Course Title: Mathematics for Data Science			
Course code:	No. of credits: 4	L-T-P: 45-15-0	Learning hours: 60
		L: Lectures; T: Tutorials; P: Practicals	
Pre-requisite course code and title (if any): None			
Department: Natural and Applied Sciences			
Course coordinator:		Course instructor:	
Contact details:			
Course type: Core		Course offered in: Semester 1	

Course Description

The course is intended to act as a foundational course for other courses that are offered as part of the bachelor's degree in data science that require a strong mathematical background. It will give an overview of the fundamental mathematical methods used for investigating environmental data.

Course objectives

The course aims to build conceptual understanding and applied skills in said mathematical domains of linear algebra – matrices, determinants and vector spaces; calculus – differential and integral calculas; and differential equations.