

# COURSE DETAIL

## INTRODUCTION TO NUMBER THEORY

**Country**

United Kingdom - Scotland

**Host Institution**

University of Edinburgh

**Program(s)**

University of Edinburgh

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mathematics

**UCEAP Course Number**

146

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

INTRODUCTION TO NUMBER THEORY

**UCEAP Transcript Title**

INTRO NUMBER THEORY

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70

## Course Description

The main theme of the course is the interplay between Number Theory and rings. Students need to be familiar with the basics of prime numbers, unique factorization of integers and modular arithmetic. This is an advanced course with Fundamentals of Pure Mathematics as a prerequisite.

### Language(s) of Instruction

English

### Host Institution Course Number

MATH10071

### Host Institution Course Title

INTRODUCTION TO NUMBER THEORY

### Host Institution Course Details

<http://www.drps.ed.ac.uk/23-24/dpt/cxmath10071.htm>

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Mathematics

### Course Last Reviewed

2023-2024

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