

Department of **Ocean Engineering**  
Graduate – Marine Control and System Engineering  
FACULTY OF MARINE TECHNOLOGY  
**INSTITUT TEKNOLOGI SEPULUH NOPEMBER (ITS)**

Smt	Code	Courses	Credits
1	ME2301	Ocean System Economy	3
1	ME2302	Advanced Marine Propulsion System	3
1	ME2303	Advanced Marine Controlling System	3
1	ME2304	Alternative and Environmental Energy	3
2	ME2305	Advanced Marine Power Generation System (Piping, Power & Electricity)	3

Smt	Code	Courses	Credits
2	ME2306	Reliability Engineering & Operation Research	3
2	ME2307	Internal Combustion Motor Technology	3
2	ME2308	Research Method	3
2	ME2413	Qualitative Management**	3
2	ME2415	Navigation Safety**	3
3	ME2409	Quantitative Risk Valuation**	3

Smt	Code	Courses	Credits
3	ME2410	Marine Evacuation**	3
3	ME2411	Structure and System Reliability**	3
3	ME2412	Risk Based Design**	3
3	ME2414	Robotic and Control Marine Engineering**	3
4	ME2516	Thesis	6

\* Select one of those with stars

\*\* Elective courses