

NEW TECHNOLOGIES IN ASSESSMENT AND INTERVENTION ORAL COMMUNICATION

(1) GENERAL

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| SCHOOL | HEALTH SCIENCES | | |
| ACADEMIC UNIT | SPEECH LANGUAGE THERAPY | | |
| LEVEL OF STUDIES | Undergraduate Program (Level 6) | | |
| COURSE CODE | slt – 63 | SEMESTER | 6 |
| COURSE TITLE | NEW TECHONOLOGIES IN ASSESSMENT AND INTERVENTION ORAL COMMUNICATION | | |
| 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 | 5 | |
| Small Group Discussion | 1 | | |
| Laboratory Exercises | 1 | | |
| COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i> | special background | | |
| PREREQUISITE COURSES: | | | |
| LANGUAGE OF INSTRUCTION and EXAMINATIONS: | Greek | | |
| IS THE COURSE OFFERED TO ERASMUS STUDENTS | No | | |
| COURSE WEBSITE (URL) | http://moodle.ioa.teiep.gr/course/view.php?id=31 | | |

(2) LEARNING OUTCOMES

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| <p>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.</p> <p>Consult Appendix A</p> <ul style="list-style-type: none"> • 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 |
| <p>This is course is a special background course in the Field of Applied Informatics in speech pathology. The aim of the course is to familiarize students with the use, parameterization and understanding of various technologies and applications of applied computer science in the clinical setting of speech pathology.</p> <p>Upon successful completion of the course the student will be able to:</p> <ul style="list-style-type: none"> • Understand, use and select appropriate technologies and applications in clinical speech pathology procedure (Level 1 – 3: Knowledge, Skills, Ability) • Provide digital clinical data for assist in diagnostic and / or intervention procedures (Level 1 – 3: Knowledge, Skills, Ability) |
| 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?

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| <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>Others.....</i> |
| <i>Production of new research ideas</i> | |

Search for, analysis and synthesis of data and information, with the use of the necessary technology
Adapting to new situations
Working independently
Team work
Working in an international environment
Working in an interdisciplinary environment
Project planning and management
Criticism and self-criticism

(3) SYLLABUS

1. Information and Communication Technologies today
2. Mobile devices in clinical speech therapy as an incentive for discussion
3. Computer Applications as a guide to clinical speech therapy
4. Voice technology in speech therapy
5. Real-time speech therapy applications
6. Computer as a learning tool for children in clinical speech therapies
7. Computer as a learning tool for adults in clinical speech therapies
8. New Technologies in speech and language diagnosis
9. Apps for the clinical framework of prevention and diagnosis
10. Apps for the clinical intervention
11. Teleradiology - Telepractice - Use of Web 2.0 technologies
12. AAC technologies I
13. AAC technologies II

(4) TEACHING and LEARNING METHODS - EVALUATION

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| DELIVERY <i>Face-to-face, Distance learning, etc.</i> | Face-to-face & blended learning supported with online educational material. |
| USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i> | <ul style="list-style-type: none"> • Use of ICT in teaching, laboratory education, • Communication with students via email, messenger, facebook, moodle etc. • Laboratory education supporting the understanding of creating multimedia material • Support with blended learning using the learning management system moodle and a webpage |

| | <p>accommodating online educational material for this course</p> <ul style="list-style-type: none"> • Posting course-grades through the online course management platform of the UOI | | | | | | | | | | | | | | | | |
|--|---|--------------------------|--------------------------|----------|----|----------|----|------------|----|-------------------------|----|------------------------------------|----|---------------------------|----|---------------------|------------|
| <p>TEACHING METHODS</p> <p><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></p> <p><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></p> | <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>Practice</td> <td>13</td> </tr> <tr> <td>Laboratory</td> <td>13</td> </tr> <tr> <td>Group work in a project</td> <td>20</td> </tr> <tr> <td>Study and analysis of bibliography</td> <td>10</td> </tr> <tr> <td>Personal Study/Evaluation</td> <td>43</td> </tr> <tr> <td>Course total</td> <td>125</td> </tr> </tbody> </table> | Activity | Semester workload | Lectures | 26 | Practice | 13 | Laboratory | 13 | Group work in a project | 20 | Study and analysis of bibliography | 10 | Personal Study/Evaluation | 43 | Course total | 125 |
| | Activity | Semester workload | | | | | | | | | | | | | | | |
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| | Practice | 13 | | | | | | | | | | | | | | | |
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| Course total | 125 | | | | | | | | | | | | | | | | |
| <p>STUDENT PERFORMANCE EVALUATION</p> <p><i>Description of the evaluation procedure</i></p> <p><i>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</i></p> <p><i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i></p> | <p>I. Written final exam (50%):</p> <ul style="list-style-type: none"> - Multiple choice test - Short answer questions - Open-ended questions <p>II. Written Essay and presentation (30%)</p> <p>III. Laboratory work - (20%)</p> <p>The final exams will be offered in Greek</p> | | | | | | | | | | | | | | | | |

(5) ATTACHED BIBLIOGRAPHY

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| <p>- <i>Suggested bibliography:</i></p> <ol style="list-style-type: none"> 1. Cochran, P.S. (2005). Clinical Computing Competency for Speech-language Pathologists, P.H. Brookes Pub. 2. Dwight, D. (2015). This is how to do therapy 3. Basu, A. & Anup, B. (2018). Smart Multimedia (First International Conference, ICSM 2018, Toulon, France, August 24–26, 2018) <p>- <i>Related academic journals:</i></p> <ol style="list-style-type: none"> 1. Journal of Special Education Technology, SAGE Journals, https://journals.sagepub.com/home/jst 2. JMIR Research Protocols Journal of Telemedicine and Telecare, https://www.researchprotocols.org/ 3. JMIR Serious Games, https://games.jmir.org/ |
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