

Department of **Marine Transportation**
Undergraduate – Marine Transportation
FACULTY OF MARINE TECHNOLOGY
INSTITUT TEKNOLOGI SEPULUH NOPEMBER (ITS)

Smt	Code	Courses	Credits
1	IG1101	Islam Education*	2
1	IG1102	Protestant Education*	2
1	IG1103	Catholic Education*	2
1	IG1104	Hindu Education*	2
1	IG1105	Buddha Education*	2
1	IG1110	Khonghucu Education*	2
1	MS1201	Engineering Drawing	3
1	MS1301	Engineering Mechanics	4
1	MT1201	Introduction to Ocean Engineering	2
1	SF1201	Physics I	3
1	SM1203	Calculus I	3
2	IG1106	Concept of Nationalism	3
2	IG1108	English	3
2	MS1302	Theory in Ship Building I	3
2	MS1303	Computer Programming	3
2	SF1204	Physics II	3
2	SM1204	Calculus II	3
3	MS1202	Introduction to Economic Theory	3
3	MS1203	Statistics and Probability	2
3	MS1304	Ship Design I	3

Smt	Code	Courses	Credits
3	MS1305	Engineering Mathematics	3
3	MS1306	Operation Research	3
3	MS1307	Engineering Economics	3
3	MS1308	Ship Lines Plan Assignment	2
4	MS1204	Ship Equipment	3
4	MS1205	Ship Propulsion and Barrier	3
4	MS1206	Ship Machinery and System	3
4	MS1207	Theory in Ship Building II	3
4	MS1309	Sea Transportation Network Analysis	3
4	MS1310	Economics of Sea Transport	3
5	MS1208	Ship Strength and Construction	3
5	MS1209	Ship Design II	3
5	MS1311	Harbor Design	3
5	MS1312	System Analysis	3
5	MS1313	Decision Making Methods	3
5	MS1314	Ship Designing Assignment	4
6	IG1107	Concept of Scientific Technology and Communication	3
6	MS1210	Research Method	2
6	MS1211	Risk Management	3

Smt	Code	Courses	Credits
6	MS1315	Shipping Business	3
6	MS1316	Logistic Engineering	3
6	MS1317	Harbor Management	3
7	IG1109	Technopreneurship	3
7	MS1212	Statutory Rules	2
7	MS1318	Ship Insurance and Cost	3
7	MS1319	Sea Transportation Modeling	3
7	MS1320	Sea Transportation Telematics	3
7	MS1321	Sea Transportation Planning Assignment	4
8	MS1213	Strategic Management	3
8	MS1322	Practical Work	2
8	MS1401	Ship Reparation and Production**	3
8	MS1402	Ship Valuation**	3
8	MS1403	Archipelago Infrastructure Design**	3
8	MS1404	Advanced Harbor Design**	3
8	MS1405	Supply Chain Management**	3
8	MS1406	Multimodal Transportation**	3
8	MS1501	Final Project	6

* Select one of those with stars

** Elective courses