Information about the subject

Degree: Official Master's Degree in Education and Rehabilitation of Addictive Behaviours

Faculty: Faculty of Psychology

Code: 1750005 **Name:** Research Methodology and Applied Statistics to Health Sciences

Credits: 6,00 **ECTS Year:** 1 **Semester:** 2

Module: METHODOLOGY AND FUNDAMENTALS OF RESEARCH

Subject Matter: Methodology and fundamentals of the research. **Type:** Compulsory

Department:

Type of learning: Classroom-based learning

Languages in which it is taught: Spanish

Lecturer/-s:

CONDUC David Melero Fuentes **(Responsible Lecturer)** david.melero@ucv.es

Module organization

METHODOLOGY AND FUNDAMENTALS OF RESEARCH

Subject Matter	ECTS	Subject	ECTS	Year/semester
Methodology and fundamentals of the research.	6,00	Research Methodology and Applied Statistics to Health Sciences	6,00	1/2

Recommended knowledge

Research methodology and/or data analysis (Undergraduate).

Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

R1 The student is able to understand research methods and data analysis techniques.

R2 The student is able to describe and measure variables.

R3 The student is able to measure and obtain relevant data for the evaluation of interventions.

Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

BASIC		Weighting			
		1	2	3	4
CB9	The ability to communicate their findings and the ultimate knowledge and reasons behind them to specialized and non-specialized audiences in a clear and unambiguous manner.			x	
CB10	Having the learning skills that will allow them to continue studying in a largely self-directed or autonomous manner.		x		

GENERAL		Weighting			
		1	2	3	4
CG1	Information management skills.			x	
CG7	Oral and written communication skills.			x	
CG9	Organizational and planning skills.		x		
CG11	Analysis and synthesis skills.		x		
CG13	The ability to share and disseminate academic and professional knowledge.			x	

TRANSVERSAL		Weighting			
		1	2	3	4
CT1	Information management skills.			x	
CT3	The ability to update the knowledge and skills related to this framework of action.		x		
CT7	Oral and written communication skills.			x	

CT9	Organizational and planning skills.	x		
CT11	Analysis and synthesis skills.	x		
CT13	The ability to share and disseminate academic and professional knowledge.		x	

Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2, R3	15,00%	ATTENDANCE AND PARTICIPATION IN IN-PERSON SESSIONS
R1, R2, R3	35,00%	OBJECTIVE TESTS
R1, R2, R3	50,00%	THEORY-PRACTICE ACTIVITIES

Observations

CRITERIA TO AWARD THE MENTION OF DISTINCTION:
Better results from 9.5 in the final grade, and show levels of excellence in practical activities, as well as in attendance and active participation in class.
According to the general normative, only one Distinction may be granted to a student in a course of 20 students, not on the grounds of a fraction of 20, unless the number of students enrolled is under 20 in which case only one Distinction may be granted.
OTHER RELEVANT ASPECTS ABOUT ASSESSMENT:
In order to pass the course, the student must pass the different evaluation systems separately (attendance and active participation, theoretical-practical activities and objective tests).
The final or summative evaluation is carried out through a theoretical-practical activity test.
ETHICAL USE OF ARTIFICIAL INTELLIGENCE:
Citation and attribution criteria:
- All use of AI tools must be explicitly stated in the submitted document (for example, in a footnote or an appendix).
- The name of the tool, the purpose of use (e.g., grammar check, organization of ideas, writing sample), and the part of the work where it was used must be indicated.
- Responsible use of AI will be evaluated as part of the criteria for originality and academic honesty.
Students may use AI to:
- Answer questions about training activities.
- Assisted learning (alternative explanations or self-assessment exercises).
- Search for alternative resources and references for study.
Students may not use AI to:
- Record or transcribe, in whole or in part, any classroom activity to obtain summaries or notes created by AI.
- Present work generated by AI as their own.

- Provide the AI with statements, practices, or assessment tests to obtain automatic responses.

In accordance with the regulations governing the assessment and grading of subjects in force at UCV, the distinction of "Matrícula de Honor" (Honours with Distinction) may be awarded to students who have achieved a grade of 9.0 or higher. The number of "Matrículas de Honor" (Honours with Distinction) may not exceed five percent of the students enrolled in the group for the corresponding academic year, unless the number of enrolled students is fewer than 20, in which case a single "Matrícula de Honor" (Honours with Distinction) may be awarded.
Exceptionally, these distinctions may be assigned globally across different groups of the same subject. Nevertheless, the total number of distinctions awarded will be the same as if they were assigned by group, but they may be distributed among all students based on a common criterion, regardless of the group to which they belong. The criteria for awarding "Matrícula de Honor" (Honours with Distinction) will be determined according to the guidelines stipulated by the professor responsible for the course, as detailed in the "Observations" section of the evaluation system in the course guide.

Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

M1	Presentation of contents by the professor, analysis of competencies, explanation and demonstration of abilities, skills and knowledge in the classroom.
M6	Personalized attention and in small groups. Period of instruction and/or orientation carried out by a tutor with the objective of reviewing and discussing the materials and topics presented in the classes, seminars, readings, or completion of assignments, through the distance-learning platform.
M7	Set of oral and/or written tests used in the initial, formative or summative assessment of the student.

IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
IN-PERSON CLASS. M1, M7	R1, R2, R3	30,00	1,20
GROUP WORK PRESENTATIONS M6, M7	R1, R2, R3	12,00	0,48
INDIVIDUAL TUTORIALS M7	R1, R2, R3	18,00	0,72
TOTAL		**60,00**	**2,40**

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
INDIVIDUAL TASKS ON THE PLATFORM M6	R1, R2, R3	90,00	3,60
TOTAL		**90,00**	**3,60**

Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
Introduction to research on addictive behaviours	Fundamentals, research and innovation, the research process.
Scientific communication in addictive behaviours	Documentary sources, research report, style guide.
Research methods on addictive behaviours	Research designs and data analysis.

Temporary organization of learning:

Block of content	Number of sessions	Hours
Introduction to research on addictive behaviours	4,00	8,00
Scientific communication in addictive behaviours	6,00	12,00
Research methods on addictive behaviours	20,00	40,00

References

American Psychological Association (2020). *Publication Manual of the American Psychological Association (Spiral Bound)*. Washington: American Psychological Association.

Ballesteros, J., Torrens, M., y Valderrama, J. C. (eds.) (2006). Manual Introductorio a la Investigación en Drogodependencias. Valencia: Sociedad Española de Toxicomanías.

Bobes García, B., Casas Brugué, M. y Gutiérrez Fraile, M. (eds.) (2020). Manual de trastornos adictivos (3ª ed.).

Colado Megía, M.I., Farré Albaladejo, M., Leza Cerro, J.C., y Lizasoain Hernández, I. (2023). *Drogodependencias*. Editorial Médica Panamericana.

Oliván, J. A. S., & Cuenca, G. M. (2023). *Fundamentos de búsqueda y recuperación de la información en bases de datos*. Aula Magna Proyecto clave McGraw Hill.