

1. BASIC INFORMATION

Course	Psychometrics
Degree program	Bachelor's Degree in Psychology
School	Faculty of Health Sciences
Year	2
ECTS	6
Credit type	Basic
Language(s)	Spanish / English
Delivery mode	Face-to-face/ Virtual
Semester	1
Academic year	2025-2026
Coordinating professor	Marc Carrasco Reig

2. PRESENTATION

Psychometrics is a year 2 compulsory module of the BSc in Psychology. It involves 60 hours of theory and practice sessions delivered in the first semester.

The goal of this module is to learn relevant aspects of measurement instruments used in Psychology: assessment theories, basic methods of instrument development and the quality evaluation of these measurements.

3. LEARNING OUTCOMES

Knowledge

KNO07. Know different methods of psychological assessment, diagnosis and treatment.

KNO08. Know different research designs, the procedures for formulating and testing hypotheses and for interpreting results, and be able to apply them.

Competences

CP03. Be capable of describing and measuring variables (personality, intelligence and other aptitudes, attitudes, etc.) and cognitive, emotional, psychobiological and behavioural processes.

CP10. Be able to select and building indicators and measuring techniques to assess course syllabuses and interventions.

CP11. Be able to measure and obtain relevant data for assessing interventions.

CP12. Know how to analyse and interpret the results of an assessment.

CDC01. Create new ideas and concepts from known ideas and concepts, reaching conclusions or solving problems, challenges and situations in an original way in the academic and professional environment.

CDC05. Cooperate with others in academic and professional shared goals, participating actively, empathically and exercising active listening and respect to all members.

CDC06. Integrate analysis with critical thinking in a process of evaluating different ideas or professional possibilities and their potential for error, based on evidence and objective data leading to effective and valid decision-making.

CDC08. Show ethical behavior and social commitment in performance of professional activities, as well as sensitivity to inequality and diversity.

LEARNING OUTCOMES

When students finish the subject, they will have knowledge of:

- How psychometric instruments are analysed and evaluated.
- The process of constructing psychometric instruments. How to create and analyse them, as well as their validation and assessment.
- Test adaptation.
- What psychometric instruments are and how they are used properly: Selection, administration, interpreting and report writing.

4. CONTENT

- Introduction to Psychometrics.
- Introduction to measurement in Psychology.
- Fundamentals of psychological assessment systems: Escalation.
- Test construction.
- Reliability and Validity.
- Item Response Theory.
- Test manuals.

5. TEACHING-LEARNING METHODOLOGIES

The types of teaching-learning methodologies used are indicated below:

- Case method
- Student oral presentations
- Problem-based learning
- Lectures
- Use of computer programs

6. LEARNING ACTIVITIES

Listed below are the types of learning activities and the number of hours the student will spend on each one:

Campus-based mode:

Learning activity	Number of hours
Case analysis	20
Debates	10
Formative evaluation (knowledge tests and lecturer feedback)	5
Research	20
Lectures	40
Problem solving	5
Autonomous work	50
TOTAL	150

Virtual mode:

Learning activity	Number of hours
Debates and discussions via virtual seminar	10
Webinar	40
Case analysis	20
Problem solving	10
Formative evaluation (knowledge tests and lecturer feedback) via webconference	5
Research (scientific/case studies) and Projects	10
Autonomous work	50
TOTAL	150

7. ASSESSMENT

Listed below are the assessment systems used and the weight each one carries towards the final course grade:

Campus-based mode:

Assessment system	Weight
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Face-to-face Knowledge test	60%
Case analysis and problem solving	10%
Reports and written work	30%

Virtual mode:

Assessment system	Weight
Virtual Knowledge test	60%
Case analysis and problem solving	10%
Reports and written work	30%

When you access the course on the *Campus Virtual*, you'll find a description of the assessment activities you have to complete, as well as the delivery deadline and assessment procedure for each one.

7.1. Ordinary call period

Campus-based mode:

To pass the course in the Ordinary call period you must obtain a grade greater than or equal to 5.0 out of 10.0 in each of the assessment systems of the course.

If cases of plagiarism are detected in any of the activities delivered, the grade will be **0** and this activity will be suspended during the Ordinary call period. **Late delivery of activities is not allowed either (it will be evaluated with a "0"), except in duly justified cases.** These activities must be recovered in Extraordinary call period, applying rules of the assessment period.

Finally, to pass the course in the Ordinary Exam period, **a minimum of 50% of class attendance is required. Absence excuses do not imply the elimination of such absences in any case.**

The European University of Valencia establishes the continuous assessment as a system of evaluation of knowledge, Skills and basic, general, cross-disciplinary and specific Competencies of the qualification of "Bachelor's Degree in Psychology", in accordance with the provisions of the Regulations for the evaluation of Bachelor's Degrees. In this regard and for the purposes of the consumption of calls the student must be aware that, if he/she presents any assessment system provided in the Learning Guide, in the Ordinary Exam period the student will have a global grade of the course, thus consuming call for entries.

Virtual mode:

To pass the Subject in Ordinary call period you must obtain a grade greater than or equal to 5.0 out of 10.0 in the final grade (weighted average) of the course.

In any case, it will be necessary to obtain a grade greater than or equal to 5.0 in the final test, so that it can be averaged with the rest of the activities.

If cases of plagiarism are detected in any of the activities submitted, the grade will be **0** and this activity will be suspended during the Ordinary call period. **Late delivery of activities is not allowed either (it will**

be evaluated with a "0"), except in duly justified cases. These activities must be recovered in Extraordinary call period, applying the same rules in that call for entries.

The European University of Valencia establishes the continuous assessment as a system of evaluation of knowledge, Skills and basic, general, cross-disciplinary and specific Competencies of the qualification of "Bachelor's Degree in Psychology", in accordance with the provisions of the Regulations for the evaluation of Bachelor's Degrees. In this regard, and for the purposes of the consumption of entries, the student must be aware that, if he/she presents any assessment system provided in the Learning Guide, in the Ordinary call period the student will have an overall grade for the course, thus consuming a call for entries.

7.2. Extraordinary call period

Campus-based mode:

To pass the course during the Extraordinary call period you must obtain a grade higher than or equal to 5.0 out of 10.0 in each of the Assessment systems of the course.

Activities not passed in the Ordinary call period must be handed in, after having received the corresponding corrections from the teacher, or those that were not handed in.

The European University of Valencia establishes the continuous assessment as a system of evaluation of knowledge, Skills and basic, general, cross-disciplinary and specific Competencies of the qualification of "Bachelor's Degree in Psychology", in accordance with the provisions of the Regulations for the evaluation of Bachelor's Degrees. In this regard and for the purposes of the consumption of calls the student must be aware that in the Extraordinary call period will be the Objective Test of Knowledge (POC) which determines whether or not consumes call for entries and in the exceptional case that only has pending to overcome assessment system/s other than the POC, it will be considered NP if it does not present it/s and will obtain numerical grade if it presents at least one of them.

Virtual mode:

To pass the Subject in Extraordinary call period you must obtain a grade greater than or equal to 5.0 out of 10.0 in the final grade (weighted average) of the course.

In any case, it will be necessary to obtain a grade greater than or equal to 5.0 in the final test, so that it can be averaged with the rest of the activities.

Activities not passed in the Ordinary call period must be handed in, after having received the corresponding corrections from the teacher, or those that were not handed in.

The European University of Valencia establishes the continuous assessment as a system of evaluation of knowledge, Skills and basic, general, cross-disciplinary and specific Competencies of the qualification of "Bachelor's Degree in Psychology", in accordance with the provisions of the Regulation of evaluation of the Bachelor's Degrees. In this regard and for the purposes of the consumption of entries the student must be aware that in the Extraordinary exam period will be the Objective Test of Knowledge (POC) which determines whether or not consumes call for entries and in the exceptional case that only has pending to overcome assessment system/s other than the POC, will be considered NP if not presented and will obtain a numerical grade if you present at least one of them.

8. SCHEDULE

This table shows the delivery deadline for each assessable activity in the course:

Campus-based mode:

Assessable activities	Deadline
Face-to-face Knowledge test	January 2026
Case analysis and problem solving	Second week of October
Reports and written work	Second week of December

Virtual mode:

Assessable activities	Deadline
Virtual Knowledge test	February 2026
Case analysis and problem solving	Second week of November
Reports and written work	Second and third weeks of January

This schedule may be subject to changes for logistical reasons relating to the activities. The student will be notified of any change as and when appropriate.

9. BIBLIOGRAPHY

The main reference work for this subject are:

Spanish:

- Abad, F. J., Olea, J., Ponsoda, V., y García, C. (2011). *Medición en ciencias sociales y de la Salud*. Madrid: Síntesis, S.A.
- Barbero García, M^a I. (Coordinadora); Vila Abade E. y Holgado Tello, F. P. (2015): *Psicometría*. UNED. Madrid: Sanz y Torres.
- Muñiz, J. (2018). *Introducción a la psicometría: Teoría clásica y TRI*. Madrid: Pirámide.

English:

- Coolican, H. (2013). *Research methods and statistics in psychology*. Routledge.

The recommended Bibliography are:

- Martínez Arias, R., Hernández, M. J. y Hernández, M. V. (2006). *Psicometría*. Barcelona: Alianza Editorial.
- Andy Field's 'Statistics Hell': www.statisticshell.com
- Khan Academy: <http://www.khanacademy.org/math/probability>

10. EDUCATIONAL GUIDANCE, DIVERSITY AND INCLUSION UNIT

From the Educational Guidance, Diversity and Inclusion Unit we offer support to our students throughout their university life to help them reach their academic achievements. Other main actions are the students inclusions with specific educational needs, universal accessibility on the different campuses of the university and equal opportunities.

From this unit we offer to our students:

1. Accompaniment and follow-up by means of counselling and personalized plans for students who need to improve their academic performance.
2. In terms of attention to diversity, non-significant curricular adjustments are made in terms of methodology and assessment for those students with specific educational needs, pursuing an equal opportunities for all students.
3. We offer students different extracurricular resources to develop different competences that will encourage their personal and professional development.
4. Vocational guidance through the provision of tools and counselling to students with vocational doubts or who believe they have made a mistake in their choice of degree.

Students in need of educational support can write to us at:

orientacioneducativa.uev@universidadeuropea.es

11. ONLINE SURVEYS

Your opinion matters!

The Universidad Europea encourages you to participate in several surveys which help identify the strengths and areas we need to improve regarding professors, degree programs and the teaching-learning process.

The surveys will be made available in the "surveys" section in virtual campus or via e-mail.

Your assessment is necessary for us to improve.

Thank you very much for your participation.