

Course Title: Advance Climate Modelling			
Course Code: NRC 172	No. of Credits: 3	L-T-P: 25-13-14	Learning Hours: 45
Pre-requisite Course Code and Title (if any): Introduction to Climate Modelling (Sem 2)			
Department: Natural and Applied Sciences			
Course Coordinator:		Course Instructor:	
Contact Details:			
Course Type: Elective		Course Offered In: Semester 3	
Course Description On completion of this course, students should be able to understand fundamental principles of climate modelling architecture, their physics and dynamics, their bias methodology and their practical usability. The course explains how climate models work and operate under various uncertainty and constraints. The course would also have hands on activity on using the models and generating and analyzing climate data for further usage.			
Course Objectives <ul style="list-style-type: none"> • Introduce students to the practical usability of climate models • Understand the structure and usage of various data products in climate sciences • Become mindful of the necessary technical know-how of running, testing and evaluation a climate model dataset. 			