2nd Board of Studies (BOS) Meeting

Department of Mathematics
Darrang College.

Date: 24-12-2025 (Wednesday)

On 24th Dec, 2025, Dept of Mathematics has conducted 2nd BOS Meeting at the Dept Conference Room, where all the Board members were present and syllabus of FYUGP Darrang college (Autonomous) was reccomended and discussed by them.

1. Bipan Hazarika
2. Shuvam Sen
3. Jayanta Borah
4. Gautam Kalita
5. Amit Raj Konwar
6. Ranjit M. Misra
7. Dr Banali Dev Deka
8. Dr. Mami Sharma.
9. Bhargab Madhukalya.

* The reccomendation and resolutions taken are attached herewith.

Head
Department of Mathematics
Darrang College, Tezpur

26/12/25

Department of Mathematics
Darrang College (Autonomous), Tezpur
Resolutions taken on 2nd BOS Meetings (Offline)
Date: 24th December, 2025

Semester-I

1. Rename the paper MAT-MJ/MN-01014: Algebra as MAT-MJ/MN-01014: Algebra-I
2. Complex Analysis portion of Unit-I of MAT-MJ/MN-01014: Algebra-I to be removed and introduced in MAT-MJ-06014: Complex Analysis-I as Unit-I.
   Also, rearrange the units as:
   Unit-IV➔Unit-I
   Unit-III➔Unit-II
   Unit-II➔Unit-III
   Unit-I➔Unit-IV

Semester-II

1. Unit-I: Infinite Series of MAT-MJ-04014: Theory of Real Functions to be introduced in MAT-MJ/MN-02014: Calculus as Unit-III.
2. Unit:II of MAT-MJ/MN-02014: Calculus to be focused only on Sequences.
3. Unit:III changed to Unit-IV, also remove the portion from partial differentiation.
4. Unit-IV to be shifted to MAT-MJ-05024: Real Analysis

Semester-III

1. Rearrange the units of MAT-MJ-03014:Ordinary Differential Equations as per the book by Shepley L. Ross [Differential Equations (3rd Ed.), John Wiley & Sons,Inc., (1984)] as follows:
   Chapter 1 &2, Homogeneous ODE➔ Unit I
   Chapter 4➔ Unit-II
   Chapter 3 & Chapter 5 (few sections)➔ Unit-III
2. Unit-IV(Rings) of MAT-MJ-03024: Abstract Algebra to be removed and introduced in MAT-MJ-07014: Algebra-II.

Semester-IV

1. Introduce MAT-MJ-04034: Analytical Geometry as Minor course.
2. Prime numbers to be introduce in Unit-II of MAT-MJ-04044: Number Theory-I.

Semester-V

1. In MAT-MJ-05014: Multivariate Calculus, include Euler's Theorem for Homogeneous Equations, Total derivatives.
2. Include Riemann Integration (Unit-I of MAT-MJ-07024) as Unit-I in MAT-MJ-05024: Real Analysis.
3. In MAT-MJ-05024: Real Analysis, include Weirstrass M-Test, Power Series and its convergence, Able's Theorem, Tobar's Theorem (statement and related problems).

4. Rearrange the contents of MAT-MJ-05034: Numerical Analysis-I as per CBCS syllabus.

Semester-VI

1. Include the complex numbers portion of Unit-I of MAT-MJ/MN-01014 to Unit-I of MAT-MJ-06014: Complex Analysis-I.
2. MAT-MJ-06024: Partial Differential Equations is rearranged and Reference books are modified.
3. Units, sections, marks, classes are rearranged in MAT-MJ-06044: Classical Mechanics.

Semester-VII

1. Unit-IV(Rings) of MAT-MJ-03024: Abstract Algebra to be introduced in MAT-MJ-07014: Algebra-II as Unit-II. Unit IV to be removed.
   Unit-II➔Unit-III
   Unit-III➔Unit-IV
2. MAT-MJ-07024: Riemann Integral and Lebesgue Measure is removed and Functional Analysis is introduced. The detailed syllabus to be framed by Dr. Bipan Hazarika, Professor, GU.
3. MAT-MJ-07044: Differential Equations is removed and Mathematical methods (MAT-MJ-08044) is introduced.

Semester-VIII

1. In 8th Sem, in lieu of Mathematical methods paper(which is shifted to 7th Sem), paper titled "Lebesgue Measure and Probability Theory" to be introduced. Detailed syllabus to be framed by Dr. Bipan Hazarika, Professor, GU.

General recommendations:

- The experts emphasized on offering Optional/Elective papers in 7th and 8th Semesters. The following paper were suggested:
  (a) Graph theory (b) Optimization Techniques (c) Combinatorics
  (d) Discrete Mtahematics (e) Financial Mathematics (f) Bio-Mathematics
  (g) Algebraic Number Theory
- In each paper/course, Pre-requisites must be included.