COURSE DETAIL

FUNCTIONS OF COMPLEX VARIABLES

Country
China

Host Institution
Fudan University

Program(s)
Fudan University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Mathematics

UCEAP Course Number
106

UCEAP Course Suffix

UCEAP Official Title
FUNCTIONS OF COMPLEX VARIABLES

UCEAP Transcript Title
COMPLEX VARIABLES

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description

The basic content of the course includes complex planes and extended complex planes, Cauchy-Riemann equations and holomorphic functions, fractional linear transformations and basic elementary functions, single-valued branches of complex integrals and multivalued functions, Cauchy integral theory, power series and Laurent levels Number, isolated singularity and residue theorem, biholomorphic mapping and Riemann mapping theorem, preliminary analysis and extension, etc.

Language(s) of Instruction
Chinese

Host Institution Course Number
MATH130006

Host Institution Course Title
FUNCTIONS OF COMPLEX VARIABLES

Host Institution Course Details

Host Institution Campus

Host Institution Faculty
Weiyuan Qiu

Host Institution Degree

Host Institution Department
Math

Course Last Reviewed
2020-2021

Print