**Research Methodology in Behavioral Sciences II**

## (1) GENERAL

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| **SCHOOL** | HEALTH SCIENCES | | |
| **ACADEMIC UNIT** | SPEECH LANGUAGE THERAPY | | |
| **LEVEL OF STUDIES** | GRADUATE PROGRAM (LEVEL 6) | | |
| **COURSE CODE** | **slt – 68** | **SEMESTER** | **7** |
| **COURSE TITLE** | Research Methodology in Behavioural Sciences II | | |

| **INDEPENDENT TEACHING ACTIVITIES** *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* | **WEEKLY TEACHING HOURS** | **CREDITS** |
|---|---|---|
| Lectures | 3 | 4 |

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| **COURSE TYPE** *general background, special background, specialised general knowledge, skills development* | Specialised General Knowledge |
| **PREREQUISITE COURSES:** | |
| **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, and it constitutes the 2nd course in this series. The goal of the course is to further familiarize students with basic concepts, characteristics and modern trends in methodology such meta-analysis, evidence-based medicine, guidelines on writing a scientific manuscript, literature search.

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

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|---|---|
| • *Adaption to new situations*<br>• *Autonomous Work* | • *Team Work*<br>• *Design and Project Management* |

## (3) SYLLABUS

1. Introductory concepts. Revision of the basic concepts from the course "Research Methodology in behavioural sciences"
2. Literature search. MEDLINE. Cochrane network.
3. Presenting scientific research in behavioural sciences.
4. Critical appraisal of scientific a scientific manuscript.
5. Guidelines on writing a write a literature review
6. Meta-analysis. PRISMA.
7. Meta-analysis – Examples.
8. Writing a scientific manuscript.
9. Referencing guides.
10. Submission and peer-review of a scientific manuscript.
11. Using questionnaires in scientific research.
12. Evidence-based medicine.
13. Discussion of research methodology in diploma / dissertation

## (4) TEACHING and LEARNING METHODS - EVALUATION

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|---|---|
| **DELIVERY**<br>*Face-to-face, Distance learning, etc.* | Face to face & online educational material |
| **USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY**<br>*Use of ICT in teaching, laboratory education, communication with students* | Research Data Management Software<br>Support of Learning Process via the electronic moodle platform with electronic educational material |
| **TEACHING METHODS**<br>*The manner and methods of teaching are described in detail.*<br>*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.*<br><br>*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* | |
| **STUDENT PERFORMANCE EVALUATION**<br>*Description of the evaluation procedure* | Written final exam (100%) comprising:<br>- Multiple choice questions |

| ***Activity*** | ***Semester workload*** |
|---|---|
| Lectures | 39 |
| Independent Study/Evaluation | 61 |
| **Course total** | ***100*** |

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| *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*<br><br>*Specifically-defined evaluation criteria are given, and if and where they are accessible to students.* | - Short answer questions<br>- Analysis of roles and interested individuals in a short case study<br>- Comparative evaluation of theoretical aspects<br><br>The final exams will be offered in Greek |

## (5) ATTACHED BIBLIOGRAPHY

*- Suggested bibliography:*


- Bowling, A. (Επιμ.). (2013). *Μεθοδολογία Έρευνας στην Υγεία*. BROKEN HILL PUBLISHERS LTD.
- Γεωργοπούλου, Σ. Χ. (2012). *Μεθοδολογία Έρευνας και Ανάλυση Δεδομένων στη Λογοπαθολογία.* Αθήνα: Εκδόσεις ΙΩΑΝΝΗΣ ΚΩΝΣΤΑΝΤΑΡΑΣ.
- Καραγεώργος, Δ. Λ. (2002). *Μεθοδολογία Έρευνας στις Επιστήμες της Αγωγής. Α & Σ ΣΑΒΒΑΛΑΣ Α.Ε.*
- *Παρασκευόπουλος, Ι. (1993). Μεθοδολογία της Επιστημονικής Έρευνας. Ιδιωτική Έκδοση.*
- *Λαγουμιντζής, Γ., Βλαχόπουλος, Γ., Κουτσογιάννης, Κ., 2015. Μεθοδολογία της έρευνας στις επιστήμες υγείας. [ηλεκτρ. βιβλ.] Αθήνα: Σύνδεσμος Ελληνικών Ακαδημαϊκών Βιβλιοθηκών.*


*- Related academic journals:*

- **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://bmcmedresmethodol.biomedcentral.com/