Course:	MATH 3P82 (Regression Analysis)		
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Topics to be covered

- Multiple linear regression: Multivariate Normal distribution, partial correlation coefficient, Regression coefficient estimation, Redundancy test, Stepwise regression.

Polynomial regression: Coefficient estimation, Optimal model.

Indicator variables and their use in regression analysis.

Nonlinear regression: Model building, Levenberg_Marquardt technique.

Robust regression: Laplace and Cauchy distributions.

Time series: Markov and Yule models.

Marking Scheme:	Assignments	-	30%
	Two Midterms	-	15% each
	Final Exam	-	40%