SPRING 2024 - STAT 285 D100

INTERMEDIATE PROBABILITY AND STATISTICS (3)

Class Number: 2789   Delivery Method: In Person

COURSE TIMES + LOCATION:

Jan 8 – Apr 12, 2024: Wed, 3:30–4:20 p.m.
Burnaby

Jan 8 – Apr 12, 2024: Fri, 2:30–4:20 p.m.
Burnaby

EXAM TIMES + LOCATION:

Apr 23, 2024
Tue, 3:30–6:30 p.m.
Burnaby

INSTRUCTOR:

Scott Pai
scpai@sfu.ca

PREREQUISITES:

STAT 270 and one of MATH 152, MATH 155, or MATH 158, all with a minimum grade of C-.

Description

CALENDAR DESCRIPTION:

This course is a continuation of STAT 270. Review of probability models. Procedures for statistical inference using survey results and experimental data. Statistical model building. Elementary design of experiments. Regression methods. Introduction to categorical data analysis. Quantitative.

COURSE DETAILS:

Review of STAT 270 Material on Probability and Distributions
Parameter Estimation - Method of Moments and Likelihood Estimation
Hypothesis Testing
Introduction to Analysis of Variance
Introduction to Regression Analysis
Selected Topics, such as Categorical Analysis, Nonparametric Inference, and Quality Control

Grading

Assignments	15%
Midterm 1	20%
Midterm 2	20%
Final Exam	45%

NOTES:
Above grading is subject to change.

Materials

Required Textbook:

Probability and Statistics for Engineering and the Sciences (9th ed.) by Jay L. Devore. Publisher: Duxbury Press

Book is available through the