

COURSE DETAIL

DATA-DRIVEN COMPUTER ANIMATION

Country

Hong Kong

Host Institution

University of Hong Kong

Program(s)

University of Hong Kong

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

122

UCEAP Course Suffix**UCEAP Official Title**

DATA-DRIVEN COMPUTER ANIMATION

UCEAP Transcript Title

COMPUTER ANIMATION

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course covers the basics of character animation, keyframe animation, motion capture, inverse kinematics, and physically based character animation. Also the basics of physically-based animation, rigid body dynamics, point-based dynamics, hair animation, cloth simulation, facial animation, crowd simulation, mesh-shape editing, performance capture, skinning, data-driven character control, data-driven cloth animation, data-driven facial animation, and data-driven skinning. Prerequisite: COMP2119.

Language(s) of Instruction

English

Host Institution Course Number

COMP3360

Host Institution Course Title

DATA-DRIVEN COMPUTER ANIMATION

Host Institution Course Details

<https://csai.cds.hku.hk/>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computing & Data Science

Course Last Reviewed

2025-2026

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