

海洋学院

海洋科学专业人才培养方案

一、专业名称（中英文）；专业代码

Marine Science

070701

二、培养目标

六、修业年限及授予学位

4

七、课程结构及毕业要求

2420

166

74

45

48

			31	628	516	32	-
			43	688	688	0	-
			21	336	320	16	-
			24	384	384	0	-
			13	384	0	384	-
			35	0	0	0	35
			167	2420	1908	432	35
				31.73%			30.54%

$$1 = + + = 628 + 688 + 336 + 384 + 384 = 2420$$

$$2 = 24 + 21 + 4 + 2 + 2 /$$

$$167 * 100\% = 53 / 167 * 100\% = 31.73\%$$

$$3 = 48 + 3 / 167 * 100\% = 51 / 167 * 100\% = 30.54\%$$

八、人才培养目标实现矩阵

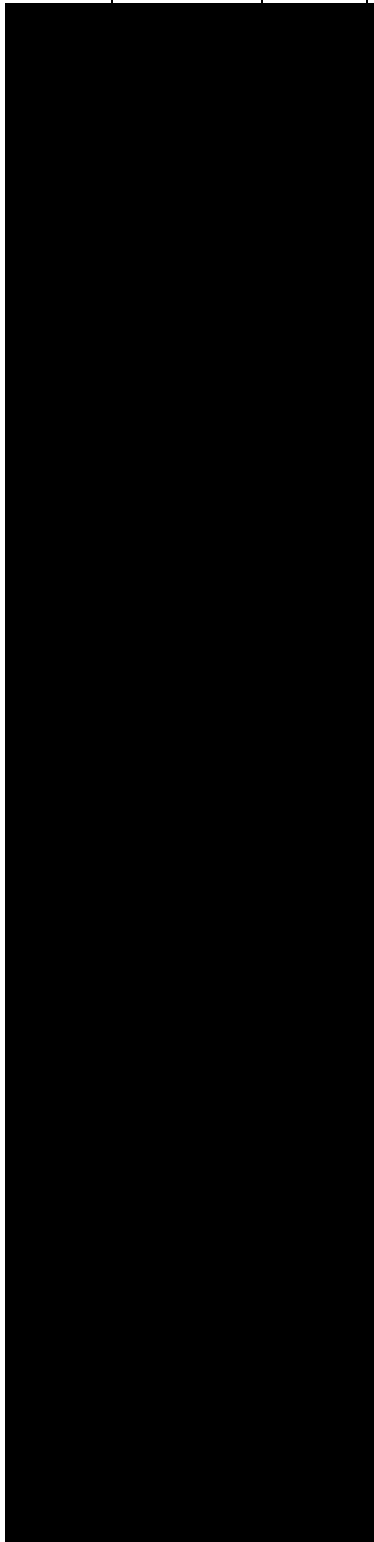
1	1.1		
	1.2		
	1.3	A	
2	2.1	AI	AII
	2.2	A	A

	2.3	B	
3	3.1		
	3.2		
	3.3		
4	4.1		
	4.2		
	4.3		
5	5.1		
	5.2		
6	6.1	B	
	6.2		
	6.3	/	

九、培养计划进程表

	610001	Basic Principles of Marxism	3	48	32		16	3	
	602852	Mao Zedong Thought and Introduction to Socialist Theory with Chinese Characteristics	3	48	32		16	4	
	602851	An Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	3	48	32		16	4	
	600796	Summary of Modern and Contemporary Chinese History (1840-1949)	3	48	32		16	1	
	610004	Ideological Morality and the Rule of Law	2	32	32			2	
	600651	The process of Sinicization of Marxism and the responsibility of young students	1	20	20			1	
	602489	National Security Education and Military Theory	3	48	24	24		2	
	602642	College Students Mental Health Education	2	32	24	8		2	
	610005	Situation and Policy Education	0.5	16	16			1 2	
	610006	Situation and Policy Education	0.5	16	16			3 4	8
	610007	Situation and Policy Education	0.5	16	16			5 6	2
	610008	Situation and Policy Education	0.5	16	16			7 8	4 6 8
	610013	College English I	2	32	32			1	
	610014	College English	2	32	32			2	
	610015	College English III	2	32	32			3	
	610016	College English	2	32	32			4	
	610021	Physical Education	0.5	16	16			1	
	610022	Physical Education	0.5	16	16			2	
	610023	Physical Education	0.5	16	16			3	
	610024	Physical Education	0.5	16	16			4	
			33	596	484	32			
	600804	College Student Career Development and Employability Improvement	1	16	16			3	

	600805	Foundation for Students' Innovation& Entrepreneurship	1	16	16			4		
			2	32	32					
	613645	B Application of Database B	4	64	48	16		2		
	602495	The Four Histories	1	16	16			1		
	614424	Elective Courses of English	2	32	32			4		
	612080	Elective Courses of Chinese	2	32	32			2		
		Aesthetic Education Series courses	2	32	32					2
		University Elective Courses	10	160	160					
			21	336	320	16				
			55	948	836	48				



A
Advanced Mathematics A

5

80

80

1

	615723	Marine Geology	2	32	32			7		
	615724	Physical Oceanography	2	32	32			7		
	601258	Cultivation and Utilization of Marine Fish Resources	1.5	24	24			6		
	615671	Marine Ecological Engineering	1	16	16			6		
	601243	Processing and Application of Biological Resources	1.5	24	24			5 7		
	615725	Marine Bioenergy	1	16	16			3 5		
	601268	Marine Phycology	2	32	24	8		5 7		
	615432	Marine Biodiversity and Conservation	2	32	32			3 5		
	610688	Genetics	2	32	32			4 6		
	601277	Marine pharmacology	2	32	32			6		
	610368	Molecular Biology	3	48	32	16		5		
	601251	Marine Virology	2	32	32			7		
	601242	Marine Aquarium Science	2.5	40	32	8		5 7		
	601256	Marine fish diseases	2	32	32			5 7		
	615794	Marine Medicinal Biology	1.5	24	24			7		
	615952	Literature Review and Scientific PaperWriting	1	16	16			6		
	612952	General Zoology	2	32	32			2 4		
	601299	Aquatic Animal Physiology	3	48	32	16		3 5		
	610682	Cell Biology	2	32	32			5 7		
	622040	Aquatic Animal Histoembryology	3	48	32	16		4 6		
	610075	Botany	2	32	32			7		
	615705	Advances in Marine Science	2	32	32			2		

		610087	Meteorology	2	32	32			6	
		610356	Fundamentals and Application of Remote Sensing	2	32	32			5	
		614309	Fundamentals and Application of Remote Sensing	2	32	32			5	
				24	384	384				
			Social Practice	4	4			4	1-4	
			Sunshine Physical	2	2			2	1-4	
		600799	Military Training	2	2			2	1	
		610043	A Experiment of College Physics (A)	1	32		32		3	
		610067	General Chemistry Experiment BI	1	32		32		1	
		610068	General Chemistry Experiment BII	1	32		32		2	
		615707	Marine Microbiology Experiment	1	32		32		4	
		601259	Marine Ichthyology Experiment	1	32		32		2	
		601260	Marine Ecological Experiment	1	32		32		3	
		610084	Biochemistry Experiments	0.5	16		16		4	
		601027	Marine Biology Fundamental Experiment	1	32		32		1	
		601253	Marine benthos Experiment	0.5	16		16		5	
		601265	Marine Planktology Experiment	0.5	16		16		5	
		601248	Marine Environmental Chemistry Experiment	1	32		32		3	
		602716	Marine Environment Monitoring Experiment	1	32		32		4	
		601252	Virtual Simulation Experiment of Marine Bio-resources and Ecology Survey	0.5	16		16		6	

602715 Marine Science Understanding Practice 2 2 2 1

		602714	Comprehensive Practice of Marine Science	13	13		13	6		
		617016	/ Graduate Thesis	8	8		8	8		
		611956	General Training for Management Skills	1	1		1	4		
		611839	Basic Training of Engineering Skills	1	1		1	5		
		610208	Practice of Innovation and Entrepreneurship	2	2		2	7		
		602315	Labor education	1	16		16	3		
		602316	Labor education	1	16		16	7		
					48		384	35		
				166	2340	1908	432	35		