水产养殖学专业人才培养方案

一、专业名称（中英文）；专业代码

Aquaculture

090601

二、培养目标

三、培养规格

1.

2.

3.

四、主干学科

五、专业核心课程

六、修业年限及授予学位

4

七、课程结构及毕业要求

2468 167

71 47 49

			31	628	516	32	-
			40	640	640	0	-
			21	336	320	16	-
			26	416	416	0	-
			15	448	0	448	-
			34	0	0	0	34
			166	2388	1892	496	34
				32.33%			31.14%

1 = + + =628+640+336+416+448= 2468

2 = 26+ 21+ 4+ 1+ 2 / 167*100%=54/167*100%=32.33%

3 = 49+ 3 / 167*100%= 52/167*100%=31.14%

八、人才培养目标实现矩阵

1	1.1		
	1.2	-	
	1.3	A	
2	2.1	I, II	
	2.2	, I-II	
	2.3	B	
	2.4		
3	3.1		

	3.2		
4	4.1	,	
	4.2	,	
5	5.1		
	5.2		
6	6.1		

	610001	Basic Principles of Marxism	3	48	32		16	3		
	602852	Mao Zedong Thought and Introduction to SocialistTheorywithChinese 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 2
	610007	Situation and Policy Education	0.5	16	16					4 6 8

	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				

		610038	I College Mathematics	4	64	64			1	
		610039	II College Mathematics	3	48	48			2	
		610062	Inorganic and Analytical Chemistry	3	48	48			1	
		610066	Organic Chemistry	3	48	48			2	
		613723	Introduction to Aquaculture	2	32	32			1	
		610102	Zoology	2	32	32			1	
		613719	Aquatic microbiology	2	32	32			2	
		613714	Aquatic Animal Histoembryology	2	32	32			3	
		610083	Biochemistry	2	32	32			4	
		615862	Hydrobiology	2	32	32			4	
		610688	Genetics	2	32	32			3	
		615733	Fish Physiology	2	32	32			2	

614482

IchthP <</MCID 225 >>BDC9 (h)0.64.4 (g)0.5 (y)]TJ 0 Tc 25 (y)]TJ 5 Td ( )Tj EMC /P <</MCID4.806>>BDC 0.0

		601246	Aquatic Animal Virology	2	32	32			7		
		615794	Marine Medicinal Biology	1.5	24	24			7		
		615690	Diving Theory and Underwater Observation Technology	1	16	16			7		
		615691	Marine Ranching	1.5	24	24			6		
		614585	Phycology	1	16	16			6		
		615682	Marine Environmental Pollution and Protection	1.5	24	24			7		
		601261	Plankton Monitoring and Environmental Assessment	1	32	0	32		5		
		613724	Advances in Aquaculture	2	32	32			2		
			Interdisciplinary Elective Courses	2	32	32			5		
				26	416	416					

			Social Practice	4	4			4	1-4		
			Sunshine Physical	2	2			2	1-4		
		600799	Military Training	2	2			2	1		
		610067	General Chemistry Experiment I	1	32		32		1		
		610068	General Chemistry Experiment II	1	32		32		2		
		610040	Mathematical Experiment	1	32		32		2		
		613722	Aquatic Microbiology Experiment	1	32		32		2		
		610084	Biochemistry Experiments	0.5	16		16		4		
		614363	Genetics Experiment	1	32		32		3		

		613717	Aquatic Animal Histoembryology Experiment	1	32		32		3		
		601655	Fish Physiology Experiment	0.5	16		16		2		
		601654	Living Food Culture experiment	0.5	16		16		5		
		614486	Ichthyology Experiment	1	32		32		3		
		615734	Hydrobiology experiment	1	32		32		4		
		615860	Aquatic Animal Nutrition and Feed Experiment	1.5	48		48		4		
		615964	Aquatic Animal Disease Prevention and Control Experiment	1	32		32		5		
		615943	Water Environmental Chemistry Experiment	1	32		32		5		