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 Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Electrical Engineering

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