DSE: Advanced Mathematical Physics - I
(32227502)
Credit:6 (Theory-4, Practical-2)
THEORY : 60 Hours

Guidelines for Advanced Mathematical Physics - I

Course Objective

The course is intended to impart the concept of generalized mathematical constructs in terms of Algebraic Structures (mainly Vector Spaces) and Tensors to have in-depth analysis of our physical system.

Course Learning Outcomes

- Demonstration of Algebraic Structures in n-dimension. Application of Vector Spaces & Matrices in the quantum world.
- We understand how to express the mathematical equations for the Laws of Physics in their co-variant forms.
- We understand how to express a mathematical equation concerned with an event compatible with the physical system.