UNIVERSIDADE LUSÍADA
LISBOA

Course Unit Program
Elective II - Technologies in Music Therapy

Academic Year 2024/2025

1. Organic Unit

Institute of Psychology and Educational Sciences

2. Course

MUSIC THERAPY

3. Cycle

2nd

4. Course Unit

Elective II - Technologies in Music Therapy (O9114)

5. Scientific Area

6. Curricular Year

1st

7. Type of Curricular Unit / Semester

2nd Semester

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8. Class type and workload (work time)

Theoretical classes:	
Practical classes:	
Theoretical-Practical Classes	10,00
Tutorial Guidance:	5,00

9. ECTS Credits

2,50

10. Scientific Area Coordinator

11. Regent

Prof. Doutor NUNO ALEXANDRE PINTO RIBEIRO DA COSTA

12. Assistants

13. Teaching Language

Portuguese

14. General Objectives

1. Develop techniques for arranging and composing music.
2. Provide practical skills in recording, editing, mixing, and processing audio in the context of music creation and production.
3. Create musical pieces using non-musical sounds and electric and acoustic instruments.
4. Identify potential uses of technology in creative processes.

15. Specific Objectives

1. Deepen techniques in arranging, composition, and orchestration.
2. Study the key steps in the development of a musical project: creation, task delegation, planning, deadlines, recording, editing, and delivery.
3. Explore practical aspects of audio project workflows.
4. Gain an understanding of creating a sonic language from a practical standpoint.

16. Skills to be acquired

1. Development of composition and arranging techniques.
2. Understanding the functionalities of audio software.
3. Essential knowledge of microphone characteristics and their use as a crucial link in the signal chain.
4. Understanding the processes of recording, editing, mixing, and mastering.

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17. Teaching Methodology

1. Listening to important sound examples to enhance understanding of the subject matter.
2. Presenting examples in visual format.
3. Hands-on practice with standard systems used in the professional world.
4. Access to the majority of the equipment studied in class.

18. Course Unit Program

1. Composition: Essential concepts on harmonic structures, motif development, and rhythm.
2. Audio software: Features, shortcuts, and key characteristics.
3. Project recording: Capturing audio, microphone techniques, overview of software and hardware options available in the market. Practical applications.
4. Audio editing strategies: Sequencing, looping, fading, crossfading.
5. Dynamics: Signal compression and limiting, normalization, and gating.

19. Assessment Methods

1. Continuous evaluation elements such as attendance, oral participation, and completion of exercises will be taken into account.
2. Performance in the two projects developed throughout the semester will be evaluated.

20. Didactic Resources

1. Audio and video material presented in class will be made available on Moodle.
2. Supporting slides will be provided.
3. Tutorials on software tools' functionality will be offered.
4. Online handouts on recording and processing will be provided.
5. Practical use of studio equipment will be encouraged.

21. Sustainability Objectives

To ensure that all learners acquire the knowledge and skills needed to promote sustainable development, including, among others, through education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship and appreciation of cultural diversity and of culture?s contribution to sustainable development.

22. Keywords

Composition
Arrangement
Recording
Editing
Mixing
Mastering

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23. Main Bibliography

Author(s):	Adler, S.		
Title:	The Study of Orchestration		
Edition:	4	Year:	2016
Local:	New York		
Publisher:	WW Norton & Co		

Author(s):	Landy		
Title:	Making Music with Sounds		
Edition:	1	Year:	2012
Local:	UK		
Publisher:	Routledge		

Author(s):	Sussman, R & Abene, M.		
Title:	Jazz Composition and Arranging in the Digital Age		
Edition:	1	Year:	2012
Local:	USA		
Publisher:	Oxford University Press Inc		

24. Complementary Bibliography

Author(s):	Pease, T. & Pullig, K.		
Title:	Modern Jazz Voicings: Arranging for Small and Medium Ensembles		
Edition:	1	Year:	2001
Local:	Boston		
Publisher:	Berklee Press		

Author(s):	Pease, T.		
Title:	Jazz Composition		
Edition:	1	Year:	2003
Local:	Boston		
Publisher:	Berklee Press Publications		

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Ficha técnica MIP / MIP Datasheet	
Título / Title	Course Unit Program 'OPÇÃO II - TECNOLOGIAS EM MUSICOTERAPIA': Academic Year 2024/2025
Autor / Author	Prof. Doutor NUNO ALEXANDRE PINTO RIBEIRO DA COSTA
Classificação / Classification	-
Descritores / Descriptors	-
Colaborador(es) / Colaborator(s)	-
Data Hora / Date Time	
Formato de dados / Data Format	Texto / Text, PDF
Estatuto de utilização / Usage	Acesso público / Public Access
Relação / Relation	Version 1,0

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