中華大學 建築與都市計畫學系 課程規劃表-112級
Chung Hua University Department of Architecture and Urban Planning-112

年級 Grade	一年級 First Grade 上學期 First Semester		下學期 Second Semester		二年級 Second Grade 上學期 First Semester		下學期 Second Semester		三年級 Third Grade 上學期 First Semester		下學期 Second Semester		四年級 Forth Grade 上學期 First Semester		下學期 Second Semester		五年級(五年制適用) Fifth Grade 上學期 First Semester		下學期 Second Semester	
校共同必修 Common Required Courses	英文一 Freshman English I	2	英文二 Freshman English II	2	英文三 Sophomore English I	1	英文四 Sophomore English II	1												
	體育(一) Physical Education (Ⅰ)	0	體育(二) Physical Education (Ⅱ)	0																
		2		2		1		1		0		0		0		0		0		0
校訂必選 Common Required Selective Courses	探索園區 Exploring the Science Park	2																		
	AI體驗趣2.0 AI Experience 2.0	1																		
		3		0		0		0		0		0		0		0		0		0
院核心必修 College Required Courses	電腦繪圖(一) Computer Graphics (Ⅰ)	2	電腦繪圖(二) Computer Graphics (Ⅱ)	2																
			APP開發與應用 App Design and Application	2																
		2		4		0		0		0		0		0		0		0		0
系共同必修 Department Required Courses	設計(一) Design (Ⅰ)	4	建築設計(二) Architectural Design (Ⅱ)	4	建築設計(三) Architecture Design (Ⅲ)	4	建築設計(四) Architecture Design (Ⅳ)	4	建築設計(五) Architecture Design (Ⅴ)	4	建築設計(六) Architecture Design (Ⅵ)	4	建築設計(七) Architecture Design (Ⅶ)	5	建築設計(八) Architecture Design (Ⅷ)	5	建築設計(九) Architecture Design (Ⅸ)	6	建築設計(十) Architecture Design (Ⅹ)	6
	建築基礎 Basic Technique in Architectural Drawing	2			都市計畫 Urban Planning	2	世界建築史 History of World Architecture	3	都市設計概論 Introduction of Urban Design		建築實踐工作坊 Architectural Practice & Workshop	3	建築實務實習 Architectural Pratical Practice	2						
		6		4		6		7		6		7		7		5		6		6
模組專業(必)選修 Complementary Courses & Elective Courses	生態學 Ecology		空間建構與體驗 Space Composition and Experience	2	建築物理環境 Special Topics on Architecture Physics	3	建築構造 Architectural Composition	3	建築設備 Architecture Equipment	3	結構系統 Structural System	3	建築法規 Architectural Law	2	就業實習 Employment Internship	9				
	建築製圖 Architectural Drawing	2	規劃實作概論 Introduction to Survey and Practice	2	電腦輔助設計(一) Computer Aided Design(Ⅰ)	2	敷地計畫 Site Planning	3	建築史特論 Special Topics of Architecture History		建築計畫 Architectural Planning	3	企業實習 Internships	9	施工與估價 Estimation for Construction	2				
	閱讀建築與城市 Reading Architecture and the city		防災概論 Disaster Prevention Fundamentals	2	智慧綠建築 Smart and Green Buildings	2	電腦輔助設計(二) Computer Aided Design (Ⅱ)	2	建築資訊模型(一) Introduction to Building Information Modeling(Ⅰ)	2	建築資訊模型(二) Introduction to Building Information Modeling (Ⅱ)	2	建築資訊模型應用與實務 Application and Practice of Building Information Model	3						
	繪畫與表現技法 Drawing & Presentation Technique	2	建築與城市色彩學 Building and City Colour	2	計畫分析方法 Programming Analysis Method	2	空拍及數位規劃 Unmanned Aerial Vehicle and digital planning	2	參數設計 Parametric Design	2	施工圖 Working Drawing	3	工程倫理 Engineering Ethics	2						
	工程材料 Construction Materials		當代攝影技法 Contemporary Photography Technique	2	地理資訊系統 Geographic Information System	2	都市交通計畫 Urban Transportation Planning	2	都市土地使用計畫 Urban Land Use Planning	2	都市工程學 Urban Engineering	2								
		2	測量學 Surveying	2	景觀植物學 Landscape Plants	2	都市及國土計畫法 Urban and Land Planning Act	2	環境規劃與設計 Environmental Planning and Design		都市更新 Urban Renewal	2								
			多媒體表現法 Multimedia and Digital Presentation	2	苗圃學 Nursery Management	2	人因互動設計 Human Factors and Interaction Design	2	景觀工程(一) Landscape Engineering(Ⅰ)	2	景觀生態學 Landscape Ecology	2								
					植栽概論 Botany	2	社區營造 Community Planning	2	植栽計劃與設計 Planting Plan and Design	2	景觀工程(二) Landscape Engineering (Ⅱ)	2								
					企業實習 Internships	9	就業實習 Employment Internship	9			環境影響評估 Environmental Impact Assessment	2								
											照明設計理論與美學 Lighting Design Theory and Aesthetic	2								
											結構學 Theory of Structures	3								
		12		14		26		27		18		26		16		11		0		0

【注意事項】
【Notes】

畢業學分：四年制128學分；五年制144學分
Graduation credits: 128 credits for Four-year program; 144 credits for Five-year program

1.共同科必修：28學分(英文6學分與多元通識22學分)
　Common required courses: 28 credits (6 credits and 22 General education credits)
(1)校定必修英文：6學分
　6 credits of Compulsory English courses in school.
(2)通識課程22學分：包含核心通識課程12學分及多元選修課程10學分。
　22 credits of general education courses: Including 12 credits of core general courses and 10 credits of multiple elective courses.
★核心通識課程12學分：通識課程分為「社會關懷(含「人文涵養」及「社會習察」2向度)」、「創新創意(含「藝術感知」及「科學探究」2向度)」、「健康促進(含「自我探索」及「生醫衛保」2向度)」三類，每類之核心通識課程至少必須修習兩門。
★12 credits of core general courses: General courses are divided into "Social Care (including the 2 dimensions of "Humanistic Cultivation" and "Social Observation")", "Innovation and Creativity (including "Artistic Perception" and "Scientific Inquiry" "Dimension 2)" and "Health Promotion (including Dimension 2 "Self-exploration" and "Biomedicine and Health Protection")", each category must take at least two core general courses.
★多元選修課程10學分：超修之核心通識課程學分數可認計為多元選修課程學分數，並以４學分為上限。
★10 credits of multiple elective courses: The credits of core general courses for over-the-top studies can be counted as credits of multiple elective courses, with a maximum of 4 credits.

2.院核心必修：10學分。系共同必修：四年制44學分；五年制56學分
　College core required courses: 10 credits. Department core required courses: 44 credits for the Four-year program; 56 credits for the Five-year program.

3.模組專業必選修：畢業學分至少需選擇一個專業模組課程完成其修課學分之要求
　Module professional electives: Graduation credits must include at least one professional module course.
(1)建築設計模組(五年制)：23學分；建築物理環境、建築構造、敷地計畫、建築設備、結構系統、建築計畫、施工圖、建築法規。
　Architectural Design Module (Five-year program): 23 credits; courses include Special Topics on Architecture Physics, Architectural Composition, Site Planning, Architecture Equipment, Structural System, Architectural Planning, Working Drawing , Architectural Law.
(2)建築科技模組(四年制)：17學分；電腦輔助設計(一)、智慧綠建築、電腦輔助設計(二)、空拍及數位規劃、建築資訊模型(一)、參數設計、建築資訊模型(二)、施工圖。
　Building Technology Module (Four-year program): 17 credits; courses include Computer Aided Design(I), Smart and Green Buildings, Computer Aided Design (Ⅱ), Unmanned Aerial Vehicle and digital planning, Introduction to Building Information Modeling(I), Parametric Design, Introduction to Building Information Modeling (Ⅱ), Working Drawing.
(3)都市計畫模組(四年制)：17學分；計畫分析方法、地理資訊系統、都市交通計畫、都市及國土計畫法、都市土地使用計畫、環境規劃與設計、都市工程學、都市更新。
　Urban Planning Module (Four-year program): 17 credits; courses include Programming Analysis Method, Geographic Information System, Urban Transportation Planning, Urban and Land Planning Act, Urban Land Use Planning, Environmental Planning and Design, Urban Engineering, Urban Renewal.

4.專業選修：五年制需選修27學分以上、四年制需選修29學分以上。(含外系9學分)
　Professional electives: Five-year program requires at least 27 elective credits, and Four-year program requires at least 29 elective credits (including 9 credits from other departments).

5.跨域選修學分中，必須包括他系開設之課程9學分。跨域外系選修9學分，含「探索園區」與「AI體驗趣2.0」(外籍生及轉學生免修)，但不含通識、體育、及軍訓課程。由本系開設之課程不得認列為外系選修；「企業實習」及「就業實習」亦不列入外系9學分。
　Cross-disciplinary elective credits must include 9 credits from courses offered by other departments. Cross-disciplinary electives include "Exploration Park" and "AI Experience 2.0" (exempt for international and transfer students), but do not include general education, physical education, or military training courses. Courses offered by the department can not be counted as cross-disciplinary electives; "Internship" and "Employment Internship" are also not included in the 9 credits from other departments.

6.須依據「中華大學建築與都市計畫學系學生實務實習辦法(109級起適用)」完成實習相關規定，始符合畢業資格。
　Students must complete the internship requirements according to the "Practical Internship Regulations for Students of the Department of Architecture and Urban Planning, Chung Hua University (applicable from the 109th class)" to meet graduation qualifications.

7.開課方面，以上所列必選修、選修，如因特殊狀況，可兩年開一次。課程名稱因需要可適度修改。
　Courses listed as required or elective may be offered every two years due to special circumstances. Course names may be modified as needed.

8.四年制學生須設計(一)~ 建築設計(六)均及格，始可修習建築設計(七)(八)。五年制學生須設計(一)~ 建築設計(八)均及格，始可修習建築設計(九)(十)。設計課僅允許雙並修，且必須從較低年級起修習。各年級設計課程，上課時數為全天，不得另選外系及其他年級課程。必修科目不得以低年級上修高年級。依據「建築與都市計畫學系環境美學實施辦法」未完成環境美學服務者，當學期建築設計課程不予及格。
　Four-year program students must pass Design (I) to (VI) before taking Architectural Design (VII) and (VIII). Five-year program students must pass Design (I) to (VIII) before taking Architectural Design (IX) and (X). Design courses can only be taken concurrently in pairs and must be taken from the lower grades. Design courses are full-day classes, and students cannot take courses from other departments or grades during these times. Required courses cannot be taken in higher grades if not passed in lower grades. According to the "Implementation Measures for Environmental Aesthetics of the Department of Architecture and Urban Planning," students who do not complete the environmental aesthetics service will not pass the architectural design course for that semester.

9.本國生須依據「中華大學學生基本能力指標實施辦法」、「中華大學建築與規劃學院學生基本能力指標實施辦法」、「中華大學建築與都市計畫學系學生基本能力指標實施辦法」完成修業規定，始符合畢業資格。
　Local Students must complete the graduation requirements according to the "Implementation Measures for Basic Competency Indicators for Students of Chung Hua University," "Implementation Measures for Basic Competency Indicators for Students of the College of Architecture and Planning, Chung Hua University," and "Implementation Measures for Basic Competency Indicators for Students of the Department of Architecture and Urban Planning, Chung Hua University" to meet graduation qualifications.

10.依據「中華大學創新與創意課程實施辦法」第二條規定，本系創新與創意基礎課程為【設計(一)】及【建築設計(二)】；創新創意專題課程為【建築設計(七)】及【建築設計(八)】，學生需符合「中華大學創新與創意課程實施辦法」之規定通過檢核標準，始符合畢業資格。
　According to the "Implementation Measures for Innovation and Creativity Courses of Chung Hua University," the basic courses for innovation and creativity in the department are " Design (I)" and "Architectural Design (II)"; the special topic courses for innovation and creativity are "Architectural Design (VII)" and "Architectural Design (VIII)." Students must meet the requirements of the "Implementation Measures for Innovation and Creativity Courses of Chung Hua University" to pass the assessment standards and meet graduation qualifications.

11.依據本校「學生基本能力指標實施辦法」第四條規定，本系資訊應用課程為【APP開發與應用】，學生需符合「中華大學學生資訊應用能力檢定實施辦法」之規定通過檢核標準，始符合畢業資格。
　In order to develop students' independent learning ability and understanding of SDGs issues, students are required to complete the "School-level Independent Study Course" in freshman year, and the credits earned can be recognized as 9 credits in outside the department required.

12.為培養學生自主學習能力、了解SDGs議題，啟動大一自主探索學習，本校學生請於大一修畢『校級自主學習課程』，所得學分可認列於外系9學分內。
　Description of "Exploring the Science Park" course: In order to cultivate students' independent learning ability, understand SDGs issues, and start freshman independent exploration and learning, students of our shool must complete the "Exploring the Science Park" course in freshman year, and the credits obtained can be recognized whithin 9 credits of external departments.

13.為培育並提升學生最新技術之AI及元宇宙應用能力，達成於大一階段學生具備最新技術知識，本校學生請於大一修畢『AI體驗趣2.0課程』，所得學分可認列於外系9學分內。
　To cultivate and enhance students' AI and metaverse application capabilities with the latest technology, first-year students must complete the "AI Experience 2.0" course. The credits earned can be counted towards the 9 credits from other departments.

14.以上課程資料，以當學期開課為準。
　The above course information is based on the courses offered in the current semester.