ul>	
<b>Soft skills</b>		<ul style="list-style-type: none"> <li>• <i>Making informed judgments and choices</i> <ul style="list-style-type: none"> <li>○ The course is devoted to informing students about the risks of using tests and questionnaires, developing a critical thinking on such use, the ability to judge their effectiveness, validity, reliability</li> <li>○ <i>Communication skills</i></li> <li>○ The course is dedicated to informing about communication techniques through scientific articles, technical reports and computerized presentations</li> </ul> </li> </ul>	

- |  |   |
|--|---|
|  | <ul style="list-style-type: none"><li>○ <i>Ability to learn</i></li><li>○ The course is dedicated to preparing students for higher level training in psychology</li></ul> |
|--|---|

Assessment and feedback	
Methods of assessment	
Evaluation criteria	<ul style="list-style-type: none"> <li>• <i>Knowledge and understanding:</i></li> <li>• <i>knowing how to calculate and interpret a reliability coefficient</i></li> <li>• <i>knowing how to calculate and interpret a content validity index</i></li> <li>• <i>knowing how to calculate and interpret a standard error of the person-specific measure</i></li> <li>• <i>knowing how to calculate and interpret a difference between scores based on the standard error of the difference</i></li> <li>• <i>Knowing how to recognize a way to verify the validity of a test</i></li> <li>• <i>Applied knowledge and understanding:</i></li> <li>• <i>Knowing how to assess, calculate and interpret indices of personality tests</i></li> <li>• <i>Knowing how to assess, calculate and interpret intelligence test indices</i></li> <li>• <i>Knowing how to assess, calculate and interpret indexes of attitude tests (vocational and avocational)</i></li> <li>• <i>Autonomy of judgment:</i></li> <li>• <i>Knowing how to choose a test on the basis of its reliability and validity indices</i></li> <li>• <i>Communication skills:</i></li> <li>• <i>Knowing how to adopt the appropriate strategies for communicating the results of a test to the interested party or to the scientific community</i></li> <li>• <i>Ability to learn:</i></li> <li>• <i>Know the databases that provide information on the tests in use</i></li> <li>• <i>Autonomy of judgment</i></li> <li>• <i>The course is dedicated to informing students about the risks of using tests and questionnaires, developing critical thinking on such use, the ability to judge their effectiveness, validity, reliability</i></li> <li>• <i>Communication skills</i></li> <li>• <i>The course is dedicated to informing about communication techniques through scientific articles, technical reports and computerized presentations</i></li> <li>• <i>Ability to learn</i></li> <li>• <i>The course is dedicated to preparing student for higher level training in psychology</i></li> </ul>
Criteria for assessment and attribution of the final mark	<p>The exam is written. Questions will be proposed (usually 5 items, for three points each), two-point simplified calculations questions (usually 5 questions with calculations) and one-point theoretical questions (usually 5 theoretical questions), on all topics subject of lectures, for a total of 30 points. It will be possible to obtain bonus from carrying out some supervised training experiences that will be planned and communicated in advance during the attendance of the lectures.</p>
Additional information	