UNIVERSIDADE LUSÍADA
LISBOA

Course Unit Program
Post-Production and Special Effects

Academic Year 2024/2025

1. Organic Unit

Faculty of Architecture and Arts

2. Course

COMMUNICATION AND MULTIMEDIA

3. Cycle

1st

4. Course Unit

Post-Production and Special Effects (L2128)

5. Scientific Area

6. Curricular Year

3rd

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	30,00
Tutorial Guidance:	20,00

9. ECTS Credits

6,00

10. Scientific Area Coordinator

11. Regent

Prof. Doutor THOMAS BEHRENS

12. Assistants

13. Teaching Language

Portuguese

14. General Objectives

The student must -
Explore, based on classic editing and post-production techniques, various areas of application in the multimedia environment.
Apply, in a creative and critical way, motion graphics and digital video techniques, as well as developing a contemporary notion of the concept of special effects in multimedia and audiovisual expression.
Develop intellectual resources and technical skills essential for the production of pilot multimedia products.

15. Specific Objectives

The student must -
Recognize and customize the use of various film and video formats for the correct use of post-production and motion graphics software tools.
Know and apply organizational procedures for work required in post-production.
Deepen knowledge about image and sound capture and processing techniques.
Keep up to date with new special effects techniques based on graphic modeling.

16. Skills to be acquired

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The student must -
Develop individual skills in critical analysis and decision making, both creatively and technically.
Strengthen the skills already acquired in the areas of recording and editing of image and sound and apply them in post-production in the elaboration of special effects.
Strengthen the capacity for work in constant evolution, artistic creation together with technical rigor, discipline and care in meeting goals and deadlines.

17. Teaching Methodology

Exposition classes, theoretical-practical teaching. Personalized follow-up classes for practical post-production and special effects work. Practical work with equipment (hardware and software) for image editing, audio post-production and special effects.

18. Course Unit Program

1 POST-PRODUCTION
Clarify concepts of montage, editing, video post-production.

2 THE SPECIAL EFFECTS

Design and Motion Graphics

3 HISTORICAL EVOLUTION
The historical and technological evolution of post-production and special effects

4 THE METHODOLOGIES
Methodologies and procedures for organizing and developing multimedia post-production work

5 THE TECHNOLOGIES
Current post-production technologies
Current special effects technologies
The application of these technologies and the technological base at our disposal.

6 TECHNOLOGIES AND PRACTICES AND POST-PRODUCTION AND SPECIAL EFFECTS

The post-production development of a pilot product.

Application of post-production and special effects software tools

19. Assessment Methods

Realization of 3 individual practical works (3 "milestones"), delivery via moodle platform.
Each individual work will be evaluated at an intermediate time and by the respective final version.

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20. Didactic Resources

Television Studio, Voiceover Booth and "Regie", Post-Production Laboratory with 15 HI-Mac stations, 15 PC stations and adobe and/or daVinci solve software.

21. Sustainability Objectives

In 2015, United Nations (UN) Member States adopted the 2030 Agenda for Sustainable Development and its 17 Sustainable Development Goals (SDGs). For one of their practical works, each student will have to develop a content that promotes one of these goals.

22. Keywords

Post production,
Special effects,
Video,
audio,
multimedia

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23. Main Bibliography

Author(s):	PADUAN, Alberto Deodato Seda		
Title:	Broadcast: Produção e Pós-Produção de programa de TV		
Edition:	1	Year:	2014
Local:	São Paulo, Brasil		
Publisher:	Clube de Autores		

Author(s):	REISZ, Karel& MILLAR, Gavin		
Title:	The techniques of film editing		
Edition:	2nd	Year:	1968
Local:	London, UK		
Publisher:	Hastings Hose		

Author(s):	PERKINS, Chad		
Title:	How to cheat in After Effects		
Edition:	2nd	Year:	2010
Local:	USA		
Publisher:	Focal Press		

24. Complementary Bibliography

Author(s):	MACHADO, Arlindo		
Title:	Pré-Cinemas e Pós-Cinemas		
Edition:	4ª	Year:	2007
Local:	São Paulo, Brasil		
Publisher:	Papirus Editora		

Author(s):	BYRNE, Bill		
Title:	The Visual Effects Arsenal: VFX Solutions for the Independent Filmmaker		
Edition:		Year:	2009
Local:	Oxford, UK		
Publisher:	Focal Press		

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Ficha técnica MIP / MIP Datasheet	
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Autor / Author	Prof. Doutor THOMAS BEHRENS
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