

## COURSE DETAIL

### COMPUTER GRAPHICS II (GEOMETRIC MODELING)

**Country**

Germany

**Host Institution**

Technical University Berlin

**Program(s)**

Technical University Berlin

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

123

**UCEAP Course Suffix**

A

**UCEAP Official Title**

COMPUTER GRAPHICS II (GEOMETRIC MODELING)

**UCEAP Transcript Title**

COMP GRAPHICS II

**UCEAP Quarter Units**

5.50

**UCEAP Semester Units**

3.70

### **Course Description**

The course introduces the basics of Geometry Processing. It presents mathematical models, data structures and algorithms to represent geometry on modern computer applications, and these are manipulated through practical exercises. The techniques seen in the course are fundamental for applications like 3D modeling, geometry reconstruction from scanned objects, and physical simulation.

### **Language(s) of Instruction**

English

### **Host Institution Course Number**

0433 L 357

### **Host Institution Course Title**

COMPUTER GRAPHICS II (GEOMETRIC MODELING)

### **Host Institution Campus**

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

Institut für Technische Informatik und Mikroelektronik

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