Department of Finance and Banking
Jatiya Kabi Kazi Nazrul Islam University
Course Code: FB 109
Course Title: Applied Business Mathematics

Course Teacher: Chandon Kumar Pal, Assistant Professor, Department of Finance and Banking, Jatiya Kabi Kazi Nazrul Islam University, Trishal, Mymensingh.

Class Schedule: Sunday (9:30am-10:50am) and Thursday (11:00am-12:20pm)

Class Room Number: 303

Course Objective: The course aims at making students familiar with practical mathematical operation in business. This course equips students to understand the application of mathematical formula for solving the real world business problems.

Chapter	Number of classes	Content
1	2	Introduction to calculus
2	4	Differential calculus (Concept of derivative)
3	4	Differential calculus application in business problems
4	2	Integral calculus
5	3	Integral calculus application in business problems
6	3	Linear Programming
7	3	Matrix algebra
8	4	Matrix algebra application in business problems
9	2	Mathematics for finance (Compounding, Discounting)
Additional materials	4	Business mathematical problems: Annuity, Loan installment, Equilibrium, Cost analysis- Average cost, Marginal cost, Salary etc.

Required Text: Business Mathematics by Sancheti, D.C. & Kapoor, V.K., Latest Edition (Revised Edition).

Reference Book: Mathematics with Application for Business and Economics by Bowen, E.K., Latest Edition.

Evaluation:

First Midterm	10%
Second Midterm	10%
Assignment, Report and Presentation	10%
Attendance	10%
Final Examination	60%
Total	100%

N.B.:

1. No makeup midterm will be taken.

2. Additional materials will be provided in the class.

3. A formal report will have to prepare for this course.

4. A multimedia presentation will be held for each group.

Study for learning. Best Wishes.