

Tamkang University Academic Year 113, 2nd 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 ◆ 2nd Semester ◆ 4 Credits
Relevance to SDGs	<p>SDG3 Good health and well-being for people</p> <p>SDG4 Quality education</p> <p>SDG11 Sustainable cities and communities</p> <p>SDG13 Climate action</p>		
D e p a r t m e n t a l A i m o f E d u c a t i o n			
<p>I . Discern and understand current society and trends of development (Knowledge accumulation).</p> <p>II. Training of professionalism (Knowledge implementation).</p> <p style="padding-left: 20px;">1. Learning of professional skills and practice.</p> <p style="padding-left: 20px;">2. Cultivation of a character attending to social justice and public interest for architectural professionalism.</p> <p style="padding-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

Training students to have the ability of logical thinking and independent operation in their design project. Students will focus on the design issues and accumulate their analysis of site context and its surrounding environment;comprehensive ability for spatial organization and planning;integration of building system;and professional skills training.

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	Training students to have the ability of logical thinking and independent operation in their design project. Students will focus on the design issues and accumulate their analysis of site context and its surrounding environment;comprehensive ability for spatial organization and planning;integration of building system;and professional skills training.	Cognitive
2	Training Students to have the ability of logical thinking and independent operation in design process..	Affective
3	Analysis of site context and its surrounding environment.	Psychomotor
4	Comprehensive ability for spatial organization and programming.	Cognitive
5	Integration of building system.	Psychomotor
6	Professional skills training. (sustainable architecture building code; etc..)	Psychomotor

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	ABC	123	Discussion, Publication, Practicum	Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written), 評圖
2	DE	45	Discussion, Publication, Practicum	Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written), 評圖
3	FG	67	Discussion, Publication, Practicum	Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written), 評圖
4	BEH	458	Discussion, Publication, Practicum	Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written), 評圖
5	CEF	158	Discussion, Publication, Practicum	Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written), 評圖

6	BDEFH	368	Discussion, Publication, Practicum	Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written), 評圖
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Course Schedule

Week	Date	Course Contents	Note
1	114/02/17 ~ 114/02/23	設計題一發題,基地參訪。小組分組,個別授課討論	
2	114/02/24 ~ 114/03/02	小組分組,個別授課討論	
3	114/03/03 ~ 114/03/09	老師演講。小組分組,個別授課討論	
4	114/03/10 ~ 114/03/16	小組分組,個別授課討論	
5	114/03/17 ~ 114/03/23	交換評圖。小組分組,個別授課討論	
6	114/03/24 ~ 114/03/30	小組分組,個別授課討論	
7	114/03/31 ~ 114/04/06	兒童節補放假	
8	114/04/07 ~ 114/04/13	交換評圖。小組分組,個別授課討論	
9	114/04/14 ~ 114/04/20	Midterm Exam/Midterm Assessment Week (teachers can adjust the week as needed)	
10	114/04/21 ~ 114/04/27	小組分組,個別授課討論	
11	114/04/28 ~ 114/05/04	小組分組,個別授課討論	
12	114/05/05 ~ 114/05/11	小組分組,個別授課討論	
13	114/05/12 ~ 114/05/18	小組分組,個別授課討論	
14	114/05/19 ~ 114/05/25	交換評圖。小組分組,個別授課討論	
15	114/05/26 ~ 114/06/01	小組分組,個別授課討論	
16	114/06/02 ~ 114/06/08	小組分組,個別授課討論	
17	114/06/09 ~ 114/06/15	Final Exam/Final Assessment Week (teachers can adjust the week as needed)	
18	114/06/16 ~ 114/06/22	Flexible Teaching Week: Generally, no in-person classes; teachers may arrange teaching activities or final assessments, among other options.	

Key capabilities	self-directed learning International mobility Information Technology Social Participation Humanistic Caring Problem solving Interdisciplinary
Interdisciplinary	STEAM course (S:Science, T:Technology, E:Engineering, M:Math, A field:Integration of Art and Humanist) Competency-based education 'competency exploration' sustained competency or global issues STEEP (Society, Technology, Economy, Environment, and Politics) In addition to teaching content of the teacher's professional field, integrate other subjects or invite experts and scholars in other fields to share knowledge or teaching
Distinctive teaching	Project implementation course Special/Problem-Based(PBL) Courses Collaborative teaching (multiple teachers and business teachers in the school) course
Course Content	Computer programming or Computer language (students have hands-on experience in related projects) Intellectual Property (learning intellectual property) Logical Thinking
Requirement	需有前面年級設計課程基底。
Textbooks and Teaching Materials	Self-made teaching materials:Textbooks, Presentations, Handouts, Videos, Worksheets Using teaching materials from other writers:Textbooks, Presentations, Handouts, Videos, Worksheets
References	
Grading Policy	◆ Attendance : % ◆ Mark of Usual : 10.0 % ◆ Midterm Exam : 45.0 % ◆ Final Exam : 45.0 % ◆ Other < > : %
Note	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 . ※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.