



## 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:

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## 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	75,00%	Oral and/or written tests employed in initial, training and/or summative student assessment.
R1, R2	5,00%	Attendance and active participation: lessons, group assignments and tutoring sessions. It will be monitored and registered by the teacher.
R1, R2	20,00%	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 Oral and/or written Tests used in the initial, formative and/or summative evaluation, Group work, as well as Attendance and active participation.

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 (Oral and/or written Tests used in the initial, formative and/or summative evaluation, Group work, as well as Attendance and active participation).

The final or summative evaluation is carried out through a written test.

### 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.

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
<b>ON-CAMPUS CLASS</b> 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
<b>PRACTICAL CLASSES</b> 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
<b>SEMINAR</b> Supervised monographic sessions with shared participation. M4	R1	1,40	0,06
<b>GROUP WORK EXHIBITION</b> Application of multidisciplinary knowledge. M2, M8	R1, R2, R3, R4, R5, R6	1,60	0,06
<b>OFFICE ASSISTANCE</b> 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
<b>ASSESSMENT</b> 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
<b>TOTAL</b>		<b>60,00</b>	<b>2,40</b>



## LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
<b>GROUP WORK</b> 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
<b>INDEPENDENT WORK</b> 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
<b>TOTAL</b>		<b>90,00</b>	<b>3,60</b>



## 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
<b>TOTAL</b>		<b>60,00</b>	<b>2,40</b>

### 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
<b>TOTAL</b>		<b>90,00</b>	<b>3,60</b>



## Description of the contents

Description of the necessary contents to acquire the learning outcomes.

### Theoretical contents:

Content block	Contents
Scientific research	Fundamentals of research Research 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.