

STRUKTUR KURIKULUM
S-1 Teknik Perminyakan Universitas Tanri Abeng

Semester 1

NO	Kode	Mata Kuliah	Total SKS	SKS	
				Teori	Prakt
1	TM002	Basic chemistry	2	2	
2	TM001	Introduction to petroleum and geothermal energy	2	2	
3	TM004	Basics of geology	2	2	
4	TAET11A	Introduction to information technology	3	3	
5	TAET12A	Calculus	3	3	
6	TM003	Physics	3	3	
7	TM005	Regulation of petroleum industry	3	3	
8	TAPD03-PE	English	2	2	
TOTAL SKS			20	20	

Semester 2

NO	Kode	Mata Kuliah	Total SKS	SKS	
				Teori	Prakt
1	TM008	Sedimentology and Stratigraphy	3	2	1
2	TM006	Advance of Chemistry	4	2	2
3	TM007	Hydrocarbon Physical Chemistry	3	3	
4	MA2201A	Numeric Method	2	2	
5	TM009	Thermodynamics	2	2	
6	TM010	Statistic	3	3	
7	TM011	Engineering Mathematics	3	3	
TOTAL SKS			20	17	3

Semester 3

NO	Kode	Mata Kuliah	Total SKS	SKS	
				Teori	Prakt
1	TM014	Drilling Engineering I	3	2	1
2	TM013	Basic Rock Properties	2	2	
3	TM012	Reservoir Fluid Analysis	3	2	1
4	TM018	Health, Safety and Environment	2	1	1
5	TM015	Fluid Mechanics	3	3	
6	TM016	Petroleum Geology	3	2	1
7	TM019	Surface Facilities	3	3	
8	TAPD10-PE	Pancasila	2	2	
9	TAPD08-PE	Citizenship	2	2	
TOTAL SKS			23	19	4

Semester 4

NO	Kode	Mata Kuliah	Total SKS	SKS	
				Teori	Prakt
1	TM021	Reservoir Engineering	3	3	
2	TM022	Production Engineering	3	3	
3	TM020	Well Log Analysis	3	3	
4	TM024	Well Completion and Workover	3	3	
5	TM023	Well Test Analysis	3	3	
6	TM039	Well Control	3	3	
7	TM025	Geothermal Engineering	3	3	
8	TAPD071PE	Religious Study	2	2	
TOTAL SKS			23	23	

Semester 5

NO	Kode	Mata Kuliah	Total SKS	SKS	
				Teori	Prakt
1	TM029	Integrated Formation Evaluation	3	3	
2	TM026	Drilling Engineering II	3	3	
3	TM027	Artificial Lift	3	3	
4	TM028	Petroleum Economics	3	3	
5	TM030	Reservoir Simulation	3	2	1
6	TM031	Natural Gas Engineering	3	3	
7	TM032	Field Trip	1		1
8	TAPD05PE	Indonesian Language	2	2	
9	TAPD09-PE	Leadership	2	2	
TOTAL SKS			23	22	2

Semester 6

NO	Kode	Mata Kuliah	Total SKS	SKS	
				Teori	Prakt
1	TM029	Field Development and Management	3	1	2
2	TM026	Oil and Gas Processing and Transportation	3	3	
3	TM037	Enhanced Oil Recovery	3	3	
4	TM033	Well Simulation	3	3	
5	TM034	Research Method	3	3	
6	TM035	Renewable Energy	2	2	
7	TM038	Anti Corruption	2	2	
8	TM036	Intercultural Knowledge	2	2	
9	TAPD02PE	Technopreneurship	2	2	
TOTAL SKS			23	21	2

Semester 7

NO	Kode	Mata Kuliah	Total SKS	SKS	
				Teori	Prakt
1	TAPP29	Internship	2		2
2	-	Elective 1	3	3	
3	-	Elective 2	3	3	
TOTAL SKS			8	6	2

Semester 8

NO	Kode	Mata Kuliah	Total SKS	SKS	
				Teori	Prakt
1	TAPP30	Final Assignment	4		4
2	-	Elective 1	3	3	
3	-	Elective 2	3	3	
TOTAL SKS			10	6	4

Mata kuliah pilihan

NO	Kode	Mata Kuliah	Total SKS	SKS	
				Teori	Prakt
1	TM101	Adv. Formation Evaluation	3	3	
2	TM102	Adv. Drilling Engineering	3	3	
3	TM103	Adv. Production Engineering	3	3	
4	TM104	Adv. Well Stimulation	3	3	
5	TM105	Unconventional Hydrocarbon Recovery	3	3	
6	TM106	Carbonate and Fracture Reservoir	3	3	
7	TM107	Adv. Reservoir Engineering	3	3	
8	TM108	Adv. Geothermal Engineering	3	3	
9	TM109	Adv. Mud Engineering	3	3	
10	TM109	Machine Learning in Oil and gas	3	3	