

COURSES in MAGISTER of ENVIRONMENTAL ENGINEERING

Smt	Code	Name of Course		RIL	SML	
I	UNI101	Islam Ulil Albab	<i>(Islam for Scholar)</i>	2	2	
			<i>(Research Methodology and Scientific Writing)</i>			
	MTL101	Metodologi Penelitian dan Teknik Penulisan Ilmiah		2	2	
	MTL102	Pengantar Teknik Lingkungan	<i>(Basic Principles for Environmental</i>	3	3	
	MTL103	Pemodelan Lingkungan	<i>(Environmental Modeling)</i>	3	3	
	MTL104	Statistik Lanjut	<i>(Statistik Lanjut)</i>	2	2	
SKS Semester I				12	12	
II						
	MTL201	Pengelolaan dan mitigasi bencana lingkungan	<i>(Environmental Disaster Mitigation and Management)</i>	3	3	
	MTL202	Sistem Pengambilan Keputusan	<i>(Decision Making System)</i>	2	2	
	MTL203	Teknik Pengendalian Pencemaran Lingkungan	<i>(Environmental Pollution Control Techniques)</i>	3	-	
	MTL204	Ekologi dan Pencemaran Lingkungan	<i>(Ecology and Environmental Pollution)</i>	-	3	
			Pilihan Bebas I	<i>(Free Electives I)</i>	2	2
			Pilihan Peminatan I	<i>(Concentration Electives I)</i>	3	3
SKS Semester II				13	13	
III	MTL301	Seminar dan Publikasi Ilmiah	<i>(Seminar and Scientific Publication)</i>	2	2	
			<i>(Free Electives II)</i>	2	2	
			<i>(Concentration Electives II)</i>	3	3	
	SKS Total Smt III				7	7
IV	MTL401	Tesis	<i>(Thesis)</i>	6	6	
	SKS Total Smt IV				6	6
TOTAL SKS				38	38	

RIL = Environmental Engineering Concentration (Rekayasa Infrastruktur Lingkungan)

ML = Environmental Management Concentration (*Manajemen Lingkungan*)

Free Electives (Pilihan Bebas)

Code	Name of Course		SKS
MTL501	Mediasi dan Negosiasi Konflik	<i>(Environmental Conflict Resolution)</i>	2
MTL502	Magang	<i>(Internship)</i>	2
MTL503	Teknopreneurship	<i>(Technopreneurship)</i>	2
MTL504	Penilaian Dampak Lingkungan	<i>(Enviromental Impact Assesment)</i>	2
MTL505	Mitigasi dan Adaptasi Perubahan Iklim	<i>(Climate Change Mitigation and Adaptation)</i>	2

MTL506	Pengendalian Pencemaran Udara Lanjut	<i>(Advanced Air Pollution Control)</i>	2
MTL507	Higiene Lingkungan Industri	<i>(Environmental Industrial Hygiene)</i>	2
MTL508	Manajemen Limbah Industri	<i>(Industrial Waste Management)</i>	2

Environmental Engineering Concentration (Peminatan Rekayasa Lingkungan)

Code	Name of Course		SKS
MTL509	Pengolahan Air Limbah Lanjut	<i>(Advanced Wastewater Treatment)</i>	3
MTL510	Penyediaan Air Minum Lanjut	<i>(Advanced Water Treatment)</i>	3
MTL511	Daur Ulang Limbah	<i>(Waste Recycling)</i>	3
MTL512	Rekayasa dan Aplikasi Remediasi	<i>(Remediation Engineering and Applications)</i>	3
MTL513	Konversi Limbah menjadi Energi	<i>(Waste to Energy)</i>	3
MTL514	Rekayasa Pengelohan Limbah Padat	<i>Solid Waste Treatment</i>	3
MTL515	Pengelolaan Air Hujan	<i>Storm Water Management</i>	3

Environmental Management Concentration (Peminatan Manajemen Lingkungan)

Code	Name of Course		SKS
MTL514	Analisis dan Manajemen Resiko Lingku	<i>(Environmental Risk Assessment and Management)</i>	3
MTL515	Manajemen dan Konservasi Sumberdaya Air	<i>(Water Resource Management and Conservation)</i>	3
MTL516	Restorasi lahan terdegradasi	<i>(Rehabilitation of Degraded Land)</i>	3
MTL517	Perencanaan Wilayah Berkelanjutan	<i>(Sustainable Regional Planning)</i>	3
MTL518	Valuasi Ekonomi dan Penilaian Kerusakan Lingkungan	<i>(Economic Valuation of Environmental Damage)</i>	3
MTL519	Sistem Informasi dan Manajemen Lingkungan	<i>Information system and Environmental Management</i>	3
MTL520	Kebijakan pengelolaan sampah berkelanjutan	<i>Regulation on Sustainable Solid Waste Management</i>	3

