Course guide
804224 - ACVJ - Concept Art

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

Degree: BACHELOR’S DEGREE IN VIDEO GAME DESIGN AND DEVELOPMENT (Syllabus 2014). (Compulsory subject).

Academic year: 2022  ECTS Credits: 6.0  Languages: Catalan, English

LECTURER

Coordinating lecturer: Elisabet Fonts
Others: Elisabet Fonts
Marian Company

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
1. Design, model, texturise and animate 2D and 3D objects, characters and scenes for inclusion in digital projects, audiovisual sequences and video games.
2. Master the wide range of professional tools in the sector for developing all kinds of digital content.
3. Schematically and visually represent complex concepts, ideas and/or data based on personal skills and external references, in order to convey attractiveness, originality and creativity.

Transversal:
4. EFFICIENT ORAL AND WRITTEN COMMUNICATION. Communicating verbally and in writing about learning outcomes, thought-building and decision-making. Taking part in debates about issues related to the own field of specialization.
5. SELF-DIRECTED LEARNING. Detecting gaps in one's knowledge and overcoming them through critical self-appraisal. Choosing the best path for broadening one's knowledge.
CT3. TEAMWORK: Being able to work in an interdisciplinary team, whether as a member or as a leader, with the aim of contributing to projects pragmatically and responsibly and making commitments in view of the resources that are available.

TEACHING METHODOLOGY

Personalized project monitoring. Master demo classes. Grafic documentation. Theory and practice in-class. In the projects development a 25% of time will be dedicated to the personalized monitoring and consulting of student's projects.
LEARNING OBJECTIVES OF THE SUBJECT

The subject main aim is that the student gets the necessary artistic and theoretic basics for the creation of concept design projects, as for the visual field as for the scripting and environment development. Acquiring the necessary habilites for doing the preprojects and aesthetical studies for de developing videogame.

- Show creativity in defining, creating or adapting the style of illustration and the most appropriate graphic style for the video game being developed.
- Show the ability to identify, differentiate and name the style of illustration and the corresponding graphic style of each video game and the ability to correctly apply the concepts, procedures, techniques and technologies and computer programs to illustrate video games.
- Show understanding of the language of representation systems in engineering and know how to put them into practice.
- Show skill in creating sketches and sketches.
- Show ability to analyze and correctly interpret plans of spaces, facilities and objects.
- Be able to use technologies and apply techniques using graphic representation computer programs.
- Show knowledge and know how to apply concepts related to flat and three-dimensional representation and to control the visualization of objects and scenes.
- Participate in teamwork and collaborate, once the collective and individual objectives and responsibilities have been identified, and jointly decide on the strategy to be followed.
- Identify information needs and use the collections, spaces and services available to design and carry out simple searches appropriate to the thematic field.
- Carry out assigned tasks in the scheduled time, working with the indicated information sources, in accordance with the guidelines set by the teaching staff.

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Guided activities</td>
<td>20,0</td>
<td>13.33</td>
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<tr>
<td>Self study</td>
<td>90,0</td>
<td>60.00</td>
</tr>
<tr>
<td>Hours large group</td>
<td>24,0</td>
<td>16.00</td>
</tr>
<tr>
<td>Hours medium group</td>
<td>16,0</td>
<td>10.67</td>
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</table>

Total learning time: 150 h
CONTENTS

1- Pencilling module - Basic principles of drawing.

Description:
Drawing introduction.
Drawing modes.
Isometrical perspective.
One vanishing point perspective.
Two vanishing points perspective.
Advanced perspective. 3 or 4 vanishing points.
Human body. Volume and foreshortening.

Related activities:
P5: Life Drawing.

Related competencies:
CEVJ 2. Schematically and visually represent complex concepts, ideas and/or data based on personal skills and external references, in order to convey attractiveness, originality and creativity.
CEVJ 8. Design, model, texture and animate 2D and 3D objects, characters and scenes for inclusion in digital projects, audiovisual sequences and video games.
07 AAT. SELF-DIRECTED LEARNING. Detecting gaps in one’s knowledge and overcoming them through critical self-appraisal. Choosing the best path for broadening one’s knowledge.

Full-or-part-time: 15h 30m
Practical classes: 1h
Guided activities: 4h 30m
Self study : 10h

2- Drawing module - Anatomy

Description:
- Looking for right references.
- Doing the character casting.
- Basic knowledge of face, hands, arms, body, shoulders, legs and feet.

Related activities:
P6: Anatomy.

Related competencies:
CEVJ 2. Schematically and visually represent complex concepts, ideas and/or data based on personal skills and external references, in order to convey attractiveness, originality and creativity.
CEVJ 8. Design, model, texture and animate 2D and 3D objects, characters and scenes for inclusion in digital projects, audiovisual sequences and video games.
07 AAT. SELF-DIRECTED LEARNING. Detecting gaps in one’s knowledge and overcoming them through critical self-appraisal. Choosing the best path for broadening one’s knowledge.

Full-or-part-time: 17h
Practical classes: 1h 30m
Guided activities: 5h 30m
Self study : 10h
3- Storytelling module.

Description:
- Introduction.
- Narrative compositions. Illustration, comic, storyboard?
- Shot types.
- Elypsis and closure.
- Elypsis types.
- Elypsis timeline.
- Texted compositions.

Related activities:
P3: Storytelling.
P4: Storyboarding.

Related competencies:
CEVJ 2. Schematically and visually represent complex concepts, ideas and/or data based on personal skills and external references, in order to convey attractiveness, originality and creativity.
CEVJ 8. Design, model, texture and animate 2D and 3D objects, characters and scenes for inclusion in digital projects, audiovisual sequences and video games.
07 AAT. SELF-DIRECTED LEARNING. Detecting gaps in one's knowledge and overcoming them through critical self-appraisal. Choosing the best path for broadening one's knowledge.

Full-or-part-time: 16h 30m
Practical classes: 1h
Guided activities: 5h 30m
Self study : 10h

4- Draing module - Full body compositions

Description:
- Basic knowledge.
- Pose sketching through hands and feet.
- Action lines.
- Pose sketching through character attitude.
- Full body volume sketching.
- Forceshortening and body balance sketching.

Related activities:
P6: Anatomy.

Related competencies:
CEVJ 2. Schematically and visually represent complex concepts, ideas and/or data based on personal skills and external references, in order to convey attractiveness, originality and creativity.
CEVJ 8. Design, model, texture and animate 2D and 3D objects, characters and scenes for inclusion in digital projects, audiovisual sequences and video games.
07 AAT. SELF-DIRECTED LEARNING. Detecting gaps in one's knowledge and overcoming them through critical self-appraisal. Choosing the best path for broadening one's knowledge.

Full-or-part-time: 16h 30m
Practical classes: 1h
Guided activities: 5h 30m
Self study : 10h
5- Concept creation module - Scripting through the characters

Description:
- Concept creation through characters scripting.
- Characters speed painting techniques in photoshop.

Related activities:
P7: Humanoid Creation.

Related competencies:
CEVJ 2. Schematically and visually represent complex concepts, ideas and/or data based on personal skills and external references, in order to convey attractiveness, originality and creativity.
07 AAT. SELF-DIRECTED LEARNING. Detecting gaps in one’s knowledge and overcoming them through critical self-appraisal. Choosing the best path for broadening one’s knowledge.

Full-or-part-time: 16h 30m
Practical classes: 1h
Guided activities: 5h 30m
Self study : 10h

6- Matte Painting Module - Matte Painting

Description:
- Matte Painting Technique.
- Equalizing sources for Matte Painting.
- Resolution.
- Contrast.
- Tone.
- Lightness.
- Postproduction strategies.

Related activities:
P2: Matte Painting

Related competencies:
CEVJ 2. Schematically and visually represent complex concepts, ideas and/or data based on personal skills and external references, in order to convey attractiveness, originality and creativity.
CEVJ 7. Master the wide range of professional tools in the sector for developing all kinds of digital content.
CEVJ 8. Design, model, texturise and animate 2D and 3D objects, characters and scenes for inclusion in digital projects, audiovisual sequences and video games.
07 AAT. SELF-DIRECTED LEARNING. Detecting gaps in one’s knowledge and overcoming them through critical self-appraisal. Choosing the best path for broadening one’s knowledge.

Full-or-part-time: 27h
Practical classes: 1h 30m
Guided activities: 5h 30m
Self study : 20h
<table>
<thead>
<tr>
<th>9- Concept art module - Concept art</th>
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<tbody>
<tr>
<td><strong>Description:</strong></td>
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<tr>
<td>- Concept art script creation.</td>
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<tr>
<td>- Characters and environments sheets creation.</td>
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<tr>
<td><strong>Related activities:</strong></td>
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<tr>
<td>P9: Concept art dosier.</td>
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<tr>
<td><strong>Related competencies:</strong></td>
</tr>
<tr>
<td>CEVJ 2. Schematically and visually represent complex concepts, ideas and/or data based on personal skills and external references, in order to convey attractiveness, originality and creativity.</td>
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</tr>
<tr>
<td>04 COE. EFFICIENT ORAL AND WRITTEN COMMUNICATION. Communicating verbally and in writing about learning outcomes, thought-building and decision-making. Taking part in debates about issues related to the own field of specialization.</td>
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<tr>
<td><strong>Full-or-part-time:</strong> 41h</td>
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<td>Practical classes: 12h</td>
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<tr>
<td>Guided activities: 9h</td>
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<tr>
<td>Self study : 20h</td>
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### ACTIVITIES

<table>
<thead>
<tr>
<th>P1: Anatomy dosier</th>
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<tbody>
<tr>
<td><strong>Description:</strong></td>
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<tr>
<td>Anatomy dosier creation.</td>
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<tr>
<td><strong>Full-or-part-time:</strong> 40h</td>
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<tr>
<td>Guided activities: 10h</td>
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<tr>
<td>Self study: 30h</td>
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<tr>
<th>P2: Lights and characters</th>
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<tbody>
<tr>
<td><strong>Description:</strong></td>
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<tr>
<td>Creation of a conceptual illustration according to the techniques explained in class</td>
</tr>
<tr>
<td><strong>Full-or-part-time:</strong> 16h</td>
</tr>
<tr>
<td>Guided activities: 4h</td>
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<tr>
<td>Self study: 12h</td>
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<table>
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<tr>
<th>P3: Matte Painting</th>
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<tbody>
<tr>
<td><strong>Description:</strong></td>
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<tr>
<td>Creation of a conceptual illustration according to the techniques of matte painting</td>
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<tr>
<td><strong>Full-or-part-time:</strong> 4h</td>
</tr>
<tr>
<td>Guided activities: 1h</td>
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<tr>
<td>Self study: 3h</td>
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**P4: Arbook**

**Description:**
Creating an art book for a video game

**Full-or-part-time:** 5h
Guided activities: 2h
Self study: 3h

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**GRADING SYSTEM**

The grades will be given by the assessment of the practices of each module and a final exam, with a weighting of:

<table>
<thead>
<tr>
<th>Module</th>
<th>Weighting</th>
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<tbody>
<tr>
<td>P1 - Anatomy</td>
<td>20%</td>
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<tr>
<td>P2 - Lights and color</td>
<td>15%</td>
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<tr>
<td>P3 - Environments with characters</td>
<td>10%</td>
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<tr>
<td>P4 - Final delivery artbook</td>
<td>30%</td>
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<tr>
<td>Partial exam</td>
<td>15%</td>
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<tr>
<td>Attitude and participated in class</td>
<td>10%</td>
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</tbody>
</table>

Students who fail will have the chance to take the reevaluation exam. The mark of this exam will replace the mark of the partial exam and, in case of passing the course, the maximum final mark will be 5.

**EXAMINATION RULES.**

Practices will be done during the personal working time and with brief revisions during the time in class, taking the support and consulting of the teacher that will try to bring the right focus in every one of the jobs.

**BIBLIOGRAPHY**

**Complementary:**

**RESOURCES**

**Audiovisual material:**
- Sketching from the imagination. [https://shop.3dtotal.com/books/3dtotalpublishing/sketching-from-the-imagination](https://shop.3dtotal.com/books/3dtotalpublishing/sketching-from-the-imagination)
- Sketching from the imagination - Fantasy. [https://shop.3dtotal.com/books/3dtotalpublishing/sketching-from-the-imagination-fantasy](https://shop.3dtotal.com/books/3dtotalpublishing/sketching-from-the-imagination-fantasy)
- Character Design. Character design: [https://shop.3dtotal.com/video-training/photoshop-videotraining/zillionarts-character-design](https://shop.3dtotal.com/video-training/photoshop-videotraining/zillionarts-character-design)
- Total Textures. [https://shop.3dtotal.com/total-textures/volumes-1-to-19](https://shop.3dtotal.com/total-textures/volumes-1-to-19)
- Beginner's guide to create Manga Art. [https://shop.3dtotal.com/books/3dtotalpublishing/beginners-guide-manga](https://shop.3dtotal.com/books/3dtotalpublishing/beginners-guide-manga)

**Hyperlink:**