

Psychometrics

Total number of ECTS credits		6
Type		Compulsory
Temporal organisation		Year 2; Semester 3
Modality		Face-to-face
Language		English
Contents	• Introduction to the foundations of measurement in psychology • Operationalisation of psychological concepts, dimensions and variables • Linear models: classical test theory and extensions • Latent trait models: item response theory • Principles of validity and reliability of psychological measurements • Test construction • Test validation	
DEGREE learning outcomes	Knowledge and content	CC1 Know the theoretical statistical foundations applied to psychology. CC3 Use psychometric procedures to develop and manage measurement instruments.
	Skills and abilities	HD1 Use assessment instruments appropriate to psychological, emotional, cognitive and behavioural characteristics.
	Competences	CP1 Apply statistical knowledge and methods to the study of variables and programmes in the field of behavioural sciences.
SUBJECT learning outcomes • Know the foundations of the process of developing psychological measurement instruments. • Identify the evidence needed to support the interpretation of measurements and their validity. • Analyse the metric properties of test and questionnaire items.		

Face-to-face modality	Training activities		Total hours	
	Lectures		28	
	Seminars		4	
	Practical classes		26	
	Viewing and analysis of audiovisual content		6	
	Tutorials		12	
	Independent work		72	
	Final assessment test		2	
	Total		150	
	Assessment systems		MINIMUM	MAXIMUM
	Final assessment: face-to-face test or exam		50	50
	Problem solving		10	30
	Case studies - Projects		10	30
	Other continuous assessment activities		0	10
	Total		70	120