

Environment Design

(Grade 2024)

Course code: 130503

I. Cultivation Objectives

1. General cultivation objective

This major focuses on project-based training in design thinking, design methods, and design application. It aims to cultivate high-quality application-oriented and innovative talents who can adapt to the development needs of the creative industry, pay attention to current and future issues in the field of environmental design, systematically master the application of professional theories and methods in environmental design, and proficiently use technical tools for environmental design expression. These talents should possess an international professional perspective, team collaboration spirit, modern aesthetic awareness, social responsibility, systematic design thinking, and visual art expression ability, enabling them to engage in planning, design, management, and other work related to interior and landscape design in design institutions, corporate design departments, and other entities.

2. Objective of value guidance

This major always takes core socialist values and Chinese-style modernization as its value guidance, adheres to fostering virtue through education, and realizes all-round ideological and political education. In the teaching of public basic courses and general education courses, it cultivates students' personality and moral character; in professional teaching, it emphasizes the learning and visual translation of China's excellent traditional culture, takes it as its mission to construct a visual environment of Chinese culture, and integrates the craftsman spirit into professional practice; in daily academic lectures and exchanges, it expands students' understanding of cutting-edge knowledge, enhances their international perspective and enables them to develop critical judgment. Ultimately, it aims to cultivate students into socialist builders and successors who are well-developed morally, intellectually, physically, aesthetically, and laboriously.

3. Five years after graduation, students in this program should achieve the following objectives:

Five years after graduation, through practical work in enterprises and self-learning, students should be able to engage in interior design, landscape design, architectural decoration and other aspects of work in home decoration, industrial decoration, landscape, architecture and other industries or fields, and be competent to take up positions such as lead designer and project manager, and become the core player design or management in company.

II. Graduation requirements

Serial No.	Graduation Requirements	Specific Contents
1	Graduation Requirement 1: Morality, Physical & Mental Literacy and Professional Norms	1-1 Establish cultural confidence, and learn and understand the excellent traditional architectural culture. 1-2 Possess literacy in the humanities and social sciences, as well as a sense of social responsibility. 1-3 Have a sound psychological quality and a healthy physique, and be capable of fulfilling the responsibilities of an environmental design practitioner. Maintain mental health, hold a passion for life, work proactively, and study diligently. Possess strong willpower, stable emotions, and a sound personality.

Serial No.	Graduation Requirements	Specific Contents
		<p>1-4 Cultivate professional ethics and social awareness, and pay attention to and understand the current social issues of the times.</p> <p>1-5 Be able to understand and abide by professional ethics and norms in engineering practice, fulfill responsibilities, and demonstrate a sense of responsibility, dedication to the country, and service to society.</p>
2	Graduation Requirement 2: Professional/Engineering Knowledge	<p>2-1 Master the basic theories and knowledge of environmental design, materials and structures for spatial design, and the knowledge and capabilities related to environmental design.</p> <p>2-2 Master the general procedures and methods of environmental design.</p> <p>2-3 Through the study of technical courses, understand the characteristics of spatial materials and structures as well as their design methods, and comprehend the instrumental and practical nature of interior and exterior architectural design.</p>
3	Graduation Requirement 3: Problem Analysis	<p>3-1 Master the basic principles and methods of identifying and analyzing problems.</p> <p>3-2 Master the methods of interior and exterior environmental design, and be able to apply basic principles to analyze the influencing factors in the problem-solving process and demonstrate the rationality of solutions.</p>
4	Graduation Requirement 4: Design/Solutions	<p>4-1 Master the basic theories and practical operation methods of environmental design.</p> <p>4-2 Be able to comprehensively apply the mastered theoretical knowledge to develop the ability to conduct the whole-process design of interior and exterior spaces, including basic research, analytical study, strategy formulation, document compilation, and drawing drafting.</p> <p>4-3 Possess the ability to comprehensively apply the theories and methods of environmental spatial design, as well as a proactive ability in independent design innovation.</p>
5	Graduation Requirement 5: Design Research	<p>5-1 Master the professional knowledge of the discipline centered on spatial design, and the knowledge of environmental design ranging from design fundamentals, introduction, principles to engineering application.</p> <p>5-2 Be familiar with the knowledge related to the history, society, economy, policies, and culture of architecture and interior design.</p> <p>5-3 Master the development trends and cutting-edge knowledge of the environmental design discipline at home and abroad.</p> <p>5-4 Have the ability to analyze and assess topics related to environmental design, and propose certain solution strategies.</p>
6	Graduation Requirement 6: Design and Society	<p>6-1 Be able to comprehensively apply the learned basic theories, professional knowledge, and basic skills to the profession through participation in internships and practical activities.</p> <p>6-2 Cultivate the ability to independently engage in environmental design and design management during internships and practical activities, and enhance the understanding and capability in relation to actual engineering projects.</p> <p>6-3 Be able to adapt to on-site work, possess the ability to cooperate with others, and understand the responsibilities associated with the work undertaken.</p>
7	Graduation Requirement 7: Design and Tool Application	<p>7-1 Be able to express the intentions and achievements of environmental design through written, oral, model, image, media, or other information-based methods and means.</p> <p>7-2 Master the necessary basic knowledge and skills of professional design and graphic software, and use these professional software for the analysis, drawing, and document compilation of environmental design.</p> <p>7-3 Learn to conduct environmental design and related research through modern computer software tools and methods.</p>
8	Graduation Requirement 8: Environment and Sustainable Development	<p>8-1 Fully recognize the impact of the environmental design discipline and profession on natural ecology, humanistic history, the environment, and social sustainable development.</p> <p>8-2 Be able to evaluate various systems and engineering practices in the professional field, and judge their adverse impacts on the ecological environment.</p>

Serial No.	Graduation Requirements	Specific Contents
		8-3 From the perspective of the relevant professional knowledge of this discipline, be able to understand and evaluate the impact of professional engineering practices for complex engineering problems on the ecological environment, and consciously apply this understanding comprehensively in design practice.
9	Graduation Requirement 9: Individual and Teamwork	9-1 Be able to take on the roles of individual, team member, and leader in teams with interdisciplinary or cross-disciplinary backgrounds.
		9-2 Possess the spirit or awareness of teamwork.
		9-3 Have an international perspective and be full of innovative spirit.
		9-4 Possess a strong sense of responsibility, the ability to collaborate with others and communicate, as well as the interdisciplinary awareness and ability to coordinate and dispatch resources.
10	Graduation Requirement 10: Lifelong Learning	10-1 Possess the ability of autonomous learning and the awareness of lifelong learning.
		10-2 Possess the ability to continuously learn in the professional field and adapt to the new developments in design.

III. Schooling System

Four years.

IV. Length of Study

Flexible study period, generally four years, the minimum length of flexibility is not less than three years, the longest not more than six years.

V. Requirements for Graduation and Degree Conferring

In order to graduate, students must complete the minimum number of credits required by the Instructive Cultivation Plan for each type of course and all the content required by the Extracurricular Class, with a total of 158 credits, and a Bachelor of Fine Arts degree if they meet the requirements for the award of a Bachelor's degree.

VI. Discipline

Discipline: Design Studies

Interdisciplinary: Architecture, Art, Landscape Architecture

VII. Core Courses

Design composition, preliminary architecture, interior design, landscape design, furniture design, furnishing art design, display design, virtual space and digital exhibition design, public environmental facilities design, thematic design

VIII. Course Structure and Course Hours (excluding Extracurricular Class)

Category	Total Credit	%	Total Course Hours	Theory Learning	Practical Training
Public Fundamental Course	39.5	25	768	678	90

General Education	10	6	160	160	0
Professional Fundamental Course	28	18	448	132	316
Professional Course	79.5	51	1472	364	1108
Total	157	100	2848	1334	1514
Theory:Practical	47:53				

IX. Teaching schedule (1)

Category	Type	Provided by	Course Code	Course Name	Assessment	Credit	Course Hours	Theory Learning	Practical Training	Recommended semester	
Public Fundamental Course	required	School of Marxism	b1080001	Basic Principles of Marxism	test	3	48	42	6	Autumn 1	
	required	School of Marxism	b1080009	Ethics and the Rule of Law	non-test	3	48	42	6	Autumn 1	
	required	School of Marxism	b1080006	Outline of Modern Chinese History	non-test	3	48	42	6	Spring 1	
	required	School of Marxism	b1080010	Introduction to Mao Zedong Thought and the Theoretical System of Socialism with Chinese Characteristics I	test	3	48	42	6	Autumn 2	
	required	School of Marxism	b1080011	Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	test	3	48	42	6	Spring 2	
	required	School of Marxism	----	Situation and Policy (Modules 1 to 4)	non-test	2	32	28	4	Autumn 1 to Spring 2	
	required	School of Marxism	b1080008	Labour Education A	non-test	0.5	16	16		Spring 1	
	required	College of Arts and Sciences	b1020018	Academic Chinese	non-test	2	32	32		Autumn 1	
	required	College of Physical Education	----	Physical Education I to VI	non-test	3	160	160		Autumn 1 to Autumn 4	
	required	Others	b1110003	Military skills	non-test	0.5	2W			Autumn 1	
	required	College of Arts and Sciences	b1110002	Military theory	non-test	0.5	32	32		Spring 1	
	required	Engineering Training	b1090001	Basic Engineering Training	non-test	2	32		32	Autumn 1	
	required	School of Computer and	b1012001	Applications and Practice of Artificial Intelligence	non-test	1	16	8	8	Spring 1	
	required	School of Resources and	b1013002	Low-carbon and Ecological Civilization	non-test	1	16	16		Autumn 1	
	★ Academic English(Select 1 Module for 10 Credits)	Module A		b1020003	General English III	test	3	48	48		Autumn 1
				b1020004	General English IV	test	3	48	48		Spring 1
				b1020005	General Academic English A	test	2	32	32		Autumn 2
				---	English Knowledge Expansion	non-test	2	32	32		Spring 2
		Module B		b1020002	General English II	test	3	48	48		Autumn 1
				b1020003	General English III	test	3	48	48		Spring 1
				b1020006	General Academic English B	test	2	32	32		Autumn 2
				---	English Knowledge Expansion	non-test	2	32	32		Spring 2
		Module C		b1020001	General English I	test	4	64	64		Autumn 1
				b1020002	General English II	test	3	48	48		Spring 1
				b1020003	General English III	test	3	48	48		Autumn 2
		★ Academic German	School of Foreign Languages	b1020040	Academic German I	test	3	48	48		Autumn 1
School of Foreign Languages			b1020041	Academic German II	test	3	48	48		Spring 1	
School of Foreign Languages	b1020042		Academic German III	test	4	64	64		Autumn 2		
★ Academic Japanese	School of Foreign Languages	b1020077	Academic Japanese I	test	3	48	48		Autumn 1		
	School of Foreign Languages	b1020078	Academic Japanese II	test	3	48	48		Spring 1		
	School of Foreign Languages	b1020079	Academic Japanese III	test	4	64	64		Autumn 2		
required	Others	b1110004	Mental Health Education for University Students		2	32	16	16	Spring 1		
Subtotal(Public Fundamental Course)							39.5	768	678	90	
General Education	selective	Art Education Center	b0----	Aesthetic Education	non-test	2	32	32		Autumn, Spring	
	selective	Others	b0----	Social Sciences and Humanistic Qualities	non-test	4	64	64		Autumn, Spring	
				Natural Sciences and Technology Innovation	non-test	4	64	64		Autumn, Spring	
Subtotal(General Education)							10	160	160		

(★Note: The first foreign language is 10 credits in total, including 3 languages: Academic English, Academic German and Academic Japanese, choose the appropriate language as required; when Academic English is chosen, please choose the appropriate module in Module A, B, C)

IX. Teaching schedule (2)

Category	Type	Provided by	Course Code	Ability Module	Course Name	Assessment	Credit	Course Hours	Theory Learning	Practical Training	Recommended semester		
Professional Fundamental Course	required	School of Applied Arts and Design	b2041098	Abilities of designing and styling	Introduction to Design	Test	2	32	20	12	Autumn 1		
	required	School of Applied Arts and Design	b2041162		Design sketches	Test	2	32	8	24	Autumn 1		
	required	School of Applied Arts and Design	b2041099		Design Composition (A)	Test	3	48	12	36	Autumn 1		
	required	School of Applied Arts and Design	b2041163		Design Composition (B)	Test	3	48	12	36	Autumn 1		
	required	School of Applied Arts and Design	b2041182		Materials and Processes	Test	3	48	12	36	Autumn 2		
	required	School of Applied Arts and Design	b2041183		Spatial consciousness visits	Non-Test	1	16	4	12	Summer 1		
	required	School of Applied Arts and Design	b2041184		Fundamentals of Photography	Test	2	32	8	24	Summer 1		
	subtotal								16	256	76	180	
	required	School of Applied Arts and Design	b2041185	Abilities to express design	Architectural drawing	Test	2	32	8	24	Spring 1		
	required	School of Applied Arts and Design	b2041322		Design Representation and AI	Test	3	48	16	32	Spring 1		
	required	School of Applied Arts and Design	b2041021		Choreography (with PS)	Test	2	32	12	20	Autumn 2		
	required	School of Applied Arts and Design	b2041186		Computer Aided Design (A)	Test	2	32	8	24	Autumn 2		
	selective 3 credits	School of Applied Arts and Design	b2041187		Computer Aided Design (B)	Test	3	48	12	36	Spring 2		
		School of Applied Arts and Design	b2041188		Computer Aided Design (C)	Test	3	48	12	36	Spring 2		
	Subtotal								12	192	56	136	
Subtotal (Professional Fundamental Course)								28	448	132	316		

IX. Teaching schedule (3)

Category	Type	Provided by	Course Code	Ability Module	Course Name	Assessment	Credit	Course Hours	Theory Learning	Practical Training	Recommended semester	
Professional Course	required	School of Applied Arts and Design	b2041071	Abilities of Environmental Design	Architectural Preliminary	test	3	48	16	32	Spring 1	
	required	School of Applied Arts and Design	b2041072		Architectural modelling	test	3	48	12	36	Spring 1	
	required	School of Applied Arts and Design	b2041073		History of Architecture and Interior	test	3	48	40	8	Spring 1	
	required	School of Applied Arts and Design	b2041189		Design thinking and expression	test	2	32	12	20	Spring 2	
	selective 2 credits	School of Applied Arts and Design	b2041096		Design Methodology	test	2	32	24	8	Autumn 2	
		School of Applied Arts and Design	b2041125		Principles of interior design	test	2	32	24	8	Autumn 2	
	selective 2 credits	School of Applied Arts and Design	b2041142		Principles of Landscape Design	test	2	32	24	8	Autumn 2	
		School of Applied Arts and Design	b2041027		Material shape (A)	test	2	32	8	24	Summer 2, Spring 2	
	required	School of Applied Arts and Design	b2041190		Design & Build	non-test	2	32	8	24	Summer 2, Spring 2	
	required	School of Applied Arts and Design	b2041242	Design research and analysis	non-test	2	32	8	24	Summer 2, Spring 2		
	subtotal								17	272	120	152
	required	School of Applied Arts and Design	b2041070	Abilities to apply environmental design	Furniture design	test	3	48	12	36	Spring 2, Summer 2	
	required	School of Applied Arts and Design	b2041243		Interior Design (A)	test	4	64	16	48	Autumn 2	
	required	School of Applied Arts and Design	b2041122		Interior Design (B)	test	5	80	20	60	Spring 2	
	required	School of Applied Arts and Design	b2041244		Interior Design (C)	test	5	80	20	60	Autumn 3	
	required	School of Applied Arts and Design	b2041192		Landscape Design (A)	test	4	64	16	48	Autumn 3	
	required	School of Applied Arts and Design	b2041245		Landscape Design (B)	test	5	80	20	60	Spring 3	
	required	School of Applied Arts and Design	b2041146		Display Art Design	test	3	48	16	32	Spring 3	
	subtotal								29	464	120	344
	required	School of Applied Arts and Design	b2041126	Abilities to apply engineering technology	Interior lighting design	test	2	32	12	20	Autumn 3	
	required	School of Applied Arts and Design	b2041194		Building Decoration Materials and	test	4	64	24	40	Spring 2, Summer 2	
	selective 3 credits	School of Applied Arts and Design	b2041323		Environmental Psychology	non-test	3	48	20	28	Autumn 3	
		School of Applied Arts and Design	b2041324		Green and Sustainability Environment	non-test	3	48	20	28	Autumn 3	
	subtotal								9	144	56	88
	required	School of Applied Arts and Design	b2041325	Abilities to extend environmental design	Virtual Space and Digital Exhibition	test	3	48	12	36	Spring 3	
	selective 3 credits	School of Applied Arts and Design	b2041247		Design of public environmental facilities	non-test	3	48	16	32	Spring 3, Summer 3	
		School of Applied Arts and Design	b2041248		Design Practice and Analysis	non-test	3	48	16	32	Spring 3, Summer 3	
	selective 2 credits	School of Applied Arts and Design	b2041249		Career Development and Portfolio	non-test	2	32	8	24	Spring 3, Summer 3	
		School of Applied Arts and Design	b2041250		Design Workshon	non-test	2	32	8	24	Spring 3, Summer 3	
	selective 4 credits	School of Applied Arts and Design	b2041251		Thematic design 1	test	4	64	16	48	Autumn 4	
		School of Applied Arts and Design	b2041252		Thematic design 2	test	4	64	16	48	Autumn 4	
	required	School of Applied Arts and Design	b2041326		Public Art Design	test	2	32	8	24	Autumn 4	
	required	School of Applied Arts and Design	b2041327		Design Frontiers	test	2	32	8	24	Autumn 4	
subtotal								16	256	68	188	
required	School of Applied Arts and Design	b4000038	the Program of Environment Design Innovation and Entrepreneurship		non-test	2	32	0	32	Spring 3, Summer 3		
required	School of Applied Arts and Design	b4040014	Labour Education B		non-test	0.5	16		16	Spring 3		
required	School of Applied Arts and Design	b4040010	Environment Design graduation internship and graduation design (thesis)		non-test	6	288		288	Spring 4		
subtotal								8.5	336		336	
subtotal (Professional Course)								79.5	1472	364	1108	

Category	Type	Provided by	Course Code	Ability Module	Course Name	Assessment	Credit	Course Hours	Theory Learning	Practical Training	Recommended semester	
Extracurricular Class	required	Others	b5110001	Extracurricular Class		non-test	1	-	-	-	Autumn, Spring, Summer	
Total								158	2848	1334	1514	

X. Credit of 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.