

Course Syllabus

1. **Course Title:** Industrial architecture and urban planning
2. **Course Code:** IAUP125710
3. **Credit Units:** 2 (2/0/4) (2 units of theory/ 0 unit of practice/ 4 units of self-study)
Duration: 15 weeks (2 hours of theory + 0 hours of practice, and 4 hours of self-study per week)
4. **Course Instructors**
1/ MSc. Nguyen Ha Trang
2/ MSc. Nguyen Thi Tinh Au
5. **Course Requirements**
Prerequisite courses: None
Previous courses:
Parallel courses: None
6. **Course Description**
Introduction to planning, overview of planning from pre history to current, planning theories, urbanisation in Viet Nam, designing industrial factory.

Goals	Goal Description	Programme ELOs
G1	Apply the specialized knowledge on Industrial architecture and urban planning to manage environment	ELO3
G2	Analyze the plan of urban sustainably	ELO6
G3	The ability to conceive ideas and plan a industrial factory	ELO12

7. Course Learning Outcomes (CLOs)

CLOs	CLO Description	Programme ELOs	
G1	CLO1	Review urban development in history	
	CLO2	Analyze main structures of urban	
	CLO3	Categorize main functions of a industrial factory	
G2	CLO4	Identify socio-economic issues in a plan	ELO6
G3	CLO5	Diagram production areas in a industrial factory	ELO12

8. Learning Resources

- Textbooks:

[1] Vietnam institute of architecture, urban and rural urban planning, Urban Design, Tap chi Xay Dung

- References:

[2] TS. KTS. Vũ Duy Cừ (2003), Quy hoạch khu công nghiệp – Thiết kế mặt bằng tổng thể nhà máy và công trình công nghiệp, NXB. Xây dựng.

[3] José Luis Miralles i Garcia (2003), Strategic environmental assessment in urban Planning. The case of valencian community: the Problem of management.

[4] Union of the Bantic cities (2009), Environmental Bulletin No2

9. Student Assessment

- Grading scale: **10**

- Assessment plan:

Type	Content	Timeline	Assessment method	CLOs	Rate (%)
Processing Assessment					50
BT#1	Homework: Assess a master plan for an urban area	Week 3	Assignment	CLO2 CLO4	10
PRJ#1	Project 1: Assignment Design a green industrial park	Week 8	Assignment	CLO3 CLO4 CLO5	20
BT#2	Online test	Week 12	Multicipal test	CLO1 CLO2 CLO3	20
Final exam					50
Total					100

10. Course Content

Week	Content	CLOs
1-2	Chapter 1: The process for establishing and developing urban (4,0,8)	
	A/ Content and pedagogical methods in class: (4h) Content: 1.1 Origin and Urban Formation 1.2 History of urban development in the world 1.3 The process of urban development in Vietnam 1.4 Urbanization 1.5 Theory of urban design in the world and Vietnam	CLO1

	<p>Pedagogical methods: + Presentation of lecture + Focus group discussion</p>	
	<p>B/ Self-study content: (8h) + Review the content of chapter 1</p>	
3-5	<p>Chapter 2: STRUCTURE OF URBAN URBAN AREAS (6,0,12)</p>	
	<p>A/ Content and pedagogical methods in class: (6h) Content: 2.1 Definitions 2.2 Classification of urban areas 2.3 Urban population size 2.4 Structure of overall space planning Pedagogical methods: + Presentation of lecture + Group exercises + Discussion</p>	<p>CLO2 CLO4</p>
	<p>B/ Self-study content: (12h) + BT#1: Homework</p>	
6-9	<p>Chapter 3: PUBLIC INFRASTRUCTURE (8,0,16)</p>	
	<p>A/ Content and pedagogical methods in class: (8h) Content: 3.1. Composition of public infrastructure 3.2. Traffic network 3.3. Public toilets 3.4. Public lighting system 3.5. Green plants Pedagogical methods: + Presentation of lecture + Group exercises</p>	<p>CLO2</p>
	<p>B/ Self-study content: (16h) + BT#1: Homework + Review the content of chapter 1,2,3 to prepare for online test + BT#2: Online test</p>	

	Chapter 4: INDUSTRIAL ARCHITECTURE (8,0,16)	
10-13	A/ Content and pedagogical methods in class: (8h) Content: 4.1 Definitions 4.2 Classification of industrial zones 4.3 The relationship between industrial zones and urban areas 4.4 Structure of industrial zone planning 4.5 Design site of workshop Pedagogical methods: + Presentation of lecture + Power point presentation + Focus group discussion	CLO3 CLO4 CLO5
	B/ Self-study content: (16h) + Review	
14-15	Presentation PRJ#1	

11. Learning Ethics

Students must do homework by themselves. If plagiarism is found students will get zero point.

12. **Date of first approval:** August 1st, 2012

13. **Approved by:**

Dean

Head of Department

Compiler

Prof. Nguyen Van Suc

MSc Nguyen Thi Minh Nguyet

MA Nguyen Thi Tinh Au

14. Date and Up-to-date content

1st time in 2015 - Update content and structure of the programme adjusted in: - Content and assessment method	Instructor: Nguyen Ha Trang Head of Department: Dr Tran Thi Kim Anh
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