

Statistics II

Total number of ECTS credits		6
Type		Compulsory
Temporal organisation		Year 1; Semester 2
Modality		Face-to-face
Language		English
Contents	• Statistical hypothesis testing • Type I and Type II errors • Use of parametric and non-parametric tests • Calculation of effect size and power • Group comparison analysis: parametric and non-parametric tests • One-way analysis of variance, multiple comparisons, with independent observations, repeated measures and mixed model • Correlation and partial correlation analysis • Covariance, collinearity, partitioning of the sum of squares and contrasts • Predictive analyses: regression models	
DEGREE learning outcomes	Knowledge and content	CC1 Know the theoretical statistical foundations applied to psychology.
	Skills and abilities	HD1 Use assessment instruments appropriate to psychological, emotional, cognitive and behavioural characteristics. HD2 Communicate the results and conclusions obtained in psychology rigorously.
	Competences	CP3 Use different statistical programmes and information and communication technologies to analyse results that support decision-making within the context of behavioural sciences.
SUBJECT learning outcomes • Know the types of statistical errors. • Use different statistical tests. • Perform analysis of variance, correlation or prediction depending on the type of research.		

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

