



UM201 August 3:0

Probability and Statistics

Instructor

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Teaching Assistant

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Department: UG

Course Time: Mon., Tue., Thu., 9:30 - 10:30
Lecture venue: LH - 12, Old Physics Building
Detailed Course Page:

Announcements

Brief description of the course

Introductory course on probability and statistics. It introduces probability, random variables, moments, limit theorems. Basic statistics including sampling, estimation of parameters, hypothesis testing.

Prerequisites

Basic Calculus

Syllabus

Probability axioms, condition probability and Bayes theorem, random variables, moments, conditional expectation, limit theorems. Basic statistics including sampling, estimation of parameters, hypothesis testing, regression analysis.

Course outcomes

Basic notion of probability and statistical methods.

Grading policy

Quiz on assignments: 20%, Midterm examination: 30%, Final Examination: 50%.

Assignments

Total 12 sets of Exercise, each typically has about 10 problems.

Resources

Sheldon Ross: Introductory Probability; Sheldon Ross: Probability and Statistics for Engineers (both prescribed text books).