

## 3D Animation Introduction Live Online

### Course Description:

This is an introduction of Animating in 3D. The course covers animation principles and body mechanics animation introduction in 3D all delivered through online live session and recorded materials.

**Duration:** 9 Weeks

### Course Prerequisites:

This course is an introductory course and therefore doesn't need background.

### Course Outcomes

Students after this course will:

- ✓ Understand basic animation principles and apply in different 3D animation exercises
- ✓ Understand and apply the walk cycle in 3D Animation
- ✓ Learn how to present your animation work

**Course requirement:** In order to apply to this course you need to have

- Very good understanding of Arabic language
- Basic computer Skills
- Good internet Connection

### Course Contents

#### Week 1

##### Online Class

- Course Objective and introduction

##### Recorded Lessons

- Maya Animation Tools (Time Slider- Graph Editor – Animation Layers)
- Animation Script tools (Twin Machine – Studio Library)

#### Week 2

#### Recorded Lessons

- Animation Principles (Timing- Spacing – Arcs, ...)
- Bouncing Ball
- Different bouncing balls weights.

#### Online Class

- Bouncing ball in different weights (Student Reviews)
- Assignment Discussion

### Week 3

#### Recorded Lessons

- Animation Principles (Animation, Overlapping, Pose to pose)
- Overlapping Applications

#### Online Class

- Assignment Correction review
- Assignment Discussion

### Week 4

#### Recorded Lessons

- Animation Principles (Squash and Stretch, Secondary Action, exaggeration Appealing) •  
Foxtail Applications

#### Online Class

- Assignment Correction review
- Assignment Discussion

### Week 5

#### Recorded Lessons

- Anatomy for Animation
- Posing Characters

#### Online Class

- Assignment Correction review
- Assignment Discussion

### Week 6

#### Recorded Lessons

- Standard Walkcycle with a half man

#### Online Class

- Assignment Correction review
- Assignment Discussion

## Week 7

### Recorded Lessons

- Walk to Stop with half man
- Stylized Walk with half man

### Online Class

- Assignment Correction review
- Assignment Discussion

## Week 8

### Recorded Lessons

- Standard Walkcycle (Full body)

### Online Class

- Assignment Correction review
- Assignment Discussion

## Week 9

### Recorded Lessons

- Lighting with Viewport 2.5
- How to make a good demoreel

### Online Class

- Project Submission (Demoreels discussions)

## Course Policy

To complete this course you are required to

- Watch the recorded lessons, and submit your assignment at the online meeting class to discuss it.
- Submit final project at the end of the course