

Course title: Environmental Health and Risk Assessment			
Course code: NRE 144	No. of credits: 3	L-T-P: 31-14-0	Learning hours: 45
Pre-requisite course code and title (if any):			
Department: Natural and Applied Sciences			
Course coordinator(s): Dr Amit Singh		Course instructor(s): Dr Amit Singh	
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Course type: Elective		Course offered in: Semester 2	
<p>Course description</p> <p>The Environmental Health Risk Assessment course provides students with the technical and policy knowledge required to identify, assess and address important and emerging environmental health issues to reduce environmental risks to public health.</p> <p>The course is structured primarily on the EPA structures of assessment which is known as the most conservative method of qualitative and quantitative risk calculation. While the assessment frameworks are primarily international, Indian contexts will be explored through the case study should students wish to pursue it within national regulation.</p>			
<p>Course objectives</p> <ul style="list-style-type: none"> • Develop a basic understanding of environmental health and risk assessment and its role within the risk management process. • Develop a basic understanding of how to assess impact of pollution such as air pollution, water pollution on environment and human health. • To learn about different risk assessment formats and their use in environmental health studies • To learn about hazard identification and dose response calculations • To understand and use epidemiological data, case study analysis to understand various methods of risk assessment 			