

MULTIMEDIA IN SPEECH AND LANGUAGE DEVELOPMENT

(1) GENERAL

SCHOOL	HEALTH SCIENCES		
ACADEMIC UNIT	SPEECH LANGUAGE THERAPY		
LEVEL OF STUDIES	Undergraduate Program (Level 6)		
COURSE CODE	slt – 54	SEMESTER	5
COURSE TITLE	MULTIMEDIA IN SPEECH AND LANGUAGE DEVELOPMENT		
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	
Laboratory Exercises	1		
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised general knowledge		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek & English		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	Yes		
COURSE WEBSITE (URL)	http://moodle.ioa.teiep.gr/course/view.php?id=12		

(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 specialised general knowledge course in the Applied Informatics Area focusing on multimedia and its use in speech development. The aim of the course is to familiarize students with the basic concepts and technologies of multimedia, introducing the multimedia main elements, which are text, images, sound, animation and video in order to understand the creation process of multimedia exercises for the development of speech and language abilities.

Upon successful course completion the student will be able to:

- understand and list the basics of multimedia main elements, text, image, audio animation and video editing (Levels 1 & 2: Knowledge/Remembering & Understanding)
- understand and be familiar with software apps enabling text, image, audio, motion and

video editing (Levels 1, 2, 3 & 5: Knowledge Knowledge/Remembering, Understanding, Applying & Creating)

- be able to manage them and create interactive multimedia exercises to develop speech and language material adapted to the individual's needs (Levels 3-6: Applying, Analysing, 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>

- 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. Introduction to multimedia
2. Text, Hypertext and Hyperlinks
3. Digital Image
4. Digital Sound
5. Animation
6. Digital Video
7. Image processing
8. Edit sound
9. Edit video
10. Creating Multimedia
11. Design and Development of Multimedia Applications

12. Development of multimedia exercises

13. Verification and validation of multimedia material

(4) TEACHING and LEARNING METHODS - EVALUATION

<p>DELIVERY <i>Face-to-face, Distance learning, etc.</i></p>	<p>Face-to-face & blended learning supported with online educational material.</p>															
<p>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i></p>	<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 accommodating online educational material for this course • Posting course-grades through the online course management platform of the UOI 															
<p>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></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 data-bbox="651 766 959 808">Activity</th> <th data-bbox="959 766 1262 808">Semester workload</th> </tr> </thead> <tbody> <tr> <td data-bbox="651 808 959 844">Lectures</td> <td data-bbox="959 808 1262 844">26</td> </tr> <tr> <td data-bbox="651 844 959 880">Laboratory</td> <td data-bbox="959 844 1262 880">8</td> </tr> <tr> <td data-bbox="651 880 959 952">Group work in a project</td> <td data-bbox="959 880 1262 952">20</td> </tr> <tr> <td data-bbox="651 952 959 1023">Study and analysis of bibliography</td> <td data-bbox="959 952 1262 1023">10</td> </tr> <tr> <td data-bbox="651 1023 959 1097">Personal Study/Evaluation</td> <td data-bbox="959 1023 1262 1097">36</td> </tr> <tr> <td data-bbox="651 1097 959 1133">Course total</td> <td data-bbox="959 1097 1262 1133">100</td> </tr> </tbody> </table>		Activity	Semester workload	Lectures	26	Laboratory	8	Group work in a project	20	Study and analysis of bibliography	10	Personal Study/Evaluation	36	Course total	100
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<p>STUDENT PERFORMANCE EVALUATION <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. Written final exam (50%): - Multiple choice test - Short answer questions</p> <p>II. Written Essay and presentation (30%)</p> <p>III. Laboratory work - (20%)</p> <p>The final exams will be offered in Greek & English</p>															

Specifically-defined evaluation criteria are given, and if and where they are accessible to students.	
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(5) ATTACHED BIBLIOGRAPHY

- *Suggested bibliography:*

1. Vaughan, T.(2011). *Multimedia: Making It Work (Eighth Edition)*.
2. van Dam, N.H.M. (2017). *21st Century Corporate Learning & Development -Trends and Best Practices*, New York: McGraw-Hill Companies Inc.
3. Owens, R. (2014). *Language Disorders*.

- *Related academic journals:*

1. Journal for Computer Assisted Learning, Wiley Online Library, <https://onlinelibrary.wiley.com/journal/13652729>
2. Computer Assisted Language Learning, Taylor & Francis, <https://www.tandfonline.com/loi/ncal20>
3. International Journal of Computer-Assisted Language Learning and Teaching (IJCALLT), IGI Global, <https://www.igi-global.com/journal/international-journal-computer-assisted-language/41023>