COURSE DETAIL

STATISTICAL MATHEMATICS

Country
Korea, South

Host Institution
Korea University

Program(s)
Korea University

UCEAP Course Level
Lower Division

UCEAP Subject Area(s)
Statistics

UCEAP Course Number
21

UCEAP Course Suffix

UCEAP Official Title
STATISTICAL MATHEMATICS

UCEAP Transcript Title
STATISTICAL MATH

UCEAP Quarter Units
4.50

UCEAP Semester Units
3.00

Course Description

This course introduces the subject of calculus, including the study of limits and derivatives, and their applications, which is essential and crucial for advanced statistic courses, such as probability theory, mathematical statistics. Specific topics include the limits of functions, derivatives of algebraic, trigonometric, exponential and logarithmic functions and their inverses and the definite integral and its application to area problems. Also, included are applications of the derivative including maximum and minimum problems, and curve sketching using calculus, techniques of integration, indeterminate forms and infinite series.

Language(s) of Instruction
English

Host Institution Course Number
STAT201

Host Institution Course Title
STATISTICAL MATHEMATICS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Statistics

Course Last Reviewed
2021-2022

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