

<b>Course title:</b> Applied Mathematics			
<b>Course code:</b> NRE 113	<b>No. of credits:</b> 3	<b>L-T-P:</b> 33-12-0	<b>Learning hours:</b> 45
<b>Pre-requisite course code and title (if any):</b> For students who have not done courses in mathematics at 10+2/bachelor's level, a boot camp of 2 weeks will be held in the beginning of each academic session. Passing the course will be a mandatory requirement for such candidates, prior to registration for the programme.			
<b>Department:</b> Natural and Applied Sciences			
<b>Course coordinator:</b> Dr Amit Singh		<b>Course instructor:</b>	
<b>Contact details:</b>			
<b>Course type:</b> Audit		<b>Course offered in:</b> Semester 1	
<b>Course Description</b> The course is designed to serve as a foundation course in order to meet the requirement of mathematical knowledge in various subsequent courses offered in the master's degree program.			
<b>Course objectives</b> The course aims to build conceptual understanding and applied skills in said mathematical domains of Trigonometry, Algebra, Limits and Continuity, Calculus, and Differential equations. This is achieved inter-alia by engaging the students.  The student will be able to <ul style="list-style-type: none"> <li>• Appreciate quantitative aspects in decision making using deterministic and stochastic tools.</li> <li>• Comprehend the key concepts and methods of said domains.</li> <li>• Develop the problem solving approach in the said domains.</li> </ul>			