

# COURSE DETAIL

## ANALYSIS I

**Country**

Hong Kong

**Host Institution**

University of Hong Kong

**Program(s)**

University of Hong Kong

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mathematics

**UCEAP Course Number**

134

**UCEAP Course Suffix**

A

**UCEAP Official Title**

ANALYSIS I

**UCEAP Transcript Title**

ANALYSIS

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

### **Course Description**

This course examines basic properties of metric spaces; openness; closedness; interior; closure; derived set; boundary; compactness; completeness; continuity; connectedness; pathwise connectedness; uniform continuity; uniform convergence; and Banach's fixed point theorem.

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

English

### **Host Institution Course Number**

MATH3401

### **Host Institution Course Title**

ANALYSIS I

### **Host Institution Course Details**

[http://webapp.science.hku.hk/sr4/servlet/enquiry?Type=Course&course\\_code=MATH34...](http://webapp.science.hku.hk/sr4/servlet/enquiry?Type=Course&course_code=MATH34...)

### **Host Institution Campus**

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

Mathematics

### **Course Last Reviewed**

2024-2025

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