



## ERASMUS+ INCOMING STUDENTS COURSE CATALOGUE

### Department of Psychology

General information		
Course instructor	Tamara Mohorić, Ph.D.	
Name of the course	Theory of Measurement	
Study programme	Undergraduate study programme in Psychology	
Status of the course	Compulsory	
Year of study	2 <sup>nd</sup>	
ECTS credits and manner of instruction	ECTS credits	3
	Number of class hours (Lectures + Exercises + Seminars)	30+30+0

#### 1. COURSE DESCRIPTION

##### 1.1. Course objectives

- The objective is to introduce students to basic modes and models: scaling traits, examinees' responses, and yielding the overall results of measurement. Descriptive parameters and the relations between linear combinations form the bases of more complex analyses.

##### 1.2. Course enrolment requirements and entry competences required for the course

- A successful completion of the following courses: *Research methods in psychology*, *The use of computers in psychology*, and *Psychological statistics*.

##### 1.3. Expected course learning outcomes

- By the end of the course, students will be able to:
  - explain the development and issues of measurement in science;
  - describe, as well as compare the scaling of stimuli with the scaling of people;
  - explain the features of the main measurement scales and the models of scaling;
  - explain basic mathematical operations, and terms used to present the overall results;
  - calculate basic terms and perform the operations in order to yield the overall result;
  - grasp more complex test theory methods and multivariate data processing techniques.

#### **1.4. Course content**

- Introduction - historical overview, measurement in science, the scaling of stimuli and the characteristics of people, the features of measurement scales, models of stimuli scaling, basic mathematical operations, and terms used to present the overall results yielded by psychological measuring instruments. Arithmetic means, variances and covariances of linear combinations, as well as their correlation with other variables.

#### **1.5. Manner of instruction**

- ✓ Lectures
- ✓ Exercises
- ✓ Individual assignments
- ✓ Other: consultations