

Marine Science Program Study
MBKM Curriculum

SEM	COURSES			SCU	
SEM 1	Religion Education (2)+ Civic Education (2)+ P.E, Fitness and Creativity (3) + English (2) + Indonesian (2)			11	20
	Sedimentology(3)			3	
	Introduction to Fishery and Marine Science (2)+ Scientific Writing Ethics (2)+ Calculus (2)			6	
SEM 2			Cell Biology and Molecular (3)	9 6 5	20
		Marine Organisms Biology (3)	Biochemistry (3)		
	Physics (3) + Chemistry (3)				
	Computing and BIGDATA (3) + Statistics (2)				
SEM 3	Chemistry Oceanography (3)		Marine Microbiology(3)	16 3	19
	Physics Oceanography(3)	Marine Biology (2)	Organic Chemistry		
			Bioinformatics (2)		
	Numerical Analysis (3)				
SEM 4	Meteorology and Climatology (2)	Marine Ecotoxicology (3)	Marine Organisms Taxonomy (2)	18 4	22
		Diving(3)			
	Marine Remote Sensing (3)	Tropical Marine Ecology (2)	Natural Materials Technology (3)		
	Marine Survey (4)				
SEM 5	Marine Geoinformatics (3)	Marine Pollution (3)	Bioprocess Technology (3)	A	20
		Marine Culture/Cultivation -3	Bioproduct Purification (3)	B	
	Oceanography and Eco Modeling (3)	Scientific Diving (3)	Marine Pharmacology (3)	C	
	Microcontrol Instrument (3)	Biology Conservation (3)	Bioremediation (3)	D	
	Marine Geology (3)	Coastal and Marine Resources Management (3)			
	Fishery Oceanography (3)	Quantitative Bioecology (3)			
	Coastal Geomorphology (3)				
	Scientific writing and research Method (2)				
Softskill (6) (Other program study)					
/MBKM (ILIC): Outside of the program study					

SEM 6	Sea and Atmosphere Interaction (3)	Marine Ecotourism (3)	Marine Biotechnology Capita Selecta (3)	A	20
	Marine Mitigation and Disasters (3)	Marine Biodiversity and Conservation (3)	Biomolecular Engineering (3)	A	
				B	
		Stock Assessment of Marine Biological Resources (3)		C	
		Environmental Impact Assessment (AMDAL) (3)		D	
		Coralogy (3)			
	Entrepreneurship (3 sks)				
	Research Proposal Seminar (2)				
	MBKM (ILIC): Outside of Program Study				
	SEM 7	Internship (12) Marine Strategic Issues (3) Mandarin or Japanese (2) Community Service Program (3)			
/MBKM (ILIC): 8 activity outside of the campus					
Reguler&MBKM (ILIC): Final Research Paper/Thesis (6)					
				Total	147