VNIVERSITAT DE VALÈNCIA

Course Guide
35281 Methodology Fundamentals in Speech Therapy

COURSE DATA

Data Subject	
Code	35281
Name	Methodology Fundamentals in Speech Therapy
Cycle	Grade
ECTS Credits	6.0
Academic year	2023 - 2024

Study (s)

Degree	Center	Acad. year	Period
1203 - Degree in Speech Therapy	Faculty of Psychology and Speech Therapy	1	First term

Subject-matter

Degree	Subject-matter	Character
1203 - Degree in Speech Therapy	8 - Methodological foundations of speech therapy	Basic Training

Coordination

Name	Department
FUENTES DURAN, MARIA DEL CASTILLO	267 - Behavioral Sciences Methodology

SUMMARY

The course Methodological Foundations of Speech Therapy is a required theoretical-practical four-month course that is taught in the first four-month period of the first year of the Degree in Speech Therapy.

The aim of this subject is that students learn the basic aspects related to the scientific research process, from the formulation of the problem to the communication of results, in the context of research methodologies and their respective implications for the validity of the results and the accumulation of scientific knowledge.

PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

It is recommended that students have basic knowledge of Statistics (basic knowledge of descriptive and inferential statistics) and Information (knowledge of basic computer use, web browsing and office-word, excel, power point,).

OUTCOMES

1203 - Degree in Speech Therapy

- Students must have acquired knowledge and understanding in a specific field of study, on the basis of general secondary education and at a level that includes mainly knowledge drawn from advanced textbooks, but also some cutting-edge knowledge in their field of study.
- Students must be able to apply their knowledge to their work or vocation in a professional manner and have acquired the competences required for the preparation and defence of arguments and for problem solving in their field of study.
- Students must have the ability to gather and interpret relevant data (usually in their field of study) to make judgements that take relevant social, scientific or ethical issues into consideration.
- Students must be able to communicate information, ideas, problems and solutions to both expert and lay audiences.
- Students must have developed the learning skills needed to undertake further study with a high degree of autonomy.
- Use the exploration techniques and instruments typical of the profession and record, synthesize and interpret the data provided by integrating them into the information set.
- Understand and evaluate the scientific production underpinning the professional development of the speech therapist.
- Be able to develop skills such as regulating their own learning, solving problems, reasoning critically and adapting to new situations.
- Communicate findings and conclusions to patients, their families and other professionals involved in their care, both orally and in writing, considering the sociolinguistic characteristics of the environment.
- Manage the technologies of communication and information.
- Know the principles of the scientific method and the characteristics of the different methods used in speech therapy and their analysis techniques.

- Know the different research designs, the methods of formulation and testing of hypothesis and the interpretation of results.
- Be able to apply methodological knowledge to solve the problems usually encountered in professional practice.
- Be able to collect, analyse and interpret data using statistical software and other information technologies.

LEARNING OUTCOMES

Understand and use the fundamentals of scientific methodology applied to speech therapy.

To be able to identify and measure variables specific to the field of speech therapy.

To be able to process, analyze data and interpret the results of scientific research.

To design an experiment and test the efficacy of a treatment based on the scientific method.

DESCRIPTION OF CONTENTS

1. Introduction to research: Basic concepts

2. Science and its method. Methodologies and implications for the validity of research results.

3. Scientific research process

4. Main designs in applied research

WORKLOAD

ACTIVITY	Hours	% To be attended
Theory classes	45,00	100
Classroom practices	15,00	100
Study and independent work	90,00	0
TOTAL	150,00	

TEACHING METHODOLOGY

1. Lectures supported by audiovisual media, links to different websites with content related to the subject, manuals and scientific articles and other readings and materials. This type of activities is aimed at teaching the more theoretical part of the subject.

2. Practical sessions in a computerized classroom, seminars and workshops aimed at applied aspects, in which students work individually or in groups with the material provided (tests, articles, computers, software and databases) to achieve an objective. An important feature is that there is a sharing followed by a discussion around the learning objective in question.

Here the students take a very active part in the learning process. The contents of these activities are aimed at training students to be able to acquire different competencies.

3. Development of exercises on theoretical and applied aspects with self-contained materials.

EVALUATION

ASSESSMENT SYSTEMS

The assessment system will be the same for both the first and the second call:

SE1.- Evaluation of theoretical and practical contents by writting tests. This section represents the 80% of the final grade.

SE2.- Oral or written presentation of reports, individual or group work, clinical cases, problem solving and handling of diagnostic tests. This section represents the 20% of the final grade. Recoverable in second call through competences test.

Minimum requirements:

To pass the subject, both in first and second call, it will be necessary to obtain a minimum of:

- 4 points out of 8 in SE1.

- 1 point out of 2 in SE2.

WARNING

Copying or plagiarism of any assignment part of the ASSESSMENT will make it impossible to pass the course, and the student will be subjected to the appropriate disciplinary procedures.

Please note that, according to Article 13. d) of the University Student Statute (RD 1791/2010, December 30), it is the duty of a student to refrain from using or cooperating in fraudulent procedures in the assessment tests, in the work performed or in official university documents.

In the case of fraudulent practices, the procedure will be as determined by the Protocol of action against fraudulent practices in the University of Valencia (ACGUV 123/2020):
https://www.uv.es/sgeneral/Protocols/C83sp.pdf

During tutoring hours, the faculty may request individual or group interviews in order to verify the degree of participation and achievement of the objectives set for any task developed. Failure to accept such verification will mean not passing the task or activity in question.

GRADING SYSTEM

The assessment of the subject and the challenge of the grade obtained will be subject to the provisions of the Reglament d'Avaluació i Qualificació de la Universitat de València per a títols de Grau i Màster (ACGUV 108/2017 of May 30, 2017).
http://www.uv.es/graus/normatives/2017_108_Reglament_avaluacio_qualificacio.pdf

According to this, it is specified in numerical expression from 0 to 10 with one decimal place, using the following grading scale:

- From 0 to 4.9: fail.

- From 5 to 6.9: pass.

- From 7 to 8.9: outstanding.

- From 9 to 10: outstanding or outstanding with honors.

As indicated in the regulations for the assignment of Honor Grades, it will be by strict order of grade. In the event of a tie, the student with the highest grade in SE1 will be assigned the Honor Roll. If there is still a tie, the grade in SE2 will be used. If all of them are equal, the teacher may give an additional test to the students involved.

The different sections contemplated in the assessment will only be added together when the minimum requirements established for each of them are exceeded.

REFERENCES

Basic

- Castellanos López, M. A., Pérez Moreno, E. y Simón López, T (2018). Métodos de investigación en logopedia. Ed. Síntesis; ISBN: 9788491711131
- Cañadas Osinski, I. y San Luis Costas, C. (2018). Análisis de Datos en Investigación. Primeros Pasos. Elche : Universidad Miguel Hernández

Additional

- Barlow, D.H. y Hersen, M. (1988). Diseños experimentales de caso único: Estrategias para el estudio del cambio conductual. Martínez Roca: Barcelona.
- Hernández, R., Fernández-Collado, C. y Baptista, P. (2010). Fundamentos de metodología de la investigación. Mexico: McGraw Hill.
- Ritchey, F.J. (2008). Estadística para las ciencias sociales. (2ª ed.). Mexico: McGraw Hill