Tamkang University Academic Year 114, 1st Semester Course Syllabus

Course Title	ARCHITECTURAL DESIGN (III)	Instructor	LI, MEI-HUEI
Course Class	TEAXB3H DEPARTMENT OF ARCHITECTURE, 3H	Details	◆ General Course ◆ Required ◆ 1st Semester ◆ 4 Credits
Relevance to SDGs	SDG4 Quality education SDG9 Industry, Innovation, and Infrastructure SDG11 Sustainable cities and communities SDG17 Partnerships for the goals		

Departmental Aim of Education

Ⅰ. Discern and understand current society and trends of development (Knowledge accumulation).

Ⅱ. Training of professionalism (Knowledge implementation).

1. Learning of professional skills and practice.
2. Cultivation of a character attending to social justice and public interest for architectural professionalism.
3. Inspiring creative thinking in environment and architecture design discipline.

Ⅲ. Implementation of inter-disciplinary knowledge and team works (self-educating and growth).

Subject Departmental core competences

A. Develop professional competencies in architectural design, creativity, aesthetics, and related knowledge.(ratio:30.00)

B. Cultivate clear logical and analytical thinking to identify, collect, analyze, and resolve architectural issues, integrating design concepts into spatial and formal solutions. (ratio:20.00)

C. Understand and apply fundamental mathematics and scientific technologies in architectural planning and practice.(ratio:5.00)

D. Possess knowledge in social sciences, humanities, psychology, and environmental sciences, and apply it to address architectural problems.(ratio:5.00)

E. Acquire skills in hands-on making, construction, building, and practical implementation. (ratio:10.00)

F. Understand the fundamentals of ecosystems and urban environments, and apply them to architectural and urban design with a focus on sustainable development.(ratio:10.00)

G. Apply information technology and digital ethics to create and communicate effectively. (ratio:5.00)

H. Demonstrate skills in project management, effective communication, and teamwork; understand professional ethics and the social responsibility of architects; care about current issues, promote social well-being, and strengthen global awareness.(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 ofbuilding system;and professional skills training.	Cognitive
2	Training Students to have the ability of logical thinking and independent operation in design process..	Cognitive
3	Analysis of site context and its surrounding environment.	Psychomotor
4	Comprehensive ability for spatial organization and progamming.	Psychomotor
5	Integration of building system.	Psychomotor
6	Professional skills training. (sustainable architectur 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	ACEG	2468	Discussion, Publication, Practicum	Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written), 評圖
2	ACEG	2468	Discussion, Publication, Practicum	Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written), 評圖
3	ABC	123	Discussion, Publication, Practicum	Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written), 評圖
4	DEF	456	Discussion, Publication, Practicum	Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written), 評圖
5	GH	78	Discussion, Publication, Practicum	Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written), 評圖

6	ABCDEFGH	12345678	Discussion, Publication, Practicum	Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written), 評圖

Course Schedule

Week	Date	Course Contents	Note
1	114/09/15 ~ 114/09/21	設計題一發題,基地參訪。小組分組,個別授課討論	
2	114/09/22 ~ 114/09/28	小組分組,個別授課討論	
3	114/09/29 ~ 114/10/05	老師演講。小組分組,個別授課討論	
4	114/10/06 ~ 114/10/12	小組分組,個別授課討論	
5	114/10/13 ~ 114/10/19	交換評圖。小組分組,個別授課討論	
6	114/10/20 ~ 114/10/26	小組分組,個別授課討論	
7	114/10/27 ~ 114/11/02	小組分組,個別授課討論	
8	114/11/03 ~ 114/11/09	交換評圖。小組分組,個別授課討論	
9	114/11/10 ~ 114/11/16	設計題二發題,基地參訪。小組分組,個別授課討論	
10	114/11/17 ~ 114/11/23	小組分組,個別授課討論	
11	114/11/24 ~ 114/11/30	小組分組,個別授課討論	
12	114/12/01 ~ 114/12/07	小組分組,個別授課討論	
13	114/12/08 ~ 114/12/14	小組分組,個別授課討論	
14	114/12/15 ~ 114/12/21	交換評圖。小組分組,個別授課討論	
15	114/12/22 ~ 114/12/28	小組分組,個別授課討論	
16	114/12/29 ~ 115/01/04	Final Week of Diverse Assessments	
17	115/01/05 ~ 115/01/11	Final Week of Diverse Assessments/Flexible Teaching Week for Teachers	
18	115/01/12 ~ 115/01/18	Flexible Teaching Week for Teachers	

Key capabilities	

Interdisciplinary	
Distinctive teaching	
Course Content	Computer programming or Computer language (students have hands-on experience in related projects) Logical Thinking Green Energy AI application Sustainability issue
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： 10.0 % ◆ Mark of Usual： % ◆ Midterm Exam： 40.0 % ◆ Final Exam： 45.0 % ◆ Other〈評量〉：5.0 %
Note	This syllabus may be uploaded at the website of Course Syllabus Management System at https://web2.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. ※"Adhere to the concept of intellectual property rights" and "Do not illegally photocopy, download, or distribute." Using original textbooks is advised. It is a crime to improperly photocopy others' publications.