

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

Smt	Code	Courses	Credits
1	IG1108	English	3
1	RC5201	Applied Mathematics	2
1	RC5202	Applied Physics	2
1	RC5203	Applied Statistics	2
1	RC5301	Statically Determinate Engineering Mechanics	3
1	RC5302	Engineering Drawing	3
1	RC5303	Cartography 1	4
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	IG1106	Concept of Nationalism	3
2	IG1110	Khonghucu Education*	2
2	RC5304	Voltage Engineering Mechanics	3
2	RC5305	Cartography 2	3
2	RC5306	Hydrology	3
2	RC5307	Hydraulics	3
3	RC5308	Statically Indeterminate Engineering Mechanics	2

Smt	Code	Courses	Credits
3	RC5309	Building Material Science	4
3	RC5310	Civil Engineering Infrastructure	2
3	RC5311	Soil Mechanics	3
3	RC5312	Concrete Technology	3
3	RC5313	Drainage	3
3	RC5314	Road Geometric Design	3
4	RC5204	Numerical Methods	2
4	RC5315	Foundation Engineering	3
4	RC5316	Structural Analysis	2
4	RC5317	Basic Reinforced Concrete Structures	3
4	RC5318	Basic Structural Steel Design	3
4	RC5319	Road Pavement Design	3
4	RC5320	Implementation Method and Heavy Equipment	4
5	IG1109	Technopreneurship	3
5	RC5321	Budget Planning	3
5	RC5401	Reservoir Structure and Piping Technique**	3
5	RC5402	Dam Structure and Irrigation Design**	4

Smt	Code	Courses	Credits
5	RC5403	Flood Control and River Technique**	3
5	RC5404	Reservoirs and Dams**	3
5	RC5406	Earthquake Engineering**	2
5	RC5407	Design of Reinforced Concrete Structures**	4
5	RC5408	Design of Steel Structures**	4
5	RC5409	Building Utility**	2
5	RC5412	Implementation Technique and Transportation Building Safety**	4
5	RC5413	Steel Bridge Structure**	3
5	RC5414	Concrete Bridge Structure**	4
5	RC5415	Traffic Engineering**	3
6	RC5322	Construction and Project Control Management	4
6	RC5323	Practical Work	2
6	RC5405	Water Resource Development**	3
6	RC5410	Precast Concrete Technology**	2
6	RC5411	Prestressed Concrete Technology**	2
6	RC5416	Design of Port Structures**	2
6	RC5501	Applied Final Project	6

* Select one of those with stars

** Elective courses