

## COURSE DETAIL

### COMPUTER GRAPHICS, VISUALIZATION AND MODELING FOR ENGINEERS

**Country**

Chile

**Host Institution**

University of Chile

**Program(s)**

University of Chile

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Engineering

**UCEAP Course Number**

108

**UCEAP Course Suffix****UCEAP Official Title**

COMPUTER GRAPHICS, VISUALIZATION AND MODELING FOR ENGINEERS

**UCEAP Transcript Title**

CP MODELING/ENGRS

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

**Course Description**

This course provides a study of graphic software techniques and methods used to approach interdisciplinary problems in engineering and the physical sciences. It covers methods for modeling, solving, and visualizing computational problems involving complex geometries/ three dimensional figures and their associated data using programs such as OpenGL, MATLAB, Python, and other specific software (CAD and Solid Edge).

**Language(s) of Instruction**

Spanish

**Host Institution Course Number**

CC3501-1

**Host Institution Course Title**

COMPUTER GRAPHICS, VISUALIZATION AND MODELING FOR ENGINEERS

**Host Institution Campus**

Campus Beaucheff

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

Facultad de Ciencias Fisicas y Matematicas

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