

Department of Environmental Science

School of Earth and Environmental Sciences

Booklet of Course Contents for M.Sc. Environmental Science Program



हिमाचल प्रदेश केंद्रीय विश्वविद्यालय

(2009 अधिनियम केन्द्रीय विश्वविद्यालय के तहत स्थापित)

धर्मशाला, जिला काँगड़ा-176,215

Central University of Himachal Pradesh

(Established under Central Universities Act 2009)

Dharamshala, District Kangra, Himachal Pradesh-176215

2019

Annexure-B

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Proposed structure of courses to be offered in the Department of Environmental Sciences as per new Choice Bases Credit System (CBCS). Courses to be offered in the M.Sc. Environmental Sciences (semester I and III; July 2019-Dec.2019):

A. CORE COMPULSORY COURSES

Note: A student has to fulfil **16+6 credits** from the following core compulsory courses.

Semester	Total Credits	Core-Compulsory Courses	*Credits
I	16	ENV 402a – Introduction to Earth Processes	2
		ENV 403 - Environmental Chemistry	4
		ENV 434 - Fundamentals of Ecology and Environment	4
		ENV 560 – Meteorology and Climatology	4
		ENV 435 - Environmental Sciences Laboratory – I	2
III	6	ENV 524 - Environmental Impact Assessment	2
		ENV 571 - Remote Sensing and GIS Lab	2
		ENV 411 - Waste Management	2

**60 Contact Hours are recommended for 4 Credit courses & 30 Contact Hours are recommended for 2 Credit courses*

B. CORE OPEN COURSES /ELECTIVE OPEN COURSES

Note: A student has to fulfil **06 credits** from the following core open and elective open courses.

Semester	Total Credits	Core-Open / Elective Open Courses	*Credits
III	06	ENV 573 – Water Resource Management	2
		ENV412 – Analytical Techniques	2
		ENV 503 – Environmental Legislation: National & International	2

C. ELECTIVE SPECIALIZATION

Note: A student has to fulfil **08 credits** from any one of the following group of elective specialization courses.

⁺The specialization course shall only be offered if minimum 10 students have opted for it.

Semester	Total Credits	Elective (Specialization)	*Credits
III	08	ENV 564- Near Surface Geo-Physics	4
		ENV 557 - Bio-resources and Environmental Biotechnology	4
		ENV 582- Atmospheric Chemistry and Physics	4

**60 Contact Hours are recommended for 4 Credit courses & 30 Contact Hours are recommended for 2 Credit courses*

D. HUMAN MAKING AND SKILL DEVELOPMENT

Semester	Total Credits	Human Making and Skill Development Courses	*Credits
I	04	ENV 404 - Energy and Environment	2
		ENV 443 – Basics of Climate Change	2

Note: A student has to fulfil **04 credits** from the following Human Making and Skill Development courses.