

Department of Finance and Banking
Jatiya Kabi Kazi Nazrul Islam University

Course Code: FB 511

Course Title: Quantitative Business Analysis

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

Class Schedule: Monday (11:00am-12:20pm) and Tuesday (12:30pm-1:50pm)

Class Room Number: 304

Course Objective: The core objective of this course is to know the scientific approaches to decision making when solving business problems. It helps to determine the efficient use of limited resources in maximizing some measures of benefits by using the graphical method or algebraic method.

Chapter	Number of classes	Content
1	1	Introduction to Quantitative Analysis
3	2	Decision Analysis
6	3	Inventory Control Models
7,8	6	Linear Programming
9	4	Transportation and Assignment Models
10	5	Integer Programming, Goal Programming and Non-linear Programming
12	3	Project management (PERT, CPM)
14	3	Simulation Modeling
15	2	Markov Analysis
Additional Material	2	Linear Programming, Game Theory and Others.

Required Text:

Quantitative Analysis for Management by Barry Render, Ralph M. Stair, Jr. Michael E. Hanna, T.N. Badri (Eleventh Edition- Pearson).

Reference Book:

1. Introduction to Operation Research by Hiller, F.S., Liberman, G.J.
2. An Introduction of Management Science by Anderson, D.R., Sweeney, D.J., Williams, T.A.

Marks Distribution:

First Midterm	5%
Second Midterm	5%
Assignment-1 (Financial Terms)	10%
Assignment-2 (Problem Solving)	5%
Report	5%
Presentation	5%
Attendance	5%
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.