

都市設計 | Urban Design

授課老師：廖桂賢（都市計劃研究所教授兼所長）| Liao Kuei-Hsien, Ph.D., Professor & Director

上課時間：每週三下午 3:30-6:00 | Meeting time: Wednesday 3:30-6:00 pm

教室：公共事務學院 630 | Venue: Room 630, College of Public Affairs

教學助理：黃宣儒（都市計劃研究所碩一生）

課程簡介 | INTRODUCTION

都市設計是一門關乎都市「建成環境」整體設計的專業領域，深刻影響著都市風貌、都市運作、與都市發展。建成環境包括建築、開放空間、交通系統、以及其它基礎設施等。都市設計絕非僅著重都市之「外觀」設計，本課程所教授之都市設計內涵奠基於環境與社會關懷，主張都市設計應融入永續概念，應在創造宜居環境的同時，兼顧生態健康與社會正義等多重面向，才是專業的好設計。本課程以講座、校外踏查、實作、討論等多元學習方式，帶領學生認識都市設計、探究其環境與社會影響、並學習挑戰既有觀念。

Concerning urban form and various urban systems, urban design as a profession refers to the design of the urban built environment, which consists of buildings, parks and other open space, roadways, and infrastructural systems. Through lectures, field visits, and discussion, this course provides an overview of the discipline of urban design. It is important to understand that urban design can heavily influences the operation and development of a city, and sustainability should be integrated into every aspect of urban design. The underlining concept of this course is sustainability—where ecological integrity, social equity, and livability should be simultaneously met. Throughout the course, students are urged to think critically about the spatial phenomena of contemporary urbanism and to challenge conventional wisdom of urban design.

教學目的 | OBJECTIVES

學生修習本課程後將預期能夠：

1. 了解都市設計專業，能夠闡明都市設計內涵
2. 闡明都市設計與都市計劃之關聯性。
3. 理解都市設計在邁向永續城市中所扮演的角色。
4. 具備小尺度都市設計之初階能力。

After taking this course, students are expected to:

1. Gain an overall understanding of the discipline of urban design and articulate what it involves
2. Articulate how urban design relates to urban planning
3. Appreciate how urban design can contribute to urban sustainability
4. Acquire basic skill of conducting urban design

指定書目 | REQUIRED READINGS

- 廖桂賢，2017。好城市：綠設計，慢哲學，啟動未來城市整建計畫。野人出版社
- 廖桂賢，張式慧、柳志昀、徐孟平，2023。城中一座島：築堤逐水、徵土爭權，社子島開發與臺灣的都市計畫。春山出版社

課堂規定 | CROUSE POLICY

1. 強烈建議開學前將兩本指定書目閱讀完畢。若開學前無法閱畢，請參考每週講題，自行調配指定書目的閱讀章節，請於學期中以前全部閱畢。
2. 搭配講座主題的參考讀物建議於上課前閱讀完畢。課後若能再讀一次，學習加倍。
3. 盡可能出席每一堂課。請務必提前或準時到堂，以尊重授課老師與其他同學。**比授課老師晚到五分鐘以上，請勿進入教室**，除非事先提供正當理由。若上課當天遇不可抗力因素，仍可進教室，但課後請向授課老師說明遲到原因。
4. 課堂參與對於學習至為重要，請積極回答老師的提問，亦請主動提問。任何關於講座之問題，請於上課時提出；除非有特殊理由，不接受下課後私下提出之問題。
5. 勿在課堂上趴下來睡覺。如果真的很睏，歡迎到教室外呼吸新鮮空氣後再回來。
6. 一心多用極可能一事無成，請參考“[Why multitasking doesn't work](#)”一文。
7. 請以紙筆做筆記，勿用筆電。打字聲會干擾授課老師與其他同學，且用筆電做筆記的學習效果遠不如紙筆好，請參考“[A learning secrete: Don't take notes with a laptop](#)”一文。
8. **上課原則禁止使用手機與筆電，手機請務必靜音且勿放桌上**。若有特殊原因非用筆電不可，請事先徵得同意。
9. 期末作業遲交十分鐘以上以零分計算。有不可抗力之理由不得不遲交，事前必須與授課老師討論。
10. 請尊重授課老師之教學與智慧財產權，**上課(包含校外踏查)原則禁止錄音錄影**。如有學習需求必須錄音或錄影，請事先徵得授課老師同意。

1. You are strongly advised to finish reading the two required readings before the semester starts. If you can't do so, read the chapters according to the scheduled topic of each class.
2. Read the supplementary reading before the class, and review it after the class.
3. Students are expected to attend all classes. Be punctual to respect the professor and your classmates. **Do not enter the classroom if you are later than the instructor for more than 5 minutes** unless a justifiable reason can be provided beforehand. If late arrival is due to an unforeseeable reason, you may still enter the classroom but do explain to the instructor after class.
4. Class participation, in the form of responding to and/or asking questions during class, is important for learning and is highly encouraged.
5. Do not sleep during class. If you are drowsy, step outside, get some fresh air, and come back. Or, don't come to class and just sleep at home, which is much more comfortable anyway.
6. Do not multitask because you are likely to end up achieving nothing. Refer to this article: “[Why multitasking doesn't work](#)”.
7. If you'd like to take notes of the lecture, do so in the old-fashioned way with a notebook and a pen, instead of using a laptop. The noise from typing can disturb the instructor and other students. More importantly, it can impede your learning. Refer to this article: “[A learning secrete: Don't take notes with a laptop](#)”.
8. Following the above two points, **you are not allowed to use either a laptop or smartphone during class**, unless a justifiable reason is provided and permission from the professor is granted.
9. No extension of any deadlines, and submission that passes the deadline for more than 10 minutes would not be accepted, unless a justifiable reason is provided.
10. As a general rule, audio or video recording is prohibited during class, including off-campus field trips. If you have a learning need that requires recording, please obtain the instructor's permission in advance.

授課時間表與參考讀物 | SCHEDULE & SUPPLEMENTARY READING

紅字表示非常態課程時間與地點

09/09	Subject	課程介紹 Course introduction
09/16	Subject	近代西方主要都市設計論述 Influential modern urban design discourses from the West
	Readings	- Krieger A. 2009. Where and how does urban design happen? Pages 113-134 in Krieger A, Saunders WS, eds. Urban Design. University of Minnesota Press - 紀錄片 紐約大國民：珍雅各 (Citizen Jane: Battle for the City)
09/23	Subject	都市形態與緊密城市 Urban form and the discourse of Compact City
	Readings	Jabareen YR. 2006. Sustainable urban form: their typologies, models, and concepts. Journal of Planning Education and Research 26: 38-52
09/30	Subject	都市生態與都市水文 + 生態規劃設計原則 Urban ecology and urban hydrology + Principles of ecological planning & design
	Readings	- Nilon CH, Berkowitz AR, Hollweg KS. 2003. Introduction: ecosystem understanding is a key to understanding cities. Page 31-43 in Berkowitz AR, Nilon CH, Hollweg KS, eds. Understanding Urban Ecosystems: A New Frontier for Science and Education. New York: Springer - 曼諾·許特惠森 (陸維農譯)。2020。達爾文進城來了：新物種誕生！都市叢林如何驅動演化？第二十章：跟達爾文一起設計。臉譜出版社
10/07	Subject	從綠地到綠色基盤到自然解方 From green space to green infrastructure to nature-based solution
	Readings	- Austin G. 2014. Introduction. Pages 1-14 in Green Infrastructure for Landscape Planning: Integrating Human and Natural Systems. New York: Routledge - Liao K-H, Deng SN, Tan PY. 2017. Blue-green infrastructure: New frontier for sustainable urban stormwater management. Chapter 10 (p.203-226) in Tan PY, Jim CY, editors. Greening Cities: Forms and Functions. Springer Nature Singapore Pte Ltd, Singapore
10/12 14:00-17:00	Field visit	社子島—認識高度爭議的都市設計案場址 Shezidao: A highly contested case of urban design 柳志昀 / 《城中一座島》共同作者
10/21	Subject	參與式設計 Participatory design 陳鳴誼 / 用參與改變世界顧問公司 主持人
	Reading	Arnstein SR. 1969. A ladder of citizen participation. Journal of American Institute of Planners 35 (4): 216-224
10/28 14:00-17:00	Field visit	社子島—聚落基地調查 Shezidao: Site survey
11/04	Subject	從好街道到好設計：結合零死亡願景與淨零碳排的交通願景 From good streets to good design: Integrating Vision Zero and Net Zero for our future mobility 吳昀慶 / 還路於民行人路權促進會常務監事、110 年公費留學學人
	Readings	- 卡洛斯·莫雷諾，2026。《十五分鐘城市：為人們找回生活品質的都市計畫新趨勢》(胡訢諄譯)。時報出版。 - 吳昀慶，2026。 永續、安全且幸福的交通願景：結合零死亡願景 (Vision Zero) 與淨零排放 (Net Zero) 的交通願景手冊。
11/16 14:00-17:00	Field visit	國家住都中心兒福基地+廣慈博愛園區：街廓型都更 劉柏宏 / 經典工程顧問公司 主持人
11/18	Subject	都市韌性 Urban resilience
	Readings	廖桂賢，2025。什麼是承洪韌性 (上) (下)。聯合報「河好如初」網站

- 廖桂賢，2021。 [不怕水淹，更要與洪水共生！具有「承洪韌性」的城市培養指南](#)。台北村落之聲。
- Stockholm Resilience Centre。2015。 [What is Resilience?](#)

11/25	Subject	社子島再發展設計桌評
12/05 (六) 10:00-12:00	Field visit	磺港溪再造工程：都市河川的生態改善 陳郭正 / 臺北市捷運局副局長、前臺北市工務局水利處處長
12/09	Subject	用合作的方式做設計 陳懿欣 / 中原大學地景建築系助理教授、 眼底城事 共同創辦人
12/16	Subject	社子島再發展設計方案互評 Peer critique Shezidao redevelopment design proposals
12/23	Subject	綜合討論 Concluding discussion

成績評量標準 | ASSESSMENT SCHEME

30% 課堂參與 Class participation

本課程每堂課（包括校外踏查）均會有討論的環節，同學應積極發言參與討論。
Students should actively participate in discussion during each class.

70%（碩一）社子島再發展設計方案

進行時程

2026/09/16	自行組隊並決定聚落基地 Determine grouping and select site
2026/10/12	社子島現勘 Site visit
2026/10/28	聚落現勘 Site visit
2026/11/25	桌評 Design critique
2026/12/13	午夜前繳交設計方案（類懶人包形式） Submit design proposal
2026/12/16	設計成果互評 Peer critique
2026/12/31	午夜前繳交類懶人包電子檔 Final submission

設計考量 Design considerations

全班分組進行，選取社子島其中一個聚落進行設計，以聚落紋理保存、聚落活化、硬體環境改善為目標設計，並務必將以下議題納入設計考量：

In this exercise students work in groups to design for one of the settlements in Shezidao to revitalize the settlement and improve its physical environment by working with existing fabric. Design should consider all of the following:

- 尊重現住民之人權，照顧老年與社經弱勢居民之需求
Respect local residents' human rights. Meet the needs of the socio-economically disadvantaged and older people.
- 氣候變遷減緩之淨零碳排目標
Work towards net zero emission for climate change mitigation
- 培養承洪韌性，調適水患風險
Nurture flood resilience for flood risk reduction
- 提升都市生物多樣性，人與自然和諧共存
Create urban wildlife habitat to improve urban biodiversity
- 規劃綠色人本交通，打造兼容並蓄的交通系統與道路環境

繳交形式 Final deliverable

無口頭報告。設計成果以「類懶人包」(PDF 檔案)形式呈現,包含(但不侷限)以下內容:

There would be no oral presentation. Present the design in a PDF document that should clearly communicate the design. This document should include, but not limited to, the following:

- 聚落基本資料與基地分析 Basic information of the settlement and site analysis
- 設計願景與目標 Vision and concrete objectives
- 設計方案 Design solutions
- 團隊分工 Division of labor within the team

設計成果並非「一般簡報」。一般簡報通常不是每一頁都塞滿訊息、就是只有圖片沒有文字,沒有聽口頭報告就無法看懂。設計成果呈現應力求清楚易懂,即使沒有口頭簡報也可以讓人完全看得懂。頁數無限制,但應控制在可於十五分鐘內閱讀完畢。

Do not treat this final deliverable as your regular PowerPoint presentation. The final deliverable should be easily understandable without oral presentation. Page number is not limited, but it should take the reader no longer than 15 minutes to finish reading it.

注意事項 Important notes

- 都市設計絕不應是在冷氣房內想像,必須充分了解基地實際狀況,才能夠設計出尊重在地文化與紋理的方案;因此,除了本課程安排的兩次現勘,額外頻繁地造訪基地是絕對必要的。

You cannot generate a good design by staying in your office. You need to get to know your site very well.

Therefore, beyond the two site visits, you should visit your settlement in Shezidao on your own as frequently as possible.

- 本作業是都市「設計」而不是「計畫」,因此絕大部分的內容應該是圖面而非文字敘述。盡可能運用大量圖面(包括 Google 地圖、GIS 圖層、設計平面圖、立面圖、合成示意圖、照片等等)來陳述問題與呈現設計。

This is a “design”, not planning, exercise. Therefore, the deliverable should be full of graphics as opposed to text. While text is still necessary, take good advantage of maps, GIS data, plans, sections, diagrams, photos, artist’s impressions, photo montages, etc. to present the design concepts and solutions.

- 所有的圖面應盡量由組員產出(可利用 AI 協作),如非自行拍攝或製作,必須註明來源,否則即為盜用。

The team should do their best to produce all the graphics (AI-assisted graphics are acceptable). It is absolutely necessary to indicate credits or sources for those (including photos) not made by the team.

Otherwise it is considered plagiarism.

70% (碩二) 社子島空間故事報導

寫一篇 4000 字以上報導文章,探討社子島獨特之空間紋理或特定環境元素所孕育之人際關係。文字應搭配照片或其它形式圖片。組隊或單獨完成均可。

進行時程 Timeline

2026/09/30 決定報導題目並交代觀察或訪談方法

2026/12/15 午夜前繳交報導 PDF 檔案

2026/12/16 向全班口頭簡介報導成果

參考報導:

- 〈[社子島空間故事報導 I：戲台口](#)〉, 眼底城事, 2021/02/19
- 〈[社子島空間故事報導 II：社子島船屋](#)〉
- 〈[社子島空間故事報導 III：菜寮紀事](#)〉

參考書目| REFERENCES

- Austin G. 2014. Green Infrastructure for Landscape Planning: Integrating Human and Natural Systems. New York: Routledge.
- Beatley T. 2000. Green Urbanism: Learning from European Cities. Washington, D. C.: Island Press.
- Cuthbert AR, editor. 2003. Designing Cities: Critical Readings in Urban Design. Oxford: Blackwell Publishing.
- Gehl J. 2010. Cities for People. Island Press, Washington, D.C.
- Jacobs J. 1961. The Death and Life of Great American Cities. New York: Vintage Books Edition.
- Krieger A, Saunders WS, eds. 2009. Urban Design. Minneapolis: University of Minnesota Press.
- Larice M, MacDonald E, editors. 2013. The Urban Design Reader, second edition. New York: Routledge
- Neuwirth R. 2006. Shadow Cities: A Billion Squatters, A New Urban World. New York: Routledge
- Spirn AW. 1984. The Granite Garden: Urban Nature and Human Design. New York: Basic Books.
- 山崎亮 (莊雅秀譯) , 2015 。《社區設計：重新思考「社區定義，不只設計空間，更要設計「人與人之間的連結」》。臉譜出版社
- 西村幸夫 (廖怡鈞譯) , 2020 。《東京大學最終演講：我與都市共學這條路》。遠流出版社
- 林子平 , 2021 。《都市的夏天為什麼越來越熱？圖解都市熱島現象與退燒策略》。商周出版
- 林子平 , 2024 。《溫度的正義：全球沸騰時代該如何消彌升溫所造成的各種不公？》。商周出版
- 林芬郁 , 2020 。《公園地景百年流轉：都市計畫下的台北，邁向現代文明的常民生活史》。貓頭鷹出版社。
- 侯志仁 , 主編 , 2019 。《反造再起：城市共生 ING》。左岸文化
- 侯志仁 , 主編 , 2013 。《反造城市：台灣非典型都市規劃術》。左岸文化
- 曼諾·許特惠森 (陸維農譯) , 2020 。《達爾文進城來了：新物種誕生！都市叢林如何驅動演化？》臉譜出版社
- 饒庭伸 (林書嫻譯) , 2020 。《折疊都市：從日本的都市規劃實踐經驗，探尋人口減少時代的城市設計和人本生活》臉譜出版社。