

Tamkang University Academic Year 112, 1st Semester Course Syllabus

Course Title	ARCHITECTURAL DESIGN (III)	Instructor	LI, MEI-HUEI
Course Class	TEAXB3H DEPARTMENT OF ARCHITECTURE, 3H	Details	<ul style="list-style-type: none"> ◆ General Course ◆ Required ◆ 1st Semester
Relevance to SDGs	SDG3 Good health and well-being for people SDG4 Quality education		
Departmental Aim of Education			
<p>I. Discern and understand current society and trends of development (Knowledge accumulation).</p> <p>II. Training of professionalism (Knowledge implementation).</p> <p style="margin-left: 20px;">1. Learning of professional skills and practice.</p> <p style="margin-left: 20px;">2. Cultivation of a character attending to social justice and public interest for architectural professionalism.</p> <p style="margin-left: 20px;">3. Inspiring creative thinking in environment and architecture design discipline.</p> <p>III. Implementation of inter-disciplinary knowledge and team works (self-educating and growth).</p>			
Subject Departmental core competences			
<p>A. Abilities in architectural design, creativities, aesthetics, and cumulating of knowledge for the development of architectural professionalism.(ratio:30.00)</p> <p>B. Competence of logical reasoning and judgment for issue discovering, information gathering, analysis and problem solutions, and integration conceptual thinking into physical forms.(ratio:20.00)</p> <p>C. Understanding and application of fundamental mathematics and science skills.(ratio:5.00)</p> <p>D. Understanding of knowledge from socio-cultural, humanity and psychology disciplines for applications in architectural thinking and problem resolutions.(ratio:5.00)</p> <p>E. Competence in implementation of architectonics, construction, and architectural practices. (ratio:10.00)</p> <p>F. Understanding the functioning of ecological and urban environment and applying in architectural and urban design process.(ratio:10.00)</p> <p>G. Application of information technology for creative works and enhancing communication ability.(ratio:5.00)</p>			

H. Prepared for planning management · effective communication and team-work, understanding of professional ethics and social responsibilities, highly pertinent to current affairs and global perspective.(ratio:15.00)

Subject Schoolwide essential virtues

1. A global perspective. (ratio:20.00)
2. Information literacy. (ratio:5.00)
3. A vision for the future. (ratio:10.00)
4. Moral integrity. (ratio:5.00)
5. Independent thinking. (ratio:25.00)
6. A cheerful attitude and healthy lifestyle. (ratio:5.00)
7. A spirit of teamwork and dedication. (ratio:5.00)
8. A sense of aesthetic appreciation. (ratio:25.00)

Course Introduction

This is a course about pre-design management. Major contents are focused on procedures and methods regarding data collection, translating values into spatial design issues,prioritizing for decision making, and documentation in architectural design process. This course will help students with systemic organization in information processing and synthesis, and enhancing abilities in translating written/quantified requirements into formal and spatial quality in architectural design process.

The correspondences between the course's instructional objectives and the cognitive, affective, and psychomotor objectives.

Differentiate the various objective methods among the cognitive, affective and psychomotor domains of the course's instructional objectives.

- I. Cognitive : Emphasis upon the study of various kinds of knowledge in the cognition of the course's veracity, conception, procedures, outcomes, etc.
- II.Affective : Emphasis upon the study of various kinds of knowledge in the course's appeal, morals, attitude, conviction, values, etc.
- III.Psychomotor: Emphasis upon the study of the course's physical activity and technical manipulation.

No.	Teaching Objectives	objective methods

1	1 to understand pre-design process in architecture profession 2 to learn data collection, analysis, synthesis and evaluation in architectural design process 3 to balance between qualitative/quantitative and scientific/creative abilities	Psychomotor
2	1 to know pre-design process in architecture profession 2 to lean systemic organization in data collection, analysis, synthesis and evaluation in design process 3 to balance qualitative/quantitative, rational/creative requirements in architectural design	Psychomotor

The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	ABCDEFGH	12345678	Lecture, Discussion, Publication	Study Assignments, Discussion(including classroom and online), Report(including oral and written)
2	ABCDEFGH	12345678	Lecture, Discussion, Publication	Study Assignments, Discussion(including classroom and online), Report(including oral and written)

Course Schedule

Week	Date	Course Contents	Note
1	112/09/11 ~ 112/09/17	彈性放假	
2	112/09/18 ~ 112/09/24	課程介紹與概論	
3	112/09/25 ~ 112/10/01	建築計畫定義與本質	
4	112/10/02 ~ 112/10/08	機能理解空間與操作狀態	
5	112/10/09 ~ 112/10/15	建築計畫的圖解與轉化設計發展	
6	112/10/16 ~ 112/10/22	建築計畫擬定準備	
7	112/10/23 ~ 112/10/29	建築計畫擬定	線上非同步教學
8	112/10/30 ~ 112/11/05	資料蒐集與紀錄繪製	
9	112/11/06 ~ 112/11/12	Midterm Exam Week	
10	112/11/13 ~ 112/11/19	觀察與案例資料蒐集(一)	
11	112/11/20 ~ 112/11/26	觀察與案例資料蒐集(二)	

12	112/11/27 ~ 112/12/03	觀察紀錄後的分析	
13	112/12/04 ~ 112/12/10	研擬計畫內容	線上非同步教學
14	112/12/11 ~ 112/12/17	實踐建築計劃內容(一)	
15	112/12/18 ~ 112/12/24	實踐建築計劃內容(二)	
16	112/12/25 ~ 112/12/31	期末報告討論(一)	
17	113/01/01 ~ 113/01/07	Final Exam Week	
18	113/01/08 ~ 113/01/14	Flex week, learning activities should be arranged.	
Key capabilities	self-directed learning Humanistic Caring Problem solving		
Interdisciplinary	STEAM course (S:Science, T:Technology, E:Engineering, M:Math, A field:Integration of Art and Humanist)		
Distinctive teaching	Special/Problem-Based(PBL) Courses		
Course Content	Logical Thinking Environmental Safety 基礎知識		
Requirement	非建築系學生請勿選課		
Textbooks and Teaching Materials	Self-made teaching materials:Textbooks, Presentations, Worksheets		
References	建築計畫與設計前的管理程序 Robert Hershberger 原著 呂以寧 張文男 譯 2001 六合出版社		
Grading Policy	◆ Attendance : 10.0 % ◆ Mark of Usual : 10.0 % ◆ Midterm Exam : 40.0 % ◆ Final Exam : 40.0 % ◆ Other () : %		

Note	<p>This syllabus may be uploaded at the website of Course Syllabus Management System at http://info.ais.tku.edu.tw/csp or through the link of Course Syllabus Upload posted on the home page of TKU Office of Academic Affairs at http://www.acad.tku.edu.tw/CS/main.php .</p> <p>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</p>
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