



Universitat de Lleida

DEGREE CURRICULUM
**RESEARCH METHODS IN
PSYCHOLOGY**

Coordination: MARCH LLANES, JAUME

Academic year 2020-21

Subject's general information

Subject name	RESEARCH METHODS IN PSYCHOLOGY			
Code	102910			
Semester	1st Q(SEMESTER) CONTINUED EVALUATION			
Typology	Degree	Course	Character	Modality
	Bachelor's Degree in Psychology	1	COMPULSORY	Attendance-based
Course number of credits (ECTS)	6			
Type of activity, credits, and groups	Activity type	PRAULA		TEORIA
	Number of credits	1.8		4.2
	Number of groups	2		1
Coordination	MARCH LLANES, JAUME			
Department	PSICOLOGIA			
Important information on data processing	Consult this link for more information.			

Teaching staff	E-mail addresses	Credits taught by teacher	Office and hour of attention
MARCH LLANES, JAUME	jaume.march@udl.cat	7,8	

Learning objectives

Learning outcomes:

- Know how to differentiate the objectives of descriptive statistics and inferential statistics.
- Understand the sample distribution as a concept that allows you to relate a statistic and a parameter.
- Differentiate between estimation of time and interval parameters.
- Understand the different concepts related to the contrast of hypotheses. Hypothesis and statistical decision. Contrast statistic Types of errors in the decision. Power. Critical values and level of significance. Type of contrast
- Correctly put forward a hypothesis contrast for a proportion, an average, and a variance.
- Prepare and perform the relevant calculations for the study of the relationship between two categorical variables.
- To formulate and carry out the relevant calculations for the study of the relationship between an independent variable dichotomous and a quantitative dependent variable.
- To formulate and carry out the relevant calculations for the study of the relationship between an independent political variable and a quantitative dependent variable.
- Prepare and perform the relevant calculations for the study of the relationship between two quantitative variables.
- Properly plan a study with several independent variables, and perform the calculations applying the General Linear Model using a statistical package.
- Properly plan a study with several independent variables, and perform the calculations by applying Classification Trees.

Competences

Skills:

Basic skills

CB2 Apply their knowledge to their work or vocation in a professional way and possess the competencies that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study.

CB3 Ability to gather and interpret relevant data (usually within its area of study) to issue judgments that reflect on relevant issues of a social, scientific or ethical nature.

CB4 Power to convey information, ideas, problems and solutions to both specialized and non-specialized audiences.

General Competences

CG1 Develop the necessary professional skills, adapt to new situations and solve problems derived from the profession of psychologist.

CG2 Be able to work in multidisciplinary teams and collaborate efficiently with other professionals.

CG3 Show abilities for interpersonal relationships.

CG5 Demonstrate critical capacity to make relevant decisions.

CG6 Have critical capacity for making relevant decisions and making referrals to other professionals when appropriate.

CG7 Identify the needs and demands of the recipients and communicate adequately the results derived from the diagnosis carried out.

CG8 Develop and keep up to date the own competencies, abilities and knowledge according to the standards of the profession of psychologist.

CG10 Respect the fundamental rights of equality between men and women, the promotion of Human Rights and the values of a culture of peace and democratic values.

Specific Competences

CE1 Identify and analyze the characteristics and needs of people, groups and organizations, as well as relevant contexts for the requested service.

CE2 Plan the evaluation of psychological programs and / or interventions, selecting the appropriate indicators and techniques.

CE3 Apply the information gathering techniques, obtain relevant data for the evaluation of programs and / or psychological interventions.

CE6 Respond and act appropriately and professionally, taking into account the attitudes and values of the profession, as well as its ethical and ethical code, in each and every one of the intervention processes.

CE7 Provide information to users and establish an appropriate interpersonal relationship, taking into account the different contexts of professional relationship.

CE8 Prepare technical reports, oral and written, about the results of the process of evaluation, research or services demanded, respecting the ethical commitment that demands the dissemination of psychological knowledge.

CE9 Use the different documentary sources in psychology, show a mastery of the strategies necessary to access information and assess the need for documentary update.

CE10 Manage, analyze and interpret data in the frameworks of disciplinary knowledge typical of the different fields of psychology.

CE11 Making decisions critically about the choice, application and interpretation of the results derived from the different methods of psychological research.

CE12 Disseminate knowledge derived from the theoretical reviews and the results of psychological research.

Transversal Competences:

CT1 Acquire adequate oral and written comprehension and expression of Catalan and Spanish.

CT3 Acquire training in the use of new technologies and information and communication technologies.

CT5 Acquire essential notions of scientific thought.

Subject contents

1. Science and Psychology.
2. Evidence-based psychology.
3. Systematic review of scientific evidence. Theoretical framework.
4. Scientific method. Quantitative Approach vs. Qualitative.
5. Planning an investigation.

6. Experimental Methodology.
7. Selective methodology and Ex post facto.
8. Observational Methodology.
9. Techniques and resources for the collection and initial treatment of data from an investigation.
10. Visualization of data and quality control.

Methodology

- Master classes
- Practical classes
- Written works
- Problem-based learning (ABP)

Development plan

Training activities:

Formative activity	Target hours	Attendance
1 Classes whole group face to face	35	100%
2 Classes average classroom groups	15	100%
3 Individual / group tutorials	10	100%
6 Reading and analysis of texts	25	0%
7 Preparation of work / individual / group reports	30	30%
9 Recording group oral presentations	5	0%
14 Study and preparation of classes and evaluation tests	30	0%

Evaluation

Evaluation systems

ORDINARY:

Evaluation systems	% on Note	Type
Written test Methodology	25%	Test S16 / 17
Written test Designs.....	25%	Test S16 / 17
Practice test BDB	15%	Test computers S16 / 17
Practical activities	20%	Final delivery S13
Exposition (video) 1.....	15%	Delivery S13-15 (heading)

ALTERNATIVE:

Evaluation systems	% on Note	Type
Test type test	60%	Test S16 / 17

Practice test BDB	15%	Test computers S16 / 17
Work	25%	Delivery S15

Bibliography

Bibliografía básica:

Ato, M.; López, J.J.; Benavente, A. Un sistema de clasificación de los diseños de investigación en psicología. *Anales de Psicología*, vol. 29, núm. 3, octubre, 2013, pp. 1038-1059.
<http://dx.doi.org/10.6018/analesps.29.3.178511>

Portell Vidal, Mariona; Vives Brosa, Jaume. Introducció als dissenys experimentals, quasiexperimentals i ex post facto. (2014) Col·lecció i núm: Materials 229 ISBN (paper): 978-84-490-4284-3. PVP: 16 €; ISBN (ebook): 978-84-490-4850-0. PVP: 7,99 €. Format: pdf.

Bibliografía general:

Hernandez Samperi, R., Fernandez Collado, C; i Baptista Lucio, P. *METODOLOGÍA DE LA INVESTIGACIÓN* Quinta edición. Madrid: McGrawHill. 2010. ISBN: 978-607-15-0291-9

Fontes, S., García, C., Garriga, A. J. Perez-Llantada, M. C., y Sarriá, E. (2001). *Diseños de investigación en Psicología*. Madrid: UNED.

García Gallego C. [et al.] (2004). *Diseños de investigación en Psicología. Cuaderno de prácticas*. Madrid: Universidad Nacional de Educación a Distancia.

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