

Course Title: Climate Change and Disaster Risk Reduction			
Course Code: NRC 162	No. of Credits: 3	L-T-P: 33-12-0	Learning Hours: 45
Pre-requisite Course Code and Title (if any):			
Department: Natural and Applied Sciences			
Course Coordinator:		Course Instructor: Dr Amit Singh	
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Course Type: Elective		Course Offered In: Semester 3	
Course Description			
<p>Climate change is known to increase disaster intensities and frequency by aggravating hazards and the factors determining vulnerability of environment, inhabiting communities and their resources. There has been a paradigm shift in approach to disaster management from response and relief centric to risk management centric, and thus, calling integration of climate change adaptation and sustainability concerns along DRR into developmental process. This course introduces the concepts, tools, methods for disaster risk management, specifically for climate and weather-related disasters; role of policies and frameworks at international, national and sub-national contexts, with focus on emerging issues and recent developments. Students are expected to attend the class after going through the reference reading materials, and participate in the guided exercises (tutorials) and undertake assignments in order to enable relevant knowledge base on the subject.</p>			
Course Objectives			
<ul style="list-style-type: none"> • To provide a systematic knowledge base on disaster typology, risk, vulnerability, their impacts and concerns to growing hydro-met disasters, • To comprehend on approaches and measures of disaster management, preparedness and response, and related policies, law and methods, • To enumerate on possible pathways, tools and options for CCA-DRR and sustainability mainstreaming through developmental planning at sectors, department or local levels, and activities 			