

Course guide

804495 - PA3D - 3D Animation Production

Last modified: 09/10/2026

Unit in charge: Image Processing and Multimedia Technology Centre
Teaching unit: 804 - CITM - Image Processing and Multimedia Technology Centre.

Degree: BACHELOR'S DEGREE IN DESIGN, ANIMATION AND DIGITAL ART (Syllabus 2023). (Optional subject).

Academic year: 2026 **ECTS Credits:** 6.0 **Languages:** Spanish

LECTURER

Coordinating lecturer:

Pulpón Alcolea, Carlos

Others:

REQUIREMENTS

Irregular actions that can lead to a significant variation in the grade of one or more students constitute a fraudulent performance of an assessment act. This action entails the descriptive qualification of suspension and a numerical grade of 0 in the overall ordinary assessment of the subject, without the right to re-evaluation.

If the teachers have indications of the use of AI tools not allowed in the assessment tests, they can call the students involved to an oral test or a meeting to verify their authorship.

TEACHING METHODOLOGY

- Project based learning. Individual and team work, with coordination and distribution of tasks to facilitate the development of the project. Students progress by applying the knowledge learned in the different subjects of the course, they look for the information they need, they consult the project teacher and the professors of the other subjects and learn new knowledge and resources applicable to the project. A part of the work takes place during the classes, and in this case the work is guided and supervised by the teacher. Another part is developed as a team, during class hours or during self-employment hours. Finally, another part is of individual work for the subsequent sharing.

- Group tutoring, explanation of the materials provided and work plan.

- Autonomous work. Students work autonomously, outside of class time, studying, reading, solving exercises or problems, developing practices.

- Report writing, public presentation and defense of the conclusions drawn and evaluation tests.

LEARNING OBJECTIVES OF THE SUBJECT

- Identify the procedures involved in the management of audiovisual projects and be able to plan and manage a project using project management tools as support.
- Plan, conceive, deploy and direct projects in the field of design, animation and digital art, leading their implementation and continuous improvement and assessing their economic and social impact.
- Identify the basic characteristics of organizations and recognize the instruments and techniques, both for the generation of ideas and management, that allow solving known problems and generating opportunities, with a vision of process and market implementation that involves and involves stakeholders. others in projects that must be developed.
- Apply in the development of a project, the necessary theoretical and practical knowledge acquired in the subjects studied.
- Develop the personal and social skills appropriate for teamwork in the development of audiovisual projects and master them at the level corresponding to the current project.
- Use strategic knowledge and skills to create and manage projects, apply systemic solutions to complex problems and design and manage innovation in the organization.
- Develop audiovisual artistic and technological projects free of sexist stereotypes.

STUDY LOAD

Type	Hours	Percentage
Guided activities	12,0	8.00
Hours large group	30,0	20.00
Self study	90,0	60.00
Hours medium group	18,0	12.00

Total learning time: 150 h

CONTENTS

1. Introduction

Description:

- 1.1. Introduction to the subject
- 1.2. Evaluation system

Full-or-part-time: 25h

Theory classes: 10h

Self study : 15h

2. Preproduction

Description:

- 2.1. Presentation of the premises and selection of the winner
- 2.2. Development of the winner premise
- 2.3. Tech Specs/Bible of the premise
- 2.4. Camera movements, shots and references
- 2.5. Viability and Plan B
- 2.6. Scheduling 1

Full-or-part-time: 30h 20m

Theory classes: 13h 40m

Self study : 16h 40m

3. Team Building

Description:

- 3.1. Rol and positions.
- 3.2. Pipeline and Workflow.

Full-or-part-time: 30h 20m

Theory classes: 13h 40m

Self study : 16h 40m

4. Production

Description:

- 4.1. Conceptualization
- 4.2. Scheduling 2
- 4.3. Production
- 4.4. Rigging Bootcamp 1
- 4.5. Rigging Bootcamp 2

Full-or-part-time: 30h

Theory classes: 13h 20m

Self study : 16h 40m

5. Postproduction

Description:

- 5.1. Compositing and Editing
- 5.2. Mastering
- 5.3. Promotion
- 5.4. Breakdown

Full-or-part-time: 25h

Theory classes: 10h

Self study : 15h

6. Validation and Future

Description:

- 6.1. Validation methods
- 6.2. Postmortem
- 6.3. Areas for improvement and future

Full-or-part-time: 9h 20m

Theory classes: 8h 20m

Self study : 1h

GRADING SYSTEM

Any academic fraud, plagiarism or use or possession of unauthorised means in an assessment activity leads to a mark of zero (0) for the affected test or assignment. Furthermore, in accordance with the University's regulations, if disciplinary proceedings are initiated the subject is recorded as "Pending Assessment" until a decision is reached. These incidents are managed in accordance with the [Action Framework for Academic Integrity in Assessment at the UPC](#).

Participation 10%

Practices 60%

Final delivery 60%

EXAMINATION RULES.

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RESOURCES

Other resources:

Web links:

<https://www.youtube.com/watch?v=lyGLUwzzJXg>
><https://www.youtube.com/watch?v=B66feInucFY>
><https://www.youtube.com/watch?v=o9cafTMTVzw>
><https://www.youtube.com/watch?v=UgXSrb51xG8>
><https://www.youtube.com/watch?v=pjfBPqQYtqI>
><https://www.youtube.com/watch?v=11oJTcU5Plw>
><https://www.youtube.com/watch?v=6SDFxGZ5fJw>
><https://www.youtube.com/watch?v=8Mt7wv7gRs0>
><https://www.youtube.com/watch?v=J1UUiMIe7E8>
><https://www.youtube.com/watch?v=FCggn0UXOe4>
><https://www.youtube.com/watch?v=HZJ6nr8V1CA>
><https://www.youtube.com/watch?v=VHAK-gU9qi0>
><https://www.youtube.com/watch?v=053AUUF4LGs>
><https://www.youtube.com/watch?v=v1HQJJGJVrc>
><https://www.youtube.com/watch?v=1aOdGf9IP7g>
><https://www.youtube.com/watch?v=eqwxOmBN2Bw>
><https://www.youtube.com/watch?v=kxoz32P3ByQ>
><https://www.youtube.com/watch?v=HkxVhFg81fs>
><https://www.youtube.com/watch?v=8yOltOSQ7OE>
><https://www.youtube.com/watch?v=TTbyXV4wyb0>
>https://www.youtube.com/watch?v=G5_eUeckhls
>https://www.youtube.com/watch?v=Li2fq_cd5pM&list=PL5GfAcw-SHiWcXT-KMOseJnCE-ZrKTWDq&index=5
><https://www.youtube.com/watch?v=2W35zX3ymfg>
><https://www.youtube.com/watch?v=nxoitvf1WDk>
><https://www.youtube.com/watch?v=40DnzhUovUs>
><https://www.youtube.com/watch?v=j2TrVz2b0Dg>
><https://www.youtube.com/watch?v=Fe44nFDPO5g> ><https://www.youtube.com/watch?v=vOVuCVJcFKg>
<https://www.youtube.com/watch?v=s6f7475DaYc>
><https://www.youtube.com/watch?v=OUf0qZJPuQM>
><https://www.youtube.com/watch?v=T9GFyZ5LREQ>
>https://www.youtube.com/watch?v=0vt8ct_bmdw
><https://www.youtube.com/watch?v=N48hBZnyN2o>
><https://www.youtube.com/watch?v=6z9qws7M8q8>
><https://www.youtube.com/watch?v=qvQ7Z6ZCxTc>
><https://www.youtube.com/watch?v=LLWCOcj3ATQ>
><https://www.youtube.com/watch?v=AMNKv-aq1ok>
><https://www.youtube.com/watch?v=4PmX2P2XXro>
><https://www.youtube.com/watch?v=RvwhWuh93mk>
><https://www.youtube.com/watch?v=u-z5139CW1I>
><https://www.youtube.com/watch?v=6XMuUVw7TOM>
>https://www.youtube.com/watch?v=4T_IO7Ocvqs
><https://www.youtube.com/watch?v=wQKThExxrc0>
><https://www.youtube.com/watch?v=ov-O8G2wlSc>
>https://www.youtube.com/watch?v=1E_Emd2DTs8
><https://www.youtube.com/watch?v=gEYmS26Gar4>
><https://www.youtube.com/watch?v=4Prc1UfuokY>
><https://www.youtube.com/watch?v=jZVNQXqYZuo>
><https://www.youtube.com/watch?v=pY00DzYd3Zc>
><https://www.youtube.com/watch?v=Bq7qIW0oQcg>
><https://www.youtube.com/watch?v=xopacUy4F0c>
><https://www.youtube.com/watch?v=OAjxhNeO990>
><https://www.youtube.com/watch?v=OLK6iiPtUU0>
><https://www.youtube.com/watch?v=3r4exU1rymg>
><https://www.youtube.com/watch?v=Z7biezXAMPu>
><https://www.youtube.com/watch?v=PDNGe60co4k>
><https://www.youtube.com/watch?v=HeTjBPbY70Y>
><https://www.youtube.com/watch?v=RXRU27LFBd0>
><https://www.youtube.com/watch?v=ccHZ5Drnb-w>
><https://www.youtube.com/watch?v=bLSpie75WsY>
><https://www.youtube.com/watch?v=f9Hg1x-Ctlw>
><https://www.youtube.com/watch?v=iS8RHuZDhS>
><https://www.youtube.com/watch?v=hQUaIc37LIU>
>https://www.youtube.com/watch?v=90OFZQx_7xI
><https://www.youtube.com/watch?v=JkmC575ix6w>



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/><https://www.youtube.com/watch?v=zDZ16R5DuSE>
/>https://www.youtube.com/watch?v=4_gvg1KNaeE y
<https://www.youtube.com/watch?v=-D8ZtfeKXjA> />

/><https://www.youtube.com/watch?v=ah0OkcuI0sg>
/><https://www.youtube.com/watch?v=j8Gpu1sdeQk>