COURSE OUTLINE RESEARCH METHODS IN OCCUPATIONAL THERAPY

1. GENERAL

SCHOOL	SCIENCE OF PHYSICAL EDUCATION, SPORTS AND OCCUPATIONAL THERAPY		
DEPARTMENT/MSc	OCCUPATIONAL THERAPY		
LEVEL OF STUDY	MSc - LEVEL 6		
COURSE CODE		**SEMESTER OF STUDIES**	3Rd
COURSE TITLE	Research Methdos in Occupational Therapy		

INDEPENDENT TEACHING ACTIVITIES *in case the credits are awarded to distinct parts of the course, e.g. Lectures, Laboratory Exercises, etc. If the credits are awarded uniformly for the entire course, indicate the weekly teaching hours and the total credits*	**TEACHING WEEKS**	**CREDITS**
Theory	3	6
Laboratory	2	
Add rows if needed. The organization of teaching and the teaching methods used are described in detail in 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skills Development*	Skills Development
PREREQUISITE COURSES:	NO
LANGUAGE OF INSTRUCTION AND EXAMINATIONS:	GREEK
THE COURSE IS OFFERED TO ERASMUS STUDENTS	NO
ONLINE COURSE PAGE (URL)	…

2. LEARNING OUTCOMES

Learning Outcomes

The learning outcomes of the course are described, the specific knowledge, skills and abilities of an appropriate level that students will acquire after the successful completion of the course.

Consult Appendix A

- *Description of the Level of Learning Outcomes for each cycle of study according to the European Higher Education Area Qualifications Framework*
- *Descriptive Indicators of Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning*

and Annex B

- *Summary Guide to Writing Learning Outcomes*

Upon successful completion of the course, participants will be able to:

- *know the types of research approaches (qualitative/quantitative)*
- *understand and know techniques that belong to these research approaches*
- *search for research papers in reputable databases*
- *critically study research papers*
- *know the steps of developing a research proposal*

- *understand and design the appropriate methodology to carry out a research and specifically the formulation of the research proposal, review of existing literature, formulation of research queries, sampling methodology, data collection methods, data processing, data analysis techniques, comparison of results with the existing literature)*
- *understand the concepts and importance of validity and reliability*
- *recognize the ethical issues of research papers/studies*

General Competencies

Taking into account the general competencies that the graduate must have acquired (as listed in the Diploma Supplement and listed below), which / which of them is the course aimed at?.

Search, analyze and synthesize data and information, using the necessary technologies
Adapting to new situations
Decision-making
Autonomous work
Teamwork
Working in an international environment
Working in a multidisciplinary environment
Generating new research ideas
Project planning and management
Respect for diversity and multiculturalism
Respect for the natural environment
Demonstrate social, professional and ethical responsibility and gender sensitivity
Criticism and self-criticism
Promoting free, creative and inductive thinking

- *Search, analyze and synthesize data and information, using the necessary cutting-edge technologies*
- *A critical study of international and Greek literature*
- *Investigation and production of research ideas*
- *Autonomous and group conduct of a research proposal*
- *Working in a multidisciplinary context*
- *Promoting free, creative and inductive thinking*

3. COURSE CONTENT

1. *Introduction to the concepts of the two research approaches (Quantitative/Qualitative).*
2. *Issues of bioethics and ethics.*
3. *Methodology for ensuring the quality characteristics of research papers (reliability, validity)*
4. *Types of research studies based on sample selection: case studies, sample studies, randomized controlled trials, etc.*
5. *Construction of questionnaires.*
6. *Data collection methods.*
7. *Quantitative Data Analysis Techniques (Monovariable Statistical Analysis).*
8. *Quantitative Data Analysis Techniques (Multivariate Statistical Analysis).*
9. *Qualitative data analysis approaches (Thematic Content Analysis, Narrative Analysis, Grounded Theory).*

10. *Introduction to the methodology of Machine Learning applications in Occupational Therapy.*
11. *Methodological approach to the different types of reviews.*
12. *Design of a research proposal and/or study: finding a research gap, selecting a topic, reviewing existing literature, formulating research questions, sampling methods, selection of data collection and processing methods, data analysis techniques, comparison of results with those of the existing literature.*
13. *Writing a research paper and article for a scientific journal.*

4. TEACHING AND LEARNING METHODS - EVALUATION

DELIVERY METHOD *Face-to-face, Distance learning, etc.*	- Face to face - Theoretical lectures & laboratory courses
USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES *Use of ICT in Teaching, Laboratory Training, Communication with Students*	Use of ICT in Teaching and Communication with Students • Digital slides • Video • Microsoft Teams/ e-class, webmail
TEACHING ORGANIZATION *The way and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Study & Analysis of Literature, Tutorial, Practice (Placement), Clinical Exercise, Art Workshop, Interactive Teaching, Educational Visits, Project Preparation, Writing a Paper / Paper, Artistic Creation, etc.* *The student's study hours for each learning activity as well as the hours of non-guided study are indicated so that the total workload at semester level corresponds to ECTS standards*	
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Conclusive, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Paper, Report/Report, Oral Examination, Public Presentation, Laboratory Work, Clinical Examination of a Patient, Artistic Interpretation, Other/Other*	Work at home (compulsory) 20% 80% written exam including short-answer questions and multiple-choice questions

Activity	***Semester Workload***
Lectures	39
Individual Work	60
Literature study and analysis	78
Examination	3
Total Course	**180**

Explicitly defined evaluation criteria and whether and where they are accessible by students are mentioned.	

5. RECOMMENDED BIBLIOGRAPHY

1. *Bagiatis, K. (2016) Statistics. Kyriakidis Bros PUBLICATIONS S.A., Thessaloniki*
2. *Stalikas, Anastasios and Kyriazos, Theodoros (2019) Research Methodology and Statistics. Athens: Topos Publications.*
3. *Babbie,E. (2011). Introduction to Social Research (Ed. K. Zafiropoulos). Athens: Kritiki Publications.*