UNIVERSITY OF DELHI
DEPARTMENT OF ECONOMICS
UNIVERSITY OF DELHI

Subject: B.A.(H) ECONOMICS DSC
Sem.: II
Course & Code: Intermediate Mathematical Methods for Economics ECON005 Credit: 4
Duration (per week): 4 hours (3 lectures + 1 tutorials)
Date & Time 28/11/2024 at 3:00 PM
Venue: Online (using Google Meet)
Convenor: Sugata Bag/ Sandip Datta
College Teachers attended:

Sl. No.	Teachers Name College
1	Madhuri Singh
2	Ms Akansha
3	Deepali Rajput
4	Naresh Malik
5	Ms Neha
6	Nidhi Pande
7	Ranjan Swarnakar
8	Ravinder Meena
9	Swagat Rout
10	Shruti Goyal
11	Anurag Kakkar
12	Ravinder Ram
13	Preeti Mann
14	Niti Khandelwal
15	Chetan Kumar

The committee discussed and agreed upon the following points.

A. There will be no change in the syllabus coverage. However, it is to be reiterated that the following sections/results were decided to be **deemphasized** from the syllabus for students as treatments of these topics in the book (Sysaeter and Hammond, 2002) are inadequate or not suitable:

- Section 13.3 (Determinants of order *n*)
- Proof of Theorem 13.3 (Rules for Determinants), though the statement of the theorem should be retained.
- Proof of Formula 13.19 (Cofactor expansion of determinants of order n). •

Example. 15.27 (Linear Regression).

- Sections 16.6 and 16.7 on Leibniz's Formula
- Section 16.10 (Implicit Function Theorem).
- The Continuous version of Jensen's inequality (Pg. 643-44).
- Section 14.6 (Spectral Theorem)

To be noted that this was decided in the previous meeting (held on 23-01-2024)

B. Suggested teaching hours and the weightage for broad two parts of the course are as follows:

	Teaching Hours	Weightage
Calculus	25 hrs	around 55%
Linear Algebra	22 hrs	around 45%

C. The structure of the final term examination paper will be simplified (by removing the sections that were followed earlier), and, from now on, there will be a total of 10 questions, out of which students are supposed to answer any 9.

D. The examination paper will feature questions of diverse complexity levels, from simple to advanced. Each question may preferably have up to two parts.

E. Internal Assessment (30 marks) will comprise of 6 marks for attendance, and two class tests (worth 12 marks each).

F. Continuous Assessment (40 marks) will comprise of 5 marks for attendance and 35 marks for two in-class quizzes and assignments.

G. The book titled, "Linear Algebra and its Applications" (4^{th} edition, 2012) by David Lay may be continued with as a reference for teachers and not for students for the current academic session.