COURSE DETAIL

INTRODUCTION TO MULTIVARIABLE CALCULUS
Country Hong Kong
Host Institution Hong Kong University of Science and Technology (HKUST)
Program(s) Hong Kong University of Science and Technology
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 111
UCEAP Course Suffix
UCEAP Official Title INTRODUCTION TO MULTIVARIABLE CALCULUS
UCEAP Transcript Title MULTIVARIABLE CALC
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description
This course examines the core ideas and concepts and principles of limits, differentiation, and integration of functions in multiple variables, vector analysis. It teaches students to apply the rigorous, analytical and numeric approach to analyze and solve problems using concepts of multivariable calculus. Course topics include: differentiation in several variables, with applications in approximation, maximum and minimum, and geometry, integration in several variables, vector analysis.

Language(s) of Instruction
English

Host Institution Course Number
MATH2011

Host Institution Course Title
INTRODUCTION TO MULTIVARIABLE CALCULUS

Host Institution Course Details

Host Institution Campus
HKUST, Science

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed

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