

RESEARCH METHODOLOGY IN BEHAVIOURAL SCIENCES

(1) GENERAL

SCHOOL	HEALTH SCIENCES		
ACADEMIC UNIT	SPEECH LANGUAGE THERAPY		
LEVEL OF STUDIES	GRADUATE PROGRAM (LEVEL 6)		
COURSE CODE	slt – 75	SEMESTER	6 th
COURSE TITLE	Research Methodology in Behavioural Sciences		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
Lectures		2	4
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	General Knowledge		
PREREQUISITE COURSES:	NO		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO		
COURSE WEBSITE (URL)	https://moodle.ioa.teiep.gr/course/view.php?id=249		

(2) LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

The course is a general knowledge course. It concerns the subject of the Research Methodology and its individual implementation procedures in order to carry out research in the field of humanities and social sciences. The goal of the course is to familiarize students with the basic concepts, characteristics and modern trends in methodology such as the systematic observation technique, experimental hypothesis, bibliographic research, ethical behavior against subjects (humans and animals), scientific ethics, selection of independent and dependent variables, selection of experimental study, data analysis of language parameters and speech signals, use of proper software (SPSS) for testing statistical hypothesis regarding communication and speech and language, experimental results interpretation of the above, scientific presentation/report of the research results, use of theory.

Upon successful completion of the course the student will be able to:

- understand and list the characteristics (Levels 1, 2: Knowledge, Understanding)
- understand and be familiar with the subject of the Research Methodology and the specific procedures for its implementation in order to carry out research in the field of humanities and social sciences, (Levels 1, 2, 3: Knowledge, Understanding, Applying)
- apply the principles of research methodology to selected work cases, (Levels 1, 2, 3, 4: Knowledge, Understanding, Applying, Analyzing)
- understand the research methodology for its application in the writing and preparation of diploma / dissertation work. (Levels 1, 2, 3, 4, 5, 6: Knowledge, Understanding, Applying, Analyzing, Creating, Evaluating)

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>
<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>
<i>Decision-making</i>	<i>Respect for the natural environment</i>
<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>
<i>Team work</i>	<i>Criticism and self-criticism</i>
<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>
<i>Working in an interdisciplinary environment</i>	<i>.....</i>
<i>Production of new research ideas</i>	<i>Others...</i>
	<i>.....</i>

- *Adaption to new situations*
- *Autonomous Work*

- *Team Work*
- *Design and Project Management*

(3) SYLLABUS

1. Introduction - Object and purpose of the research methodology
2. Statistics, population, sample, variables, measurement scales
3. Types of Research in Speechpathology
4. Description and presentation of quantitative and qualitative data
5. Sampling - Sample size
6. Validity / reliability of data collection tools
7. Experimental - Non-experimental methods
8. Basic principles of statistical hypothesis testing
9. Statistical hypothesis testing applications
10. Case study design
11. Ethics in research
12. Results - Presentation of a research project
13. Discussion of research methodology in diploma / dissertation

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face to face & online educational material												
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Research Data Management Software Support of Learning Process via the electronic moodle platform with electronic educational material												
TEACHING METHODS <i>The manner and methods of teaching are described in detail. Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<table border="1"><thead><tr><th>Activity</th><th>Semester workload</th></tr></thead><tbody><tr><td>Lectures</td><td>26</td></tr><tr><td>Team project</td><td>20</td></tr><tr><td>Individual project</td><td>10</td></tr><tr><td>Independent Study/Evaluation</td><td>46</td></tr><tr><td>Course total</td><td>100</td></tr></tbody></table>	Activity	Semester workload	Lectures	26	Team project	20	Individual project	10	Independent Study/Evaluation	46	Course total	100
	Activity	Semester workload											
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	Team project	20											
	Individual project	10											
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Course total	100												
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	I. Written final exam (60%) comprising: - Multiple choice questions - Short answer questions - Analysis of roles and interested individuals in a short case study Comparative evaluation of theoretical aspects II. Presentation of Group Work (40%) The final exams will be offered in Greek												

(5) ATTACHED BIBLIOGRAPHY

<p>- <i>Suggested bibliography:</i></p> <ul style="list-style-type: none">• Bowling, A. (Επιμ.). (2013). <i>Μεθοδολογία Έρευνας στην Υγεία</i>. BROKEN HILL PUBLISHERS LTD.• Γεωργοπούλου, Σ. Χ. (2012). <i>Μεθοδολογία Έρευνας και Ανάλυση Δεδομένων στη Λογοπαθολογία</i>. Αθήνα: Εκδόσεις ΙΩΑΝΝΗΣ ΚΩΝΣΤΑΝΤΑΡΑΣ.• Καραγεώργος, Δ. Λ. (2002). <i>Μεθοδολογία Έρευνας στις Επιστήμες της Αγωγής</i>. Α & Σ ΣΑΒΒΑΛΑΣ Α.Ε. <p>- <i>Related academic journals:</i></p>

- **International Journal of Social Research Methodology**
<https://www.tandfonline.com/toc/tsrm20/current>
- **Journal of Mixed Methods Research**
<https://journals.sagepub.com/home/mmr>
- **International Journal of Research Methodology**
<https://ijrm.humanjournals.com/>
- **BMC Medical Research Methodology**
<https://bmcmmedresmethodol.biomedcentral.com/>