

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 Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Statistics

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