Information about the subject

Degree: Bachelor of Science Degree in Speech and Language Therapy

Faculty: Faculty of Psychology

Code: 1171201 **Name:** Research Methodology

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

Module: Basic Training

Subject Matter: Psychology **Type:** Basic Formation

Field of knowledge: Psychology

Department: Speech Therapy

Type of learning: Classroom-based learning

Languages in which it is taught: Spanish

Lecturer/-s:

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Module organization

Basic Training

Subject Matter	ECTS	Subject	ECTS	Year/semester
Phisiology	12,00	Functional anatomy of the organs of speech and hearing II	6,00	1/2
		Fundamentals of Neuroscience	6,00	1/1
Anatomy	6,00	Functional anatomy of the organs of speech and hearing I	6,00	1/1
Psychology	36,00	Developmental psychology	6,00	1/1
		Language development	6,00	1/2
		Psycholinguistics	6,00	2/1
		Psychology of attention and perception.	6,00	1/2
		Psychology of Learning and Memory	6,00	2/1
		Research Methodology	6,00	2/1
Clinical linguistics	6,00	Linguistics applied to speech and language therapy	6,00	1/1

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

> To apply the different existing elements and tools at each stage of the research process .

R2   To identify and characterize the sources of scientific and technical information.

R3   To design and implement strategies to retrieve relevant information from sources of scientific and technical information.

R4   To prepare 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
CG1	Analysis and synthesis		X		
CG2	Organize a work plan being able to carry it out within a specified period		X		
CG3	Find, evaluate, organize and manage information systems				X
CG4	Speaking and writing fluently, appropriately and with the necessary consistency to meet the academic standards of correctness in the language of instruction		X		
CG5	Make decisions and being responsible for them		X		

SPECIFIC		Weighting			
		1	2	3	4
CE5	Understand and integrate the methodological foundations for research in Speech Therapy				X
CE32	Using information technology and communication				X
CE37	Master the terminology that allows one to interact effectively with other professionals			X	
CE46	Being able to develop skills such as regulating one's own learning, solving problems, thinking critically and adapting to new situations		X		
CE50	Understand and critically evaluate the terminology and specific methodologies used in speech therapy research				X
CE54	Manage communication technologies and information				X

TRANSVERSAL		Weighting			
		1	2	3	4
CT1	Use the techniques of verbal and nonverbal communication in order to optimize relevant communicative situations		x		
CT2	Critically evaluate own job performance and that of other professionals to improve results		x		
CT3	Have the flexibility to work within teams integrated by other professionals belonging to the same field		x		
CT5	Recognize, analyze and obtain solutions to ethical problems in professional practice situations		x		
CT6	Adapt to new situations arising in their profession		x		
CT7	Having an open and flexible attitude to lifelong learning		x		

Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2, R3, R4, R5	75,00%	Oral and/or written tests: exams, reports, resolution of internships.
R1, R2, R3, R4, R5	10,00%	Attendance, participation, continued work.
R1, R2, R3, R4, R5	10,00%	Performance and/or presentation of individual theoretical and practical activities.
R1, R2, R3, R4, R5	5,00%	Performance and/or presentation of theoretical and practical group activities.

Observations

ELEMENTS FOR EVALUATION

1. Exam: Final written test of alternatives for the evaluation of the theoretical contents of the course.
2. Individual work: Practical work on information search in databases, APA regulations and statistics.
3. Questionnaires on the program: individual work.
4. Group work: Scientific poster.

In order to pass the course, students must pass the different evaluation systems separately.

CRITERIA FOR THE AWARDING OF HONORS

The grade of Matrícula de Honor (MH) will be awarded, at the discretion of the faculty, to those students who demonstrate levels of excellence in all elements of the evaluation and obtain outstanding grades.

In accordance with the general regulations, only one matriculation of honor can be awarded for every 20 students, not per fraction of 20, except in the case of groups of less than 20 students, where only one matriculation can be awarded.

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   Participative lectures: strategies focused on the transmission of information from teachers to students. Student participation is promoted with hybrid methodologies, in order to consolidate knowledge and encourage critical thinking.

M2   Practical Class. Classroom practice, laboratory practice and/or simulations: methodologies based on student interaction with problems, technologies, samples or analysis equipment, in order to incorporate experimentation to knowledge.

M3   Case studies and analysis of clinical histories: students build knowledge from information on cases provided to them. In addition to providing the material, the teacher acts as a guide in the search for the solution.

M4   Internships in real environments (in-company learning): students participate in the action of their specialty in work centers, approaching the role of the speech therapist.

M5   Internships in real environments (in-company learning): students participate in the action of their specialty in work centers, approaching the role of the speech therapist.

M6   Service-Learning: methodology that merges the learning process of students with the intention of providing a real and solidary service in society. Students participate in the selection of objectives and design of actions. Teachers act as guides to develop knowledge in the process.

IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
THEORETICAL CLASSES. Lectures, expository and participative classes. They focus on the approach, analysis and development of competences: explanation and orientation towards the acquisition of the necessary knowledge, instruction in the derived skills and acquisition of professional aptitudes. M1	R1, R2, R3, R4, R5	24,00	0,96
PRACTICAL CLASSES. Individual or group work sessions supervised by the teacher. Analysis of materials related to the subjects: reports, statistics, scientific literature, tests and evaluation tests, problem solving, visualization of clinical histories, simulation of cases, etc. M2	R1, R2, R3, R4, R5	22,00	0,88
SEMINARS. Monographic sessions with the participation of students, teachers and professionals. They focus on specific aspects related to the competencies of the module, subject or subject. They can be held in the classroom, in other academic environments or in other different ones. M1	R4	2,00	0,08
TUTORIALS: Individual or small group meetings to personalize any aspect of the teaching-learning process M6	R1, R2, R3, R4, R5	9,00	0,36
EVALUATION: Set of tests in oral, written, or other audiovisual media. It includes the final exams (exams and presentation of work) and all the elements of continuous evaluation that contribute in a weighted way to the final grade (presentation of work, scheduled activities, questionnaires, etc.) The public presentation of the Final Degree Project is included. M1	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 delivered in theory classes, practical classes or small group tutorials. M2	R5	36,00	1,44
AUTONOMOUS WORK: Personal study of the student. Individual preparation of readings, essays, problem solving, seminar material, papers, reports, etc. to present or deliver in class, complete their training activity and prepare their evaluation tests. M3	R1, R2, R3, R4	54,00	2,16
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	Research Fundamentals Research process
Scientific communication and information retrieval	Documentary sources Search strategy methodology
Research Report	APA and VANCOUVER style citation
Qualitative and quantitative methodologies	Research design Data analysis

Temporary organization of learning:

Block of content	Number of sessions	Hours
Introduction to scientific research	6,00	12,00
Scientific communication and information retrieval	8,00	16,00
Research Report	6,00	12,00
Qualitative and quantitative methodologies	10,00	20,00

References

Abadal Falgueras, E. and Codina Bonilla, Ll. (2005). Bases de datos documentales: características, funciones y método. Madrid: Síntesis.

Abella Espar, M. T. (2001). Técnicas documentales aplicadas a la investigación. Barcelona: UOC. Alvarez Cáceres, R. (1996).

Método científico en las ciencias de la salud. Madrid: Díaz de Santos. American Psychological Association (2010).

Publication Manual of the American Psychological Association. Mexico City: El Manual Moderno. Bernal, C. A. (2006).

Metodología de la Investigación (2nd ed.). Mexico: Pearson Educación. Carrizo Sainero, G. (2000).

Manual de fuentes de información (2nd ed.). Zaragoza: Cegal. Castellanos López, M. A., Pérez Moreno, E., & Simón López, T. (2018).

Research methods in speech therapy. Madrid: Síntesis. Cordón García, J. A., López Lucas, J. and Vaquero Pulido, J. R. (2001).

Manual de investigación bibliográfica y documental: teoría y práctica. Madrid: Pirámide. Cueva Martín, A. de la, Aleixandre Benavent, R. and Rodríguez i Gairín, J. M. (2001).

Fonts d'informació en ciències de la salut. València: Universitat de València. Ferragud, C., and Vidal Infer, A. (coords.) (2017).

Documentation and methodology in Health Sciences. Valencia: Nau Llibres. García Jiménez, M. V. (2002).

Métodos y Diseños de investigación científica. Ciencias Humanas: Sociales y de la Salud. Barcelona: EUB. García Pérez, J. F. (2006).

Research Methodology (2nd ed.). Mexico: Pearson Educación. Carrizo Sainero, G. (2000).

Manual de fuentes de información (2nd ed.). Zaragoza: Cegal. Castellanos López, M. A., Pérez Moreno, E., & Simón López, T. (2018).

Research methods in speech therapy. Madrid: Síntesis. Cordón García, J. A., López Lucas, J. and Vaquero Pulido, J. R. (2001).

Manual de investigación bibliográfica y documental: teoría y práctica. Madrid: Pirámide. Cueva Martín, A. de la, Aleixandre Benavent, R. and Rodríguez i Gairín, J. M. (2001).

Fonts d'informació en ciències de la salut. València: Universitat de València. Ferragud, C., and Vidal Infer, A. (coords.) (2017).

Documentation and methodology in Health Sciences. Valencia: Nau Llibres. García Jiménez, M. V. (2002).

Métodos y Diseños de investigación científica. Ciencias Humanas: Sociales y de la Salud. Barcelona: EUB. García Pérez, J. F. (2006).

Métodos, diseños y técnicas de investigación en las ciencias del comportamiento. Valencia: Palmero Ediciones. Hernández, R., Fernández, C. and Baptista, P. (2010).

Fundamentals of research methodology. Madrid: McGraw Hill. Lum, C. (2002).

Scientific thinking in speech and language therapy. Mahwah: Lawrence Erlbaum Associates.

Macía, M.A, Moreno, E, Reales, J.M, Rodríguez-Miñón, P. and Villarino, A. (2014).
Research Designs and Data Analysis. Ed:Sanz y Torres. Pardo, A., Ruiz, M. A. and San Martín, R. (2015).
Análisis de datos en ciencias sociales y de la salud (Vol II). Madrid: Síntesis. Villarino, A., Rodríguez-Miñón, P; Reales, J.M and Macía, M.A. (2015). Research Designs and Data Analysis. Ejercicios y Problemas. Ed:Sanz y Torres.