

Department of **Environmental Engineering**
Undergraduate – Environmental Engineering
FACULTY OF CIVIL ENGINEERING AND PLANNING
INSTITUT TEKNOLOGI SEPULUH NOPEMBER (ITS)

Smt	Code	Courses	Credits
1	IG1106	Concept of Nationalism	3
1	IG1107	Concept of Scientific Technology and Communication	3
1	IG1108	English	3
1	RE1311	Environmental Chemistry I	3
1	SF1303	Physics I	3
1	SM1203	Calculus I	3
2	IG1101	Islam Education*	2
2	IG1102	Protestant Education*	2
2	IG1103	Catholic Education*	2
2	IG1104	Hindu Education*	2
2	IG1105	Buddha Education*	2
2	IG1110	Khonghucu Education*	2
2	RE1221	Applied Mathematics	3
2	RE1222	Environmental Microbiology	3
2	RE1321	Environmental Chemistry II	3
2	RE1322	Engineering Drawing	4
2	SF1304	Physics II	3
3	RE1331	Mapping	3
3	RE1332	Hydraulics	4
3	RE1333	Environmental Pollution Analysis Technique	4
3	RE1334	Soil Mechanics & Geohydrology	3
3	RE1335	Environmental Engineering	4

Smt	Code	Courses	Credits
		Operation Unit	
4	IG1109	Technopreneurship	3
4	RE1341	Water Resource Management	3
4	RE1342	Structure Design	4
4	RE1343	Environmental Statistics	3
4	RE1344	Environmental Engineering Process Unit	4
4	RE1345	Air Pollution	3
5	RE1351	Emission and Ambient Control	3
5	RE1352	Water and Coastal Remediation	3
5	RE1353	Drinking Water Distribution System	4
5	RE1354	Waste Water Distribution System	3
5	RE1355	Urban Drainage System	3
5	RE1356	Project Management	3
5	RE1401	Plumbing and Pump**	3
5	RE1406	Phytotechnology**	3
5	RE1412	Land Resource Management**	3
6	RE1361	Research Method	3
6	RE1362	Garbage Management	4
6	RE1363	Drinking Water Processing Building Design	4
6	RE1364	Local Waste Processing Building Design	4

Smt	Code	Courses	Credits
6	RE1402	Industrial Waste Management**	3
6	RE1408	Environmental Quality Biomonitoring**	3
7	RE1371	B3 Waste Management	3
7	RE1372	Environmental Impact Analysis	3
7	RE1373	Centered Waste Processing Building Design	4
7	RE1374	Garbage Final Processing Place Design	3
7	RE1403	Environmental Management System**	3
7	RE1404	Environmental Audit**	3
7	RE1405	Mud Management**	3
7	RE1407	Environmental Economy**	3
7	RE1409	Management of Urban Environment**	3
7	RE1410	Community Empowerment**	3
7	RE1411	Community-based Water Supply**	3
7	RE1413	Community-based Sanitation**	3
7	RE1414	Air Pollution Dispersion Model**	3
8	RE1381	Occupational Health and Safety	3
8	RE1382	Practical Work	2
8	RE1581	Final Project	6

* Select one of those with stars

** Elective courses