



Information about the subject

Degree: Bachelor of Science Degree in Occupational Therapy

Faculty: Faculty of Psychology

Code: 1123002 **Name:** Research Methodology

Credits: 6,00 **ECTS Year:** 3 **Semester:** 1

Module: RESEARCH FUNDAMENTALS AND METHODOLOGY

Subject Matter: Research Methods, Design and Techniques **Type:** Compulsory

Field of knowledge: Sciences

Department: -

Type of learning: Classroom-based learning

Languages in which it is taught: Spanish

Lecturer/-s:



Module organization

RESEARCH FUNDAMENTALS AND METHODOLOGY

Subject Matter	ECTS	Subject	ECTS	Year/semester
Research Methods, Design and Techniques	6,00	Research Methodology	6,00	3/1
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 Apply the different elements and tools existing in each phase of the research process.
- R2 To identify and characterize sources of scientific and technical information.
- R3 To design and implement strategies to retrieve relevant information in scientific and technical information sources.
- R4 To develop bibliographic references in APA and Vancouver style.
- R5 To identify, design and communicate the different research designs of the quantitative and qualitative paradigm.



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):

GENERAL		Weighting			
		1	2	3	4
CG3	To obtain and use epidemiological data and value trends and risks involved in the taking of health-related decisions				X
CG5	To know, value critically and use the sources of information in order to obtain, organise, interpret and communicate the scientific, sanitary, socio-sanitary and information, preserving the confidentiality of the data.				X
CG16	To understand the fundamentals of action, indications and efficiency of Occupational Therapy interventions, based on the available scientific evidence				X
CG23	To create and write Occupational Therapy case studies in a comprehensible way for a specialised audience as well as a non-specialised one.		X		
CG24	To transmit written and/or oral information to a specialised audience as well as a non-specialised one.			X	
SPECIFIC		Weighting			
		1	2	3	4
CE63	To identify the need to research and search for publications related to occupation, Occupational Therapy and/or occupational science and ask relevant research questions.				X
CE64	To have the ability to apply scientific methods to verify the effectiveness of interventions, evaluate the work methods applied and divulge the results.				X
CE65	To understand, select and defend designs of methods and research.				X
CE66	To interpret, analyse, synthesise and criticise the findings of research.				X



CE67 To divulge the findings of research for relevant criticism.

X

Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2, R3, R4, R5	50,00%	Written tests: Summative and final theoretical-practical test (open questions, objective test questions, truncated test, etc.) Preparation of field work memoranda, practical case solutions, single cases.
R1, R2, R3, R4, R5	30,00%	Presentation of group and individual works.
R1, R2, R3, R4, R5	20,00%	Individual monitoring of attendance at face-to-face sessions and active participation in theoretical and practical classes, seminars and tutorials.

Observations

Note: In order to pass the course it will be mandatory to obtain at least a 5 out of 10 in each of the theoretical and practical parts.

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 ON-CAMPUS CLASS
- M2 PRACTICAL CLASSES



M3	SEMINAR
M4	GROUP PRESENTATION OF PAPERS
M5	OFFICE ASSISTANCE
M6	ASSESSMENT
M7	GROUP WORK
M8	INDEPENDENT WORK



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	R1, R2, R3, R5	29,00	1,16
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	R1, R2, R3, R5	10,00	0,40
SEMINAR: Supervised monographic sessions with shared participation M3	R4	7,50	0,30
GROUP PRESENTATION OF PAPERS: Application of multidisciplinary knowledge M4	R5	7,50	0,30
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, readings, papers, etc. M5	R1, R2, R3, R4, R5	3,00	0,12
ASSESSMENT: Set of oral and/or written tests used in initial, formative or additive assessment of the student M6	R1, R2, R3, R4, R5	3,00	0,12
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 (www.plataforma.ucv.es) M7	R4, R5	40,00	1,60
INDEPENDENT WORK: Student study: Group 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 (www.plataforma.ucv.es) M8	R1, R2, R3, R4	50,00	2,00
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 and Vancouver
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.
- Alpáñez López, M. C. (2020). *Escritura biomédica: el estilo Vancouver: guía práctica para la citación bibliográfica en ciencias de la salud*. Barcelona: Glosa.
- Argimón Pallás, J. M. y Jiménez Villa, J. (2019). *Métodos de investigación clínica y epidemiológica*. 5ª ed. Madrid: Elsevier.
- Botella Ausina, J. y Sánchez Meca, J. (2015). *Meta-análisis en ciencias sociales y de la salud*. Madrid: Síntesis.
- Cordón García, J. A., Gómez Díaz, R., Alonso Arévalo, J. y López Lucas, J. (2012). *Las nuevas fuentes de información: información y búsqueda documental en el contexto de la web 2.0*. Madrid: Pirámide.
- Corrillero Bravo, A. (2022). *Bibliografía y gestores bibliográficos: normas de Vancouver*. Madrid: Formación Alcalá.
- Cubo Delgado, S., Martín Marín, B. y Ramos Sánchez, J. L. (2011). *Métodos de investigación y análisis de datos en ciencias sociales y de la salud*. Madrid: Pirámide.
- García García, A. M. y Fernández Muñoz, E. (2013). *Publicación y lectura crítica de artículos científicos*. Barcelona: Signo.
- Hernández Sampieri, R. (2020). *Fundamentos de metodología de la investigación*. 21ª ed. Madrid: McGraw-Hill.
- Kielhofner, G. y Taylor, R. R. (2017). *Research in Occupational Therapy: Methods of Inquiry for Enhancing Practice*. Philadelphia: F.A. Davis.
- Pardo, A., Ruiz, M. A. y San Martín, R. (2015) *Análisis de datos en ciencias sociales y de la salud (Vol I)*. Madrid: Síntesis.
- Pardo, A., Ruiz, M. A. y San Martín, R. (2015) *Análisis de datos en ciencias sociales y de la salud (Vol II)*. Madrid: Síntesis.
- 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: