COURSE DETAIL

INTRODUCTION TO NUMBER THEORY
Country United Kingdom - England
Host Institution King's College London
Program(s) King's College London
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 141
UCEAP Course Suffix
UCEAP Official Title INTRODUCTION TO NUMBER THEORY
UCEAP Transcript Title INTRO NUMBER THEORY
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
This course provides an introduction to elementary number theory and to further develop the algebraic techniques met in "Introduction to Abstract Algebra" (is this italicized or in quotes... seems like the name of a book?). This course prepares students for more demanding modules in number theory and algebra by introducing several new concepts in the concrete setting of rational integers. This course includes a review of divisibility, prime numbers and congruences; residue class rings, Euler's f-function, and primitive roots; quadratic residues and quadratic reciprocity law; irrational and transcendental numbers, sums of squares; and some Diophantine equations.

Language(s) of Instruction
English

Host Institution Course Number
5CCM224A

Host Institution Course Title
INTRODUCTION TO NUMBER THEORY

Host Institution Course Details
https://www.kcl.ac.uk/abroad/module-options/module.aspx?id=51976719-df99-40af-8...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed
2024-2025

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