

CURRICULUM BY COURSE MES 2020



**MASTER PROGRAM OF ENVIRONMENTAL SCIENCE
SCHOOL OF POSTGRADUATE STUDIES
DIPONEGORO UNIVERSITY**



Master Environmental Science CURRICULUM 2020 by Course

Code	Semester I	Credit Point Semester			
	Mandatory Course	PL	RL	ML	MB
P-CIL-8-101	Philosophy of Science and Research Methodology	3	3	3	3
P-CIL-8-102	Environmental Economics and Natural Resources	3	3	3	3
P-CIL-8-103	Environmental Statistics	2	2	2	2
P-CIL-8-104	Ecology and Environmental Science	3	3	3	3
P-CIL-8-105	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
P-CIL-8-201	Environmental Law and Policy	2	2	2	2
P-CIL-8-202	Environmental Impact Analysis	3	3	3	3
P-CIL-8-203	Disaster and Environment Risk				2
P-CIL-8-204	Environmental Planning Theories	3			
P-CIL-8-205	Natural Resources and Environment Conservation		3	3	
P-CIL-8-206	Disaster Mitigation and Adaptation				3
P-CIL-8-207	Spatial Planning and Environment	2			
P-CIL-8-208	Environmental System Analysis		2		
P-CIL-8-209	Environmental Pollution Control			2	
P-CIL-8-210	Disaster Management Strategies				2
	Elective I (*)	2	2	2	2
	Elective I (**)	2	2	2	2
	Total Credit Point Semester II	14	14	14	14
Code	Semester III	Credit Point Semester			
	Mandatory Course	PL	RL	ML	MB
P-CIL-8-301	Capita Selecta	2	2	2	2
P-CIL-8-302	Field Trip	1	1	1	1
P-CIL-8-303	Thesis Proposal	2	2	2	2
P-CIL-8-304	Seminar and Scientific Publication	2	2	2	2
	Total Credit Point Semester III	7	7	7	7
Code	Semester IV	Credit Point Semester			
	Mandatory Course	PL	RL	ML	MB
P-CIL-8-401	Thesis	6	6	6	6
	Total Credit Point Semester IV	6	6	6	6
TOTAL CREDIT POINT SEMENTER FOR MASTER ENVIRONMENTAL SCIENCE BY COURSE		41			

Descripton

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
P-CIL-8-211	Green Infrastructure Planning	2
P-CIL-8-212	Solid and Hazardous Waste Management	2
P-CIL-8-213	Disaster Management Cooperation	2
P-CIL-8-214	Environmental Geographic Information System (GIS)	2
P-CIL-8-215	Hydroclimatology	2
P-CIL-8-216	Environmental Communication and Anthropology	2
P-CIL-8-217	Resilience Development	2
P-CIL-8-218	Population, Environment and Natural Resources	2
P-CIL-8-219	Energy Development and Environment	2
P-CIL-8-220	Coastal zone management	2
P-CIL-8-221	Transportation and Environment	2
P-CIL-8-222	Disaster Management and Planning	2
P-CIL-8-223	Eco Efficiency and Sustainable Development	2
P-CIL-8-224	Decision Making Theory	2
P-CIL-8-225	Environmental Hazards and Risks	2
P-CIL-8-226	Water supply Management	2
P-CIL-8-227	Infrastructure Waste Management	2
P-CIL-8-228	Clean Technology	2
P-CIL-8-305	Wastewater management	2
P-CIL-8-306	Hospital Waste Management	2
Code	Elective Course II (**)	Credit Point
P-CIL-8-307	Green Infrastructure Resilience	2
P-CIL-8-308	Noise and Vibration Control	2
P-CIL-8-309	Sanitation and Environmental Health	2
P-CIL-8-310	Environmental Toxicology and Epidemiology	2
P-CIL-8-311	Community Development Planning	2
P-CIL-8-312	Environmental Mediation and Negotiations	2
P-CIL-8-313	Psikologi Lingkungan	2
P-CIL-8-314	Disaster Management	2
P-CIL-8-315	International Standards for Disaster Management	2
P-CIL-8-316	Community Based Disaster Risk Reduction	2
P-CIL-8-317	Disaster Risk Analysis	2
P-CIL-8-318	Evacuation Management	2
P-CIL-8-319	Evacuation and Early Warning System	2
P-CIL-8-320	Mass Transfer and Transformation	2
P-CIL-8-321	Regional Planning	2
P-CIL-8-322	Environmental Chemistry and Biology	2
P-CIL-8-323	Food Security and Environment	2
P-CIL-8-324	Disaster Waste Management	2
P-CIL-8-325	Environmental Diplomacy	2
P-CIL-8-326	Regional Development and Environmental Management	2