

COURSE DETAIL

INTERACTIVE VISUALIZATION

Country

Korea, South

Host Institution

Korea University

Program(s)

Korea University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

125

UCEAP Course Suffix**UCEAP Official Title**

INTERACTIVE VISUALIZATION

UCEAP Transcript Title

INTERACTIVE VISUALI

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course covers basic data representations, algorithms, and applications for interactive visualization. The class mainly focuses on computer graphics and spatial data visualization.

Topics include Graphics systems, OpenGL basics, Transformations, Data acquisition, Data representation, Viewing, Lighting and shading, Shaders, Color models, Textures, Volume rendering, Surface visualization, Geometric processing, Image visualization, Advanced topics in visualization.

Language(s) of Instruction

English

Host Institution Course Number

COSE436

Host Institution Course Title

INTERACTIVE VISUALIZATION

Host Institution Course Details

<https://infodepot.korea.ac.kr>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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