Instructive Cultivation Plan for the Program of Environment Design

(Grade 2020)

Program code: 130503

1. Orientation

This program is based on design and architecture. Under the background of the school's service manufacturing industry, this program pays attention to the needs of people for space in social development, mainly focuses on the indoor and outdoor environment design of contemporary residential and commercial spaces, and is committed to cultivating innovative and application-oriented design talents who can use art design technique to create humanized and high-quality architectural indoor and outdoor spaces.

2. Cultivation Objective

2.1. General Objective

This program aims to cultivate innovative and application-oriented design talents who are comprehensively developed on the aspects of moral, intellectual, physical, art and labor, able to master the theoretical knowledge and professional skills in the use of Environment Design, can pay attention to the real and future issues in the field of Environment Design, have a certain sense of innovation and social responsibility, have independent design and team collaborative ability, and can engage in the design of indoor and outdoor environments of various buildings.

2.2. Cultivation Value

Taking the humanistic spirit and social responsibility as the value orientation and by establishing art and craftsmanship spirit, this program focuses on cultivating students' ability to treat space with humanism, understand social design concepts with sustainable concepts, change the environment with space construction, and solve practical problems with professional engineering technology. This program will cultivate new-age designers with cultural confidence, professional ethics, social awareness, innovative thinking and correct values.

3. Requirement for Graduation

This program adopts the teaching method that combines classroom teaching, studio teaching and social production practices, so as to enable students to systematically learn and master the theoretical basic knowledge and related professional knowledge in the Environment Design professional field, accept trainings on Environment Design thinking capabilities, methods and design basic skills, and be able to engage in indoor and outdoor Environment Design combining with cutting-edge concepts related to today's design discipline, social and contemporary issues, and according to the scientific principles of nature, ecology, society, and behavior.

At the same time, the program also pays special attention to the cultivation of students' cooperation, diligence, pragmatism, good professional ethics and work style in the implementation of design, focuses on strengthening the cultivation of innovative thinking and technical solutions in the design of interior and landscape spaces, and tries to establish a teaching mode that equally emphasizes the theory and practice, integrates the art and technology, and connect the teaching mode with the industry.

3.1. Ideological, political and moral education requirements

• Build cultural self-confidence, learn and understand the traditional excellent architectural culture;

• Cultivate professional ethics and social awareness, pay attention to and understand current social issues;

• Understand professional related regulations;

• Have innovative thinking;

• Establish correct values;

3.2. Knowledge requirements

• Master the basic theoretical knowledge of indoor and outdoor Environment Design;

• Master the basic methods of indoor and outdoor Environment Design research;

• Master the design procedures and design methods, and have certain design management and construction management capabilities;

• Understand the relevant knowledge of indoor and outdoor environment construction, and have certain structure and detailed design capabilities

• Familiar with engineering technology applications, industry standards and laws and regulations related to this program;

3.3. Skill requirements

Professional practical skills

• Master traditional design skills, and be able to use computer-aided design proficiently, and have good design expression skills.

• Master the professional skills and methods of indoor and outdoor Environment Design;

Comprehensive ability

• Have a certain design concept, and be able to put forward their own professional views on corresponding design works

• Be able to analyze the current social needs, and make corresponding answers based on their professional characteristics

• Have market awareness, aesthetic awareness, innovation awareness and team awareness;

3.4. Service Orientation

Adapted career positions:

• Be able to work in different levels and types of project design, technical production, organization and implementation, creative planning and design in a design institutes or design companies.

• Be able to work as project management in branded commercial companies, real estate development and other companies

• Be able to take charge of project deepening and corresponding management works in construction enterprises

• Be able to establish independent or joint ventures and become freelance designers

4. Schooling System

Four-year undergraduate education

5. Length of Study

Generally four years. The length of schooling can be flexible from no less than three years to no longer than six years.

6. Requirements for Graduation and Degree Conferring

Students of this program must complete the minimum credits required for each category of courses and complete all the content specified in extracurricular class according to the requirements of the instructional training plan, and the total credits must reach 152 credits for graduation; those who meet the requirements for bachelor's degree can be conferred bachelor degree in arts.

7. Discipline

Art theory, design science, aesthetics, psychology

8. Core Courses

8.1. Design Sketch

Through the teaching and practice of this course, students will be able to correctly observe, analyze and express objects from the perspective of structure, improve their modeling ability, expressive ability, creative ability and aesthetic ability, and lay a solid foundation for professional learning.

8.2. Constitution of Design

Through the teaching and practice of this course, students will understand the basic concepts and characteristics of design constitution, understand the development history and application of design constitution, master the basic principles, methods and expressive power of plane, color and three-dimensional composition, and improve the aesthetics and creativity of design form, thus laying a solid foundation for professional learning.

8.3. Expression Methods of Design

Through the study of this course, students will understand the application of design expression techniques, recognize the difference between design expression drawings and pure painting, focus on combining scientific perspective drawing methods, proportions, and scales, and master the drawing methods and skills of design envisioned drawings.

8.4. Architectural Drawing

This course is to learn the drawing norms and methods of architecture and interior design on the basis of perspective and descriptive geometry. If a designer wants to fully express his design intent to the audience, he must master the expression methods and basic techniques of design drawing. Through the study of architectural drawing, students will cultivate a serious and responsible attitude and a rigorous and meticulous work style.

8.5. History of Architecture and Interior Design

The main task of this course is to enable students to understand the main architectural types, architectural styles, architectural representatives and works of different periods; improve students'

architectural artistic accomplishment and analysis ability; deepen their knowledge and understanding on architecture; cultivate students' methods and ability of developing and organizing design; and provide services for future professional design creation.

8.6. Building model making

This course is to enable students to grasp the basic structure and space composition principles of the building that forms the indoor space; understand the shape and concept of the building through the model of the building; and train their practical ability.

8.7. Interior Design

This course mainly teaches the principles and applications of architectural interior design, trains students to grasp the space from the interior of the building, and to use material technology and artistic methods according to the practical nature of the space, to create beautiful and comfortable indoor environment with reasonable functions and meeting people's physiological and psychological needs. This course focuses on the design of commercial space, office and home space.

8.8. Furnishing art design

This course mainly describes the basic concepts and methods of furnishing art design, and guides students to obtain a certain selection of interior furnishings and planning and design capabilities through learning, and then create a more humanistic indoor environment that is more in line with people's physiological and psychological needs.

8.9. Landscape Design

Landscape design is a course that teaches students to establish a systematic concept of the environment, break the one-way thinking and closed creation methods, and obtain the ability to comprehensively design landscapes through the design and planning of specific environmental landscapes.

9. Practical Training (Related courses)

Design Sketch, Constitution of Design, photography, material modeling, architectural foundation and model making, inspection, physical design of major professional courses, graduation design.

10. Course Structure and Course Hours (excluding extracurricular class)

Category	Total Credit	%	Total Course Hours	Theory Learning	Practical Training
General Education	34.5	23	688	624	64
Basic Course	28	19	448	132	316
Professional Course	78.5	52	1456	356	1100
General Course	10	6	160	160	0
Total	151	100%	2752	1272	1480
Theory : Practice(%)	46：54				

11. Teaching Schedule (1)

Category	Type	Provided by	Course Code	Course Name	Assessment	Credit	Course Hour	Theory Learning	Practical Training	Semester
General Education	Required	School of Marxism	b1080001	Basic principles of Marxism	Test	3	48	42	6	Autumn semester 1
	Required	School of Marxism	b1080003	Ideological and moral cultivation and legal foundation	Non-test	3	48	42	6	Autumn semester 1
	Required	School of Marxism	b1080006	Outline of Chinese Modern History	Non-test	3	48	42	6	Spring semester 1
	Required	School of Marxism	b1080004	Introduction to Mao Zedong Thought and the Theoretical System of Socialism with Chinese Characteristics I	Test	3	48	42	6	Autumn semester 2
	Required	School of Marxism	b1080007	Introduction to Mao Zedong Thought and the Theoretical System of Socialism with Chinese Characteristics II	Test	2	32	28	4	Spring semester 2
	Required	School of Marxism	-----	Situation and Policy (Module 1～4)	Non-test	2	32	28	4	Autumn semester 1～ Spring semester 2
	Required	School of Marxism	b1080008	Labor Education A	Non-test	0.5	16	16		Spring semester 1
	Required	College of Arts and Sciences	b1020018	College Chinese	Non-test	2	32	32		Autumn semester 1
	Required	Department of Physical Education	-----	Physical Education I～VI	Non-test	3	160	160		Autumn semester 1～ Autumn semester 4
	Required	Others	b1110003	Military skills	Non-test	0.5	2W			Autumn semester 1
	Required	College of Arts and Sciences	b1110002	Military theory	Non-test	0.5	32	32		Spring semester 1
	Required	Engineering Training Center	b1090001	Basic engineering training	Non-test	2	32		32	Autumn semester 1
	★ English (Selective, 1 Module , 10 credits)	Module A	b1020003	General English III	Test	3	48	48		Autumn semester 1
			b1020004	General English IV	Test	3	48	48		Spring semester 1
			b1020005	General Academic English A	Test	2	32	32		Autumn semester 2
			---	English development	Non-test	2	32	32		Spring semester 2
		Module B	b1020002	General English II	Test	3	48	48		Autumn semester 1
			b1020003	General English III	Test	3	48	48		Spring semester 1
			b1020006	General Academic English B	Test	2	32	32		Autumn semester 2
			---	English development	Non-test	2	32	32		Spring semester 2
		Module C	b1020001	General English I	Test	4	64	64		Autumn semester 1
			b1020002	General English II	Test	3	48	48		Spring semester 1
			b1020003	General English III	Test	3	48	48		Autumn semester 2
	★ German	College of Arts and Sciences	b1020040	German I	Test	3	48	48		Autumn semester 1
		College of Arts and	b1020041	German II	Test	3	48	48		Spring semester 1

Category	Type	Provided by	Course Code	Course Name	Assessment	Credit	Course Hour	Theory Learning	Practical Training	Semester
		Sciences								
		College of Arts and Sciences	b1020042	German III	Test	4	64	64		Autumn semester 2
	★ Japanese	College of Arts and Sciences	b1020077	Japanese I	Test	3	48	48		Autumn semester 1
		College of Arts and Sciences	b1020078	Japanese II	Test	3	48	48		Spring semester 1
		College of Arts and Sciences	b1020079	Japanese III	Test	4	64	64		Autumn semester 2
Sub-total (General Education)						**34.5**	**688**	**624**	**64**	
General Course	Selective	Others	b0-----	Social Science and Humanities Literacy (4 credits) Natural Science and Technological Innovation (4 credits) Other optional (2 credits)	Non-test	10	160	160		Autumn, Spring
Sub-total (General Course)						**10**	**160**	**160**	**0**	

(★Note: The first foreign language has a total of 10 credits, including College English, German, and Japanese. Choose the appropriate language according to your needs; among them, if you choose College English, please choose the appropriate module in module ABC)

11. Teaching Schedule (2)

Category	Type	Provided by	Course Code	Ability module	Course Name	Assessment	Credit	Course Hour	Theory Learning	Practical Training	Semester
Basic Course	Required	School of Applied Art and Design	b2041098	Design styling ability	Design concept	Test	2	32	20	12	Autumn semester 1
	Required	School of Applied Art and Design	b2041162		Design Sketch	Test	2	32	8	24	Autumn semester 1
	Required	School of Applied Art and Design	b2041099		Constitution of Design(A)	Test	3	48	12	36	Autumn semester 1
	Required	School of Applied Art and Design	b2041163		Constitution of Design(B)	Test	3	48	12	36	Autumn semester 1
	Required	School of Applied Art and Design	b2041182		Material and technology	Test	3	48	12	36	Autumn semester 2
	Required	School of Applied Art and Design	b2041183		Space cognition	Non-test	1	16	4	12	Summer semester 1
	Required	School of Applied Art and Design	b2041184		Photography basics	Test	2	32	8	24	Summer semester 1
	Sub-total						16	256	76	180	
	Required	School of Applied Art and Design	b2041185	Design expression ability	Architectural Drawing	Test	2	32	8	24	Spring semester 1
	Required	School of Applied Art and Design	b2041094		Expression Methods of Design	Test	3	48	16	32	Spring semester 1
	Required	School of Applied Art and Design	b2041021		Arrangement design (including PS)	Test	2	32	12	20	Autumn semester 2
	Required	School of Applied Art and Design	b2041186		Computer Aided Design (A)	Test	2	32	8	24	Autumn semester 2
	Selective 3credits	School of Applied Art and Design	b2041187		Computer Aided Design (B)	Test	3	48	12	36	Spring semester 2
		School of Applied Art and Design	b2041188		Computer Aided Design (C)	Test	3	48	12	36	Spring semester 2
	Sub-total						12	192	56	136	
	Sub-total (Basic Course)						28	448	132	316	

11. Teaching Schedule (3)

Category	Type	Provided by	Course Code	Ability module	Course Name	Assessment	Credit	Course Hour	Theory Learning	Practical Training	Semester
Professional Course	Required	School of Applied Art and Design	b2041071	Advanced Environment Design capabilities	Elementary Architecture	Test	3	48	16	32	Spring semester 1
	Required	School of Applied Art and Design	b2041072		Manufacturing of Architectural Model	Test	3	48	12	36	Spring semester 1
	Required	School of Applied Art and Design	b2041073		History of Architecture and Interior Design	Test	3	48	40	8	Spring semester 1
	Required	School of Applied Art and Design	b2041189		Design thinking and expression	Test	2	32	12	20	Spring semester 2
	Selective 2 credits	School of Applied Art and Design	b2041096		Design method	Test	2	32	24	8	Autumn semester 2
		School of Applied Art and Design	b2041125		Principles of Interior Design	Test	2	32	24	8	Autumn semester 2
		School of Applied Art and Design	b2041142		Principles of Garden Design	Test	2	32	24	8	Autumn semester 2
	Selective 2 credits	School of Applied Art and Design	b2041027		Material modeling (A)	Test	2	32	8	24	Summer semester 2
		School of Applied Art and Design	b2041190		Design and construction	Non-test	2	32	8	24	Summer semester 2
		Sub-total					15	240	112	128	
	Required	School of Applied Art and Design	b2041070	Environment Design application ability	Furniture design	Test	3	48	12	36	Spring semester 2
	Required	School of Applied Art and Design	b2041121		Interior Design(A)	Test	5	80	20	60	Autumn semester 2
	Required	School of Applied Art and Design	b2041122		Interior Design(B)	Test	5	80	20	60	Spring semester 2
	Required	School of Applied Art and Design	b2041191		Interior Design(C)	Test	6	96	20	76	Autumn semester 3
	Required	School of Applied Art and Design	b2041124		Interior Design(D)	Test	5	80	20	60	Spring semester 3
	Required	School of Applied Art and Design	b2041192		Landscape Design(A)	Test	4	64	16	48	Autumn semester 3
	Required	School of Applied Art and Design	b2041081		Landscape Design(B)	Test	4	64	16	48	Spring semester 3
	Required	School of Applied Art and Design	b2041193		Furnishing art design	Test	4	64	16	48	Spring semester 3

Category	Type	Provided by	Course Code	Ability module	Course Name	Assessment	Credit	Course Hour	Theory Learning	Practical Training	Semester
				Sub-total			36	576	140	436	
	Required	School of Applied Art and Design	b2041126	Engineering technology application ability	Interior lighting design	Test	2	32	12	20	Autumn semester 3
	Required	School of Applied Art and Design	b2041194		Building decoration materials and structures	Test	4	64	24	40	Spring semester 2
	Selective 2credits	School of Applied Art and Design	b2041120		Indoor environment and equipment	Non-test	2	32	20	12	Spring semester 3
		School of Applied Art and Design	b2041083		Green and sustainable Environment Design	Non-test	2	32	20	12	Spring semester 3
				Sub-total			8	128	56	72	
	Required	School of Applied Art and Design	b2041195	Environment Design extension capacity	Exhibition Design	Test	3	48	12	36	Autumn semester 3
	Selective 3 credits	School of Applied Art and Design	b2041057		Public art design	Test	3	48	12	36	Autumn semester 4
		School of Applied Art and Design	b2041196		Thematic design	Test	3	48	12	36	Autumn semester 4
	Selective 3 credits	School of Applied Art and Design	b2041111		Design marketing	Test	3	48	16	32	Autumn semester 4
		School of Applied Art and Design	b2041103		Design frontier	Test	3	48	16	32	Autumn semester 4
	Selective 2 credits	School of Applied Art and Design	b2041197		Design practice and analysis	Non-test	2	32	8	24	Summer semester 3
		School of Applied Art and Design	b2041198		Environment-oriented design	Non-test	2	32	8	24	Summer semester 3
				Sub-total			11	176	48	128	
	Required	School of Applied Art and Design	b4000038		Environment Design Professional Innovation and Entrepreneurship	Non-test	2	32	0	32	Autumn semester 4
	Required	School of Applied Art and Design	b4040014		Labor Education B	Non-test	0.5	16		16	Spring semester 3
	Required	School of Applied Art and Design	b4040010		Graduation Practice and Graduation Design (Thesis) for Environment Design Program	Non-test	6	288		288	Spring semester 4
				Sub-total			8.5	336		336	
Sub-total (professional courses)							78.5	1456	356	1100	

Category	Type	Provided by	Course Code	Ability module	Course Name	Assessment	Credit	Course Hour	Theory Learning	Practical Training	Semester
Extracurricular Class	Required	Others	b5110001		Extracurricular Class	Non-test	1	-	-	-	Autumn, Spring, Summer
Total							**152**	**2752**	**1272**	**1480**	

12. Prerequisite for Course Study

No.	Course Name	Prerequisite Course	No.	Course Name	Prerequisite Course
1	Constitution of Design(B)	Constitution of Design(A)	6	Interior Design(C)	Interior lighting design
2	Expression Methods of Design	Architectural Drawing			Building decoration materials and structures
			7	Furnishing art design	Interior Design(D)
3	Computer Aided Design (B) (C)	Architectural Drawing	8	Landscape Design(B)	Landscape Design(A)
		Computer Aided Design (A)			
4	Elementary Architecture, Manufacturing of Architectural Model	Architectural Drawing	9	Interior Design(B)	Computer Aided Design (B)
					Design thinking and expression
5	Interior Design(A)	Design method/Principles of Interior Design			
		History of Architecture and Interior Design			
		Computer Aided Design (A)			

13. Extracurricular Class

Through taking extracurricular classes, students are encouraged to take part in academic lectures, social practice activities, campus cultural and sports activities, innovative and entrepreneurial activities, voluntary activities, etc. to improve their social adaptability and enhance the competitiveness in the job market. Details are specified in Students' Manual.