Information about the subject

Degree: Bachelor of Science Degree in Psychology

Faculty: Faculty of Psychology

Code: 290402 **Name:** Research Methodology

Credits: 6,00 **ECTS Year:** 4 **Semester:** 1

Module: RESEARCH FUNDAMENTALS AND METHODOLOGY

Subject Matter: RESEARCH METHODS, DESIGNS AND TECHNIQUES **Type:** Compulsory

Field of knowledge: Health Sciences

Department: Personality Psychology, Treatments, and Methodology

Type of learning: Classroom-based learning / Online

Languages in which it is taught: Spanish

Lecturer/-s:

1173P	David Melero Fuentes **(Responsible Lecturer)**	david.melero@ucv.es
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294B	David Melero Fuentes **(Responsible Lecturer)**	david.melero@ucv.es
294C	Roberta Diamanti **(Responsible Lecturer)**	roberta.diamanti@ucv.es

Module organization

RESEARCH FUNDAMENTALS AND METHODOLOGY

Subject Matter	ECTS	Subject	ECTS	Year/semester
STATISTICS	12,00	Fundamentals and Analysis of Data	6,00	1/1
		Psychometrics	6,00	2/1
RESEARCH METHODS, DESIGNS AND TECHNIQUES	6,00	Research Methodology	6,00	4/1
MODERN LANGUAGE	6,00	Scientific English	6,00	1/1

Recommended knowledge

Fundamentals and Analysis of Data course.

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 Acquiring a correct mental representation of the theoretical-practical contents of the module.

R2 Working in groups in order to carry out different practical activities.

R3 Obtaining and organizing information from different sources (journals, books, Internet).

R4 Communicating the results and conclusions of a research study.

R5 Solving practical exercises related to the contents of the module.

R6 Using specific software for the resolution of problems related to the contents of the module.

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):

SPECIFIC		Weighting			
		1	2	3	4
CE1	Analyzing needs and requests of addressee functions in different contexts.			x	
CE4	Analyzing and measuring variables (personality, intelligence and other aptitudes) and cognitive, emotional, psychobiological and behavioral processes .			x	
CE14	Contrasting and checking tools, products and services (prototypes and pilot studies).			x	
CE15	Defining objectives and devising action plans according to action goals. (prevention, treatment, rehabilitation, insertion, support).			x	
CE25	To be able to measure and to collect relevant data for the evaluation of the interventions				x
CE26	Writing oral and written reports.				x
CE27	Knowing and adapting to the psychology code of ethics.				x
CE35	To know research methods and data analysis techniques.				x
CE36	To know different research design methods, the procedures of formulation and contrast of hypothesis and the interpretation of the results.				x

TRANSVERSAL		Weighting			
		1	2	3	4
CT1	Capacity to analyze and synthesize.				x
CT4	Command of a foreign language.		x		

CT5	Knowing and applying Basic ITC skills related to Psychology.	x		
CT7	Problem solving.		x	
CT14	Critical capacity.			x
CT15	Ethics.			x

Assessment system for the acquisition of competencies and grading system

In-class teaching

Assessed learning outcomes	Granted percentage	Assessment method
R1, R3, R4, R5, R6	60,00%	Oral and/or written tests employed in initial, training and/or summative student assessment.
R1, R2	0,00%	Attendance and active participation: lessons, group assignments and tutoring sessions. It will be monitored and registered by the teacher.
R1, R2	40,00%	Group assignments.

Observations

CRITERIA TO AWARD THE MENTION OF DISTINCTION: Better results from 9.5 in the final grade, and show levels of excellence in all competencies and learning outcomes.
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.
TYPES OF EVALUATION:
There are two types of evaluation: ordinary evaluation (with a minimum attendance of 40%) and an alternative single evaluation.
The single evaluation is an exceptional evaluation for students who, for accredited and justified reasons, cannot meet the minimum attendance criteria. This option must be requested by the student to the course instructor in writing.
Ordinary evaluation system: 60% Objective test; 40% Group work. To pass the course, the student must pass the different evaluation sections separately.
Single alternative assessment system: 50% theoretical written exam; 50% practical written exam. To pass the course, the student must pass both assessment tests separately.
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 assessed as part of the criteria for originality and academic honesty.
Students may use AI for:
- Translation of texts into another language or improvement of writing and presentation of written

documents.
- Searching for alternative resources and references for study.
- Any other activity agreed upon with the faculty.

Students may not use the AI to:

- Record or transcribe, in whole or in part, any classroom activity in order to obtain summaries or notes created by the AI.
- Present work generated by the AI as their own.
- Provide the AI with statements, exercises, or assessment tests to obtain automated responses.

Online teaching

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2, R3, R6	70,00%	Final evaluation consisting of essay questions and hypothetical scenarios.
R4, R5, R6	5,00%	Submitted tasks
R3, R5	5,00%	Periodical assessment through questionnaires
R2, R3, R4, R6	20,00%	Attendance and participation in synchronic communication activities.

Observations

CRITERIA TO AWARD THE MENTION OF DISTINCTION:

Better results from 9.5 in the final grade, and show levels of excellence in Final Evaluation, Deliverable Activities, Periodic Evaluations, as well as Attendance and participation in the activities.

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 (Final Evaluation, Deliverable Activities, Periodic Evaluations, as well as Attendance and participation in the activities).

The final or summative evaluation is carried out through a written 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.
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- Record or transcribe, in whole or in part, any classroom activity in order to obtain summaries or notes created by the AI.
- Present work generated by the AI as their own.
- Provide the AI with statements, exercises, or assessment tests to obtain automated 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	Teacher presentation of contents, competency analysis, explanation and demonstration of capacities, abilities and knowledge in the classroom (presential modality).
M2	Teacher-supervised groupwork sessions: case studies, diagnostic tests, problems, fieldwork, IT room, visits, data searches, libraries, web, Internet, etc. Building knowledge significantly through interaction and student activities (presential modality).
M3	Supervised monographic sessions with shared participation.
M4	Application of interdisciplinary knowledge.
M7	Set of oral and/or written tests employed in initial, training or summative assessment of the student.

M8 Group preparation of readings, essays, problem resolution, seminars, assignments, reports, etc. to be presented or handed in during theory lessons, practical lessons and/or tutoring sessions in small groups. Tasks done on the platform or other virtual spaces.

M9 Students' independent study: individual preparation of readings, essays, problem resolution, seminars, assignments, reports, etc. to be presented or handed in during theory lessons, practical lessons and /or small-group tutoring sessions. Tasks on the platform or other virtual spaces.

M11 Teacher presentation of contents, competencies analysis, explanation and demonstration of capacities, abilities and knowledge on the virtual classroom.

M12 Group work sessions via chat moderated by the teacher. Case studies –both real and fictional– aimed at building knowledge through interaction and students' activities. Critical analysis of values and social commitment.

M13 Monographic sessions throughout the course, focused on current aspects and applications of the subject.

M14 Set of oral and/or written tests employed in initial, training or summative assessment of the student.

M15 Student's individual study: individual preparation of readings, essays, problem resolution, seminars, assignments, reports, etc. to be discussed or turned in in electronic format.

M16 Individualized attention for the monitoring and orientation in the learning process, performed by a tutor in order to revise and discuss the materials and topics, seminars, readings and assignments, etc.

M17 Group preparation of readings, essays, problem resolution, seminars, assignments, reports, etc. to be discussed or handed in.

M18 Participation and contributions to discussion forums related to the subject and moderated by the module's teacher.

M19 Problem resolution, comments, reports to be handed in according to the deadlines throughout the course.

IN-CLASS LEARNING

IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
ON-CAMPUS CLASS Teacher presentation of contents, analysis of competences, explanation and in-class display of skills, abilities and knowledge. M1, M7	R1, R4, R5, R6	38,00	1,52
PRACTICAL CLASSES Group work sessions supervised by the professor. Case studies, diagnostic tests, problems, field work, computer room, visits, data search, libraries, on-line, Internet, etc. Meaningful construction of knowledge through interaction and student activity. M2, M3, M4	R2, R6	14,90	0,60
SEMINAR Supervised monographic sessions with shared participation. M4	R1	1,40	0,06
GROUP WORK EXHIBITION Application of multidisciplinary knowledge. M2, M8	R1, R2, R3, R4, R5, R6	1,60	0,06
OFFICE ASSISTANCE Personalized and small group attention. Period of instruction and/or orientation carried out by a tutor to review and discuss materials and topics presented in classes, seminars, papers, etc. M8	R1, R6	1,60	0,06
ASSESSMENT Set of oral and/or written tests used in initial, formative or additive assessment of the student. M1, M7	R1, R5, R6	2,50	0,10
TOTAL		**60,00**	**2,40**

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
GROUP WORK Group preparation of readings, essays, problem solving, seminars, papers, reports, etc. to be presented or submitted in theoretical lectures, practical and/or small-group tutoring sessions. Work done on the university e-learning platform M3	R1, R3, R6	33,50	1,34
INDEPENDENT WORK Student study: Individual preparation of readings, essays, problem solving, seminars, papers, reports, etc. to be presented or submitted in theoretical lectures, practical and/or small-group tutoring sessions. Work done on the university e-learning platform. M2, M7	R5, R6	56,50	2,26
TOTAL		**90,00**	**3,60**

ON-LINE LEARNING

SYNCHRONOUS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Virtual session (distance learning) M11, M13, M14, M19	R1, R3, R5, R6	38,00	1,52
Virtual practical session (distance learning) M12, M13, M16, M17, M18	R2, R3, R5, R6	14,90	0,60
Seminar and virtual videoconference (distance learning) M13, M18	R1, R2	1,40	0,06
In-person or virtual assessment (distance learning) M11, M15	R1, R2, R4, R5	2,50	0,10
Individual tutoring sessions (distance learning) M16, M17	R1, R5, R6	1,60	0,06
Discussion forums (distance learning) M11, M12, M13	R1, R2	0,80	0,03
Continuous assessment activities (distance learning) M14, M17	R1, R2, R6	0,80	0,03
TOTAL		**60,00**	**2,40**

ASYNCHRONOUS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Individual work activities (distance learning) M17	R2, R3, R6	56,50	2,26
Teamwork (distance learning) M11, M14	R5, R6	33,50	1,34
TOTAL		**90,00**	**3,60**

Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
Scientific research	Fundamentals of research Reseach process
Scientific communication	APA style Sources of information Search of scientific information
Research methodologies	Research Designs Data analysis

Temporary organization of learning:

Block of content	Number of sessions	Hours
Scientific research	4,00	8,00
Scientific communication	6,00	12,00
Research methodologies	20,00	40,00

References

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

Ato, M. y Vallejo, G. (2015). *Diseños de Investigación en Psicología*. Madrid: Pirámide.

Hammond, S., Fife-Schaw, C., & Breakwell, G. M. (Eds.). (2006). *Research methods in psychology*. Sage.

Howitt, D., & Cramer, D. (2020). *Understanding statistics in psychology with SPSS*. Pearson.

Somoza Fernandez, M. (2015). *Búsqueda y recuperación de información en bases de datos de bibliografía científica*. Gijón: Trea.