

Master Environmental Science CURRICULUM 2017

Code	Semester I	Credit Point Semester			
	Mandatory Course	PL	RL	ML	MB
CIL-2-2-600	Philosophy of Science and Research Methodology	3	3	3	3
CIL-2-2-601	Environmental Economics and Natural Resources	3	3	3	3
CIL-2-2-602	Environmental Statistics	2	2	2	2
CIL-2-2-603	Ecology and Environmental Science	3	3	3	3
CIL-2-2-604	Computer Applications and Environmental Modeling	3	3	3	3
TOTAL CREDIT POINT SEMESTER I		14	14	14	14
Code	Semester II	Credit Point Semester			
	Concentration Elective Course	PL	RL	ML	MB
CIL-2-2-605	Environmental Law and Policy	2	2	2	
CIL-2-2-606	Environmental System Analysis		2		
CIL-2-2-607	Environmental Planning Theories	3			
P-CIL-8-202	Environmental Impact Analysis	3	3	3	
CIL-2-2-608	Natural Resources and Environment Conservation		3	3	
CIL-2-2-609	Spatial Planning and Environment	2			
CIL-2-2-610	Environmental Pollution Control			2	
CIL-2-2-611	Disaster Management Strategies				3
CIL-2-2-612	Hazard analysis, Disaster Mitigation and Adaptation				3
CIL-2-2-613	Emergency Respond, Rehabilitation and Reconstruction				2
CIL-2-2-614	Disaster and Environment Risk				2
	Elective I (*)	2	2	2	2
TOTAL CREDIT POINT SEMESTER II		12	12	12	12
Code	Semester III	Credit Point Semester			
	Mandatory Course	PL	RL	ML	MB
CIL-2-2-615	Capita Selecta	2	2	2	2
CIL-2-2-616	Field Trip	1	1	1	1
CIL-2-2-617	Thesis Proposal	2	2	2	2
TOTAL CREDIT POINT SEMESTER III		5	5	5	5
Code	Semester IV	Credit Point Semester			
	Mandatory Course	PL	RL	ML	MB
	Elective II (**)	2	2	2	2
CIL-2-2-618	Seminar and Scientific Publication	2	2	2	2
CIL-2-2-619	Thesis	6	6	6	6
TOTAL CREDIT POINT SEMESTER IV		10	10	10	10
TOTAL CREDIT POINT SEMESTER FOR MASTER ENVIRONMENTAL SCIENCE BY COURSE		41			

Description

PL: Environmental Planning

RL: Environmental Engineering

ML: Environmental Management

MB: Disaster Management

List Elective Course I (*) and Elective Course II (**)

Code	Elective Course I (*)	Credit Point Semester
CIL-2-2-700	Population, Environment and Natural Resources	2
CIL-2-2-701	Environmental Geographic Information System (GIS)	2
CIL-2-2-702	Energy Development and Environment	2
CIL-2-2-703	Disaster Management and Planning	2
CIL-2-2-704	Transportation and Environment	2
CIL-2-2-705	Coastal zone management	2
CIL-2-2-706	Eco Efficiency and Sustainable Development	2
CIL-2-2-707	Decision Making Theory	2
CIL-2-2-708	Hazard and Environmental Risk Assessment	2
CIL-2-2-709	Water Management	2
CIL-2-2-710	Waste Infrastructure Management	2
CIL-2-2-711	Clean Technology	2
CIL-2-2-712	Wastewater Treatment	2
CIL-2-2-713	Hazardous and Hospital Waste Management	2
CIL-2-2-714	Noise and Vibration Control	2
	Elective Course II (**)	Credit Point Semester
CIL-2-2-715	Sanitasi dan Kesehatan Lingkungan	2
CIL-2-2-716	Environmental Toxicology and Epidemiology	2
CIL-2-2-717	Community Development Planning	2
CIL-2-2-718	Environmental Mediation and Negotiations	2
CIL-2-2-719	Environment Psychology	2
CIL-2-2-720	Disaster Management	2
CIL-2-2-721	International Standard Disaster Management	2
CIL-2-2-722	Community Based Disaster Risk Reduction	2
CIL-2-2-723	Disaster Risk Analysis	2
CIL-2-2-724	Evacuation Management	2
CIL-2-2-725	Early Warning System	2
CIL-2-2-726	Mass Transfer and Transform	2
CIL-2-2-727	Regional Planning and Infrastructure	2
CIL-2-2-728	Environment Biology and Chemical	2
CIL-2-2-729	Food Security and Environment	2