



Curriculum Outline

The 1st Foundation Certificate in 3Ds Max Animation Design

19 Jan 2018 – 9 Feb 2018

Course Description

This course is a beginning course for 3D computer animation. It provides students the fundamental skills to produce 3D animation and the knowledge of basic principles of design and animation. Students will gain a broad overview of different techniques, principles and aesthetics, from the traditional to the digital. The course emphasises on learning through the physicality of the actual making process. Students produce creative works using a variety of techniques that include drawing frame by frame, cutout, rotoscoping and keyframing.

Course Objective

- To build a framework of skills and vocabulary to create 3D animation.
- To understand the fundamental components and their position in various 3D animation workflows.
- To apply theory and concept in 3D animation art-making.
- To aim at occupation within the advertising and animation industry.

Learning Outcomes

The following knowledge and skills will be acquired by the end of the course

| Knowledge: Students will have knowledge of... | Skills: Students will be able to... |
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| <ul style="list-style-type: none">• the principles of animation, the human body and the different animation techniques• computer animation concepts such as pre-production, production, postproduction, keyframing, in-betweens, character vs. effects animation, etc• various production workflows | <ul style="list-style-type: none">• Demonstrate skills in the use of standard tools for animation• Communicate ideas and narratives through creative works• Create simple computer generated animation |



Assessment

| | 50-59% (Level 1) | 60-69% (Level 2) | 70-79% (Level 3) | 80+% (Level 4) |
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| Knowledge and Understanding | | | | |
| | The student... | | | |
| Knowledge of methods and tools of animation production | demonstrates limited knowledge of methods and tools of animation production | demonstrates some knowledge of methods and tools of animation production | demonstrates considerable knowledge of methods and tools of animation production | demonstrates thorough knowledge of methods and tools of animation production |
| Understanding of key concepts, principles and theories | demonstrates limited understanding of key concepts, principles and theories | demonstrates some understanding of key concepts, principles and theories | demonstrates considerable understanding of key concepts, principles and theories | demonstrates thorough understanding of key concepts, principles and theories |
| Thinking | | | | |
| | The student... | | | |
| Use of planning skills (e.g., identifying the problem, selecting strategies and resources, scheduling) | uses planning skills with limited effectiveness | uses planning skills with some effectiveness | uses planning skills with considerable effectiveness | uses planning skills with a high degree of effectiveness |
| Use of processing skills (e.g., analysing and interpreting information, reasoning, generating and | uses processing skills with limited effectiveness | uses processing skills with some effectiveness | uses processing skills with considerable effectiveness | uses processing skills with a high degree of effectiveness |



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| evaluating solutions, forming conclusions) | | | | |
| Use of critical/creative thinking processes (e.g., problem-solving, design, and decision-making processes) | uses critical/creative thinking processes with limited effectiveness | uses critical/creative thinking processes with some effectiveness | uses critical/creative thinking processes with considerable effectiveness | uses critical/creative thinking processes with a high degree of effectiveness |
| Communication | | | | |
| | The student... | | | |
| Expression and organization of ideas and information (e.g., clear expression, logical organization) in visual and written forms | expresses and organizes ideas and information with limited effectiveness | expresses and organizes ideas and information with some effectiveness | expresses and organizes ideas and information with considerable effectiveness | expresses and organizes ideas and information with a high degree of effectiveness |
| Communication of practice-related problems and solutions with tutor/ classmates | communicates practice-related problems and solutions with limited effectiveness | communicates practice-related problems and solutions with some effectiveness | communicates practice-related problems and solutions with considerable effectiveness | communicates practice-related problems and solutions with a high degree of effectiveness |
| Application | | | | |
| | The student... | | | |
| Application of knowledge and skills (e.g., concepts, processes, use of equipment and | applies knowledge and skills in familiar contexts with limited effectiveness | applies knowledge and skills in familiar contexts with some effectiveness | applies knowledge and skills in familiar contexts with considerable effectiveness | applies knowledge and skills in familiar contexts with a high degree of effectiveness |

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| technology) in familiar contexts | | | | |
| Ability to apply the key concepts holistically and creatively on a multifaceted production | applies the key concepts holistically and creatively on a multifaceted production with limited effectiveness | applies the key concepts holistically and creatively on a multifaceted production with some effectiveness | applies the key concepts holistically and creatively on a multifaceted production with considerable effectiveness | applies the key concepts holistically and creatively on a multifaceted production with a high degree of effectiveness |