COURSE DETAIL

PROBABILITY AND STATISTICS
Country Taiwan
Host Institution National Taiwan University
Program(s) National Taiwan University
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Statistics Mathematics
UCEAP Course Number 27
UCEAP Course Suffix
UCEAP Official Title PROBABILITY AND STATISTICS
UCEAP Transcript Title PROBABILITY & STATS
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course covers the theory, models, and analysis of probability and basic statistics and their applications with emphasis on electrical and computer engineering problems. The main topics are: Experiments, Model, and Probabilities, Random Variables, Random Variables and Expected Value, Random Vectors, Sums of Random Variables, Parameter Estimation Using the Sample Mean, and Hypothesis Testing. Text: R.D. Yates and D.J. Goodman, PROBABILITY AND STOCHASTIC PROCESSES. Assessment: midterm exam (35%), final exam (35%), homework and problems (25%), participation (5%).

Language(s) of Instruction

Host Institution Course Number
EE2007

Host Institution Course Title
PROBABILITY AND STATISTICS

Host Institution Course Details
https://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=901%2021000&c...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Electrical Engineering

Course Last Reviewed
2022-2023

Print