# COURSE DETAIL

| INTRODUCTION TO OPTIMIZATION |
| --- |
| **Country**<br>Hong Kong |
| **Host Institution**<br>University of Hong Kong |
| **Program(s)**<br>University of Hong Kong |
| **UCEAP Course Level**<br>Upper Division |
| **UCEAP Subject Area(s)**<br>Mathematics |
| **UCEAP Course Number**<br>121 |
| **UCEAP Course Suffix** |
| **UCEAP Official Title**<br>INTRODUCTION TO OPTIMIZATION |
| **UCEAP Transcript Title**<br>INTRO OPTIMIZATION |
| **UCEAP Quarter Units**<br>5.00 |
| **UCEAP Semester Units**<br>3.30 |

**Course Description**

This course examines the theory and techniques of optimization. It covers unconstrained and constrained optimization; necessary conditions and sufficient conditions for optimality, convexity, duality; and algorithms and numerical examples.

**Language(s) of Instruction**
English

**Host Institution Course Number**
MATH3904

**Host Institution Course Title**
INTRODUCTION TO OPTIMIZATION

**Host Institution Course Details**

**Host Institution Campus**

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**

**Course Last Reviewed**
2023-2024

Print