

COURSE DETAIL

FUNDAMENTALS OF COMPUTER GRAPHICS

Country

China

Host Institution

Tsinghua University

Program(s)

Tsinghua University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

117

UCEAP Course Suffix**UCEAP Official Title**

FUNDAMENTALS OF COMPUTER GRAPHICS

UCEAP Transcript Title

COMPUTER GRAPHICS

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course gives an introduction to computer graphics, by integrating various skills in computer science such as programming and algorithm design. Students learn fundamental knowledge in computer science in terms of fancy graphics effects that reduce the learning load through OpenGL source code. The content of this course includes raster graphics, interactive graphics, matrix representation of 3D transformation, ray tracing and visual realism.

Language(s) of Instruction

English

Host Institution Course Number

80240593

Host Institution Course Title

FUNDAMENTALS OF COMPUTER GRAPHICS

Host Institution Campus

Tsinghua university

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Computer Science and Technology

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