

COURSE DETAIL

3D MODELING AND ANIMATION

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

153

UCEAP Course Suffix**UCEAP Official Title**

3D MODELING AND ANIMATION

UCEAP Transcript Title

3D MODEL&ANIMATION

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course provides fundamental concepts in 3D modeling and animation. This course covers building or working with digital models, manipulating the models by means of computer deformation and animation, and using lighting and rendering techniques to create appealing scenes. Topics include coordinate spaces, transforms, 3D model representations, hierarchical structures, deformation, procedural modelling, particle systems, character animation, shading networks, lighting, and scripting concepts.

Language(s) of Instruction

English

Host Institution Course Number

CS3242

Host Institution Course Title

3D MODELING AND ANIMATION

Host Institution Course Details

<https://nusmods.com/modules/CS3242/3-d-modeling-and-animation>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

Course Last Reviewed

2022-2023

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