

## A. Ph.D. ENVIRONMENTAL SCIENCE

### Program Objectives

1. To create a researcher focused on interdisciplinary socio-ecological issues and application of sustainable approaches for addressing environmental concerns and challenges.
2. To train and provide hands-on training to students in modern tools and techniques to address environmental issues.
3. To prepare future manpower for designing, conducting independent research in the area of their interest.

### Program Outcomes

After successful completion of the program, the student will be

1. Able to work on various interdisciplinary aspects of the environment for sustainable development of society.
2. Able to handle recent tools and techniques to find the solution for various environmental challenges.
3. Able to work as an independent researcher to work for society and contribute to solutions to the environmental challenges.

## Central University of Rajasthan School of Earth Sciences Ph.D. Environmental Science

### Course Structure

No	Course Code	Title of the course	Type of Course	Credits
1	ENV701	Research Methodology	Core	4
2	ENV702	Research and Publication Ethics	Core	2
3	EDU705	Pedagogy for Higher Education	Core	3
4	ENV703	Practice based Teaching Skills	Core	3
5	ENV731	Research Review Writing and Seminar	Elective	3
6	ENV732	Advance Analytical Techniques	Elective	3
7	ENV733	Water Resources and Climate Change	Elective	3
8	ENV734	Air Pollution, Monitoring, Control and Effects	Elective	3
9	ENV735	Environmental Microbiology & Biotechnology	Elective	3
10	ENV736	Nanotechnology: Environmental Applications	Elective	3
11	ENV737	Geospatial Technology for Environmental Management	Elective	3
12	ENV738	Advances in Glaciology	Elective	3

Total Credit Requirement: 21 (12 credits core courses + 9 credits elective course)

Elective Course (3 credits): the student has to select any three courses from the list of elective courses as per his/her requirement.