



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: -

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

Not required



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	
CE5 Identifying differences, problems and needs.				X
CE15 Defining objectives and devising action plans according to action goals. (prevention, treatment, rehabilitation, insertion, support).			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
CT14 Critical capacity.			X	
CT25 Self-criticism ability: being able to critically assess one's performance.			X	
CT36 Being able to collect information using different kinds of sources.			X	



Assessment system for the acquisition of competencies and grading system

In-class teaching

Assessed learning outcomes	Granted percentage	Assessment method
R1	70,00%	Oral and/or written tests employed in initial, training and/or summative student assessment.
R3, R4, R5, R6	10,00%	Attendance and active participation: lessons, group assignments and tutoring sessions. It will be monitored and registered by the teacher.
R2	20,00%	Group assignments.

Observations

Students must have a minimum mark (50% of the total) on the written test and the group work so that it can be accumulate to the final grade.

MENTION OF DISTINCTION: Those who obtain a higher note 9.5 are eligible for a screening test for obtaining honors. Obtaining this mention will depend on the mark obtained in the screening test and the maximum number of distinctions that may be awarded.

Online teaching

Assessed learning outcomes	Granted percentage	Assessment method
R1	70,00%	Final evaluation consisting of essay questions and hypothetical scenarios.
	0,00%	Submitted tasks
	0,00%	Periodical assessment through questionnaires
R2, R3, R4, R5, R6	30,00%	Attendance and participation in synchronic communication activities.

Observations

Students must have a minimum mark (50% of the total) on the written test and the group work so that it can be accumulate to the final grade.

MENTION OF DISTINCTION: Those who obtain a higher note 9.5 are eligible for a screening test for obtaining honors. Obtaining this mention will depend on the mark obtained in the screening test



and the maximum number of distinctions that may be awarded.

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, M2	R1, R3, R5	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, M4	R2, R3, R5, R6	14,90	0,60
SEMINAR Supervised monographic sessions with shared participation. M3, M13	R1, R2, R3, R5, R6	1,40	0,06
GROUP WORK EXHIBITION Application of multidisciplinary knowledge. M7, M14	R4	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. M16	R1	1,60	0,06
ASSESSMENT Set of oral and/or written tests used in initial, formative or additive assessment of the student. M7, M14	R1, R5	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 M17	R2, R3, R4, R5, 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. M15, M19	R1, R3, R5	56,50	2,26
TOTAL		90,00	3,60



ON-LINE LEARNING

SYNCHRONOUS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Virtual session (distance learning) M11	R1, R3, R5	38,00	1,52
Virtual practical session (distance learning) M8, M12, M17	R2, R3, R5, R6	14,90	0,60
Seminar and virtual videoconference (distance learning) M3, M13	R1, R2, R3, R5, R6	1,40	0,06
In-person or virtual assessment (distance learning) M7, M14	R1, R5	2,50	0,10
Individual tutoring sessions (distance learning) M16	R1, R3, R4, R5, R6	1,60	0,06
Discussion forums (distance learning) M18	R1	0,80	0,03
Continuous assessment activities (distance learning) M7, M14	R1, R2, R3, R4, R5, R6	0,80	0,03
TOTAL		60,00	2,40

ASYNCHRONOUS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Individual work activities (distance learning) M9	R1, R3, R5	56,50	2,26
Teamwork (distance learning) M8	R2, R3, R4, 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
Introduction to scientific research	Fundamentals of research Research process
Scientific communication and information retrieval	Sources of information Search strategy methodology
Research Manuscript	Key sections APA Style
Qualitative and quantitative methodologies	Research Designs Data analysis

Temporary organization of learning:

Block of content	Number of sessions	Hours
Introduction to scientific research	5,00	10,00
Scientific communication and information retrieval	8,00	16,00
Research Manuscript	3,00	6,00
Qualitative and quantitative methodologies	14,00	28,00



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.
- Fontes de Gracia, S., García Gallego, C., Quintanilla Cobián, L., Rodríguez Fernández, R., Rubio de Lemus, P. y Sarriá Sánchez, E. (2010). *Fundamentos de investigación en psicología*. Madrid: UNED
- García, C., Quintanilla, L., Garriga, A., Fontes, F., Pérez-Llantada, M.C., Sarriá, E. (2007). *Diseños de investigación en Psicología. Cuaderno de prácticas*. Madrid: UNED
- Martínez, R., Castellanos, M. A. y Chacón, J. C. (2014). *Métodos de Investigación en Psicología*. Eos Universitaria.
- Somoza Fernandez, M. (2015). *Búsqueda y recuperación de información en bases de datos de bibliografía científica*. Gijón: Trea.



Addendum to the Course Guide of the Subject

Due to the exceptional situation caused by the health crisis of the COVID-19 and taking into account the security measures related to the development of the educational activity in the Higher Education Institution teaching area, the following changes have been made in the guide of the subject to ensure that Students achieve their learning outcomes of the Subject.

Situation 1: Teaching without limited capacity (when the number of enrolled students is lower than the allowed capacity in classroom, according to the security measures taken).

In this case, no changes are made in the guide of the subject.

Situation 2: Teaching with limited capacity (when the number of enrolled students is higher than the allowed capacity in classroom, according to the security measures taken).

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject will be made through a simultaneous teaching method combining onsite teaching in the classroom and synchronous online teaching. Students will be able to attend classes onsite or to attend them online through the telematic tools provided by the university (videoconferences). In any case, students who attend classes onsite and who attend them by videoconference will rotate periodically.

In the particular case of this subject, these videoconferences will be made through:

☒ Microsoft Teams

☒ Kaltura



Situation 3: Confinement due to a new State of Alarm.

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject, as well as the group and personalized tutoring, will be done with the telematic tools provided by the University, through:

☒ Microsoft Teams

☒ Kaltura

Explanation about the practical sessions:



2. System for Assessing the Acquisition of the competences and Assessment System

ONSITE WORK

Regarding the Assessment Tools:

☒

The Assessment Tools will not be modified. If onsite assessment is not possible, it will be done online through the UCVnet Campus.

☐

The following changes will be made to adapt the subject's assessment to the online teaching.

Course guide		Adaptation	
Assessment tool	Allocated percentage	Description of the suggested changes	Platform to be used

The other Assessment Tools will not be modified with regards to what is indicated in the Course Guide.

Comments to the Assessment System:



ONLINE WORK

Regarding the Assessment Tools:

- ☒ The Assessment Tools will not be modified. If onsite assessment is not possible, it will be done online through the UCVnet Campus.
- ☐ The following changes will be made to adapt the subject's assessment to the online teaching.

Course guide		Adaptation	
Assessment tool	Allocated percentage	Description of the suggested changes	Platform to be used

The other Assessment Tools will not be modified with regards to what is indicated in the Course Guide.

Comments to the Assessment System: