

111 學年度國立臺北大學永續創新國際學院「城市治理英語碩士學位學程」專業科目規劃表
List of Professional Courses Offered by the International Program on Urban Governance, International College of Sustainability Innovations, National Taipei University in Academic Year 2022

領域 或學 群別 Field of Study	必修或選 修 Required or elective	科目名稱 Course title	學分合 計 Number of credits	課程類別 (全年或半 年) Course Category (full year or semester)	建議修習年級 Recommended year of study	開課系所 Department	先修科目 Prerequisites	開課屬性 Course Characteristics	備註 Remarks (本欄請填註科目修 訂原因) (Please specify the reason for revising courses in this field)
共同必修	必 Required	華語(一) Chinese 1	0	半年 semester	一、二 First year, second year	城市治理碩士學位 學程 International Program on Urban Governance		A	
	必 Required	華語(二) Chinese 2	0	半年 semester	一、二 First year, second year	城市治理碩士學位 學程 International Program on Urban Governance		A	
	必 Required	研究方法 Research Methodology	2	半年 semester	一 First year	城市治理碩士學位 學程 International Program on Urban Governance		A	
	必 Required	量化資料分析 Quantitative Data	2	半年 semester	一、二年級 First year,	城市治理英語碩士 學位學程		A	「量化資料分析」與「質 性研究方法」二擇一修

	Analysis			second year	International Program on Urban Governance			習。 Choose between "Quantitative Data Analysis" and "Qualitative Research Methods".
必 Required	質性研究方法 Qualitative Research Methods	2	半	一、二年級	城市治理英語碩士學位學程		A	「量化資料分析」與「質性研究方法」二擇一修習。 Choose between "Quantitative Data Analysis" and "Qualitative Research Methods".
選 Elective	治理理論與實務 Theory and Practice of Governance	2	半年 semester	一、二年級 First year, second year	城市治理英語碩士學位學程 International Program on Urban Governance		A	
選 Elective	城市治理專題(一) Seminar on Urban Governance I	2	半年 semester	一 First year	城市治理碩士學位學程 International Program on Urban Governance		C1	
選 Elective	永續與韌性城市 Sustainable and Resilient Cities	2	半年 semester	一、二年級 First year, second year	城市治理碩士學位學程 International Program on Urban		A	

						Governance			
智慧城市與都市治理 Smart City & Urban Governance	選 Elective	都市與複雜 Cities and Complexity	2	半年 semester	一 First year	不動產與城鄉環境 學系 Department of Real Estate and Built Environment		A	
	選 Elective	都市財政專題 Topics in Urban Public Finance	2	半年 semester	二 Second year	財政學系 Department of Public Finance		A	
	選 Elective	都市經濟發展專題 Topics in Urban Economic Development	2	半年 semester	一 First year	城市治理碩士學位 學程 International Program on Urban Governance		A	
	選 Elective	健康經濟學與醫療政策 Health Economics and Policy	2	半年 semester	一、二 First year, second year	財政學系 Department of Public Finance		A	
	選 Elective	行為規劃理論 Behavior of Planning Theory	2	半年 semester	一 First year	不動產與城鄉環境 學系 Department of Real Estate and Built Environment		A	
	選 Elective	公共選擇 Public Choice	3	半年 semester	二 Second year	財政學系 Department of Public Finance		A	
	選 Elective	城市治理與公共衛生 Urban Planning and Public Health	2	半年 semester	一 First year	城市治理碩士學位 學程 International		A	

						Program on Urban Governance			
選 Elective	地方治理專題 Seminar on Local Governance	2	半年 semester	二 Second year	公共行政暨政策學系 Department of Public Administration and Policy		A		
選 Elective	新興國家區域發展政經 專題 Newly Industrialized Countries and Regional Political Economic Development	3	半年 semester	二 Second year	財政學系 Department of Public Finance		A		
選 Elective	歐洲統合導論 Introduction to European Integration	2	半年 semester	一、二 First year, second year	公共行政暨政策學系 Department of Public Administration and Policy		A		
選 Elective	歐洲經濟與貨幣 European Economic and Monetary Integration	3	半年 semester	一、二 First year, second year	公共行政暨政策學系 Department of Public Administration and Policy		A		
選 Elective	城市外交 City Diplomacy	3	半年 semester	一、二 First year,	城市治理碩士學位學程		A		

					second year	International Program on Urban Governance			
	選 Elective	創意城市 Creative Cities	2	半年 semester	一、二 First year, second year	城市治理碩士學位 學程 International Program on Urban Governance		A	
	選 Elective	城市競爭力與都市行銷 City Competitiveness and Urban Marketing	3	半年 semester	一、二 First year, second year	城市治理碩士學位 學程 International Program on Urban Governance		A	
	選 Elective	城市治理專題(二) Seminar on Urban Governance II	2	半年 semester	一 First year	城市治理碩士學位 學程 International Program on Urban Governance		C1	
Management	選 Elective	韌性理論與都市規劃設計 Resilience Theory in Urban Planning & Design	3	半年 semester	二 Second year	都市計劃研究所 Graduate Institute of Urban Planning		A	
	選 Elective	都市化與全球氣候變遷 Seminar on Urbanization and Global Climate Change	2	半年 semester	一 First year	都市計劃研究所 Graduate Institute of Urban Planning		A	
	選	永續發展：理論與實踐	2	半年	一	自然資源與環境管		A	

	Elective	Sustainable Development: Theory and Practice		semester	First year	理研究所 Graduate Institute of Natural Resource Management			
	選 Elective	災難管理專題 Seminar on Disaster Management	2	半年 semester	一、二 First year, second year	城市治理碩士學位 學程 International Program on Urban Governance		A	
	選 Elective	永續發展專題 Sustainable Development	2	半年 semester	一、二 First year, second year	不動產與城鄉環境 學系 Department of Real Estate and Built Environment		A	
	選 Elective	生態學原理 Principles of Ecology	3	半年 semester	一、二 First year, second year	自然資源與環境管 理研究所 Graduate Institute of Natural Resource Management		A	
	選 Elective	綠色環境管理 Green Environmental Management	3	半年 semester	一、二 First year, second year	企業管理學系 Department of Business Administration		A	
	選 Elective	世界文化與永續發展 World Cultures and Sustainable Development	2	半年 semester	一、二 First year, second year	城市治理碩士學位 學程 International Program on Urban Governance		A	

	選 Elective	國際社會工作 International Social Work	3	半年 semester	一、二 First year, second year	社會工作學系 Department of Sociology		A	
	選 Elective	永續都市觀光 Sustainable Urban Tourism	3	半年 semester	一、二 First year, second year	城市治理碩士學位 學程 International Program on Urban Governance		A	
	選 Elective	都市社會學與社區韌性 Urban sociology and community resilience	3	半年 semester	一、二 First year, second year	城市治理碩士學位 學程 International Program on Urban Governance		A	
	選 Elective	流動和都市文化 Mobility and Urban Cultures	3	半	一、二	城市治理碩士學位 學程		A	新增 Add
	選 Elective	城市環境和人類體驗 Urban Environments and Human Experience	3	半	一、二	城市治理碩士學位 學程		A	新增 Add
	選 Elective	緊緻城市與複合型開發 Compact city and mixed- use development	3	半年 semester	二 Second year	不動產與城鄉環境 學系 Department of Real Estate and Built Environment		A	
Real 不動產管理	選 Elective	不動產估價專題 Seminar on Real Estate Appraisal	2	半年 semester	一、二 First year, second year	不動產與城鄉環境 學系 Department of Real Estate and Built		A	

					Environment			
選 Elective	住宅政策研究 Seminar in Housing Policies	3	半年 semester	二 Second year	不動產與城鄉環境 學系 Department of Real Estate and Built Environment		A	
選 Elective	不動產個案研究 Real Estate Case Study	2	半年 semester	一、二 First year, second year	不動產與城鄉環境 學系 Department of Real Estate and Built Environment		A	
選 Elective	進階國際不動產個案研究 Advance International Real Estate Case Study	2	半年 semester	一、二 First year, second year	不動產與城鄉環境 學系 Department of Real Estate and Built Environment		A	
選 Elective	國際住宅政策 Global Housing Policies	2	半年 semester	一、二 First year, second year	不動產與城鄉環境 學系 Department of Real Estate and Built Environment		A	
選 Elective	國際財產評價與利用 International Property Valuation and Use	2	半年 semester	一、二 First year, second year	不動產與城鄉環境 學系 Department of Real Estate and Built Environment		A	
選 Elective	都市地理學 Urban Geography	3	半年 semester	一、二 First year,	城市治理碩士學位 學程		A	

					second year	International Program on Urban Governance			
	選 Elective	人類居住環境替選方案 實例與政策 Alternative Human Habitat- Practice and Policy	2	半年 semester	一、二 First year, second year	城市治理碩士學位 學程 International Program on Urban Governance		A	
	選 Elective	社會住宅政策與策略 Social Housing Policies and Strategies	2	半年 semester	一、二 First year, second year	城市治理碩士學位 學程 International Program on Urban Governance		A	
	選 Elective	都市設計（一） Theory & Practice of Urban Design I	2	半年 semester	一、二 First year, second year	城市治理碩士學位 學程 International Program on Urban Governance		A	
	選 Elective	衛星定位系統 Satellite Positioning System	2	半年 semester	一 First year	不動產與城鄉環境 學系 Department of Real Estate and Built Environment		A	
Data Analytics	選 Elective	地理資訊系統的原理與 應用 Principles and Applications of Geographic Information	2	半年 semester	一、二 First year, second year	城市治理碩士學位 學程 International Program on Urban Governance		A	

		Systems (GIS)							
選 Elective	管理資訊系統 Management Information System	3	半年 semester	一、二 First year, second year	企業管理學系 Department of Business Administration			A	
選 Elective	機器學習 Machine Learning	3	半年 semester	一、二 First year, second year	電機工程學系 Department of Electrical Engineering			A	
選 Elective	資料探勘 Data Mining	3	半年 semester	一、二 First year, second year	資訊工程學系 Department of Computer Science and Information Engineering			A	
選 Elective	人工智慧 Artificial Intelligence	3	半年 semester	一、二 First year, second year	資訊管理研究所 Graduate Institute of Information Management			A	
選 Elective	人工智慧文本分析 Artificial Intelligence for Text Analytics	3	半年 semester	一、二 First year, second year	資訊管理研究所 Graduate Institute of Information Management			A	
選 Elective	大數據分析 Big Data Analysis	3	半年 semester	一、二 First year, second year	資訊管理研究所 Graduate Institute of Information Management			A	
選 Elective	軟體工程 Software Engineering	3	半年 semester	一、二 First year,	資訊管理研究所 Graduate Institute of			A	

					second year	Information Management			
其他 Others	選 Elective	獨立研究(一) Independent Study I	2	半年 semester	一 First year	城市治理碩士學位 學程 International Program on Urban Governance		C1	
	選 Elective	獨立研究(二) Independent Study II	2	半年 semester	二 Second year	城市治理碩士學位 學程 International Program on Urban Governance		C1	
	選 Elective	校外實習 Field Practice	2	半年 semester	一、二年級 First year, second year	城市治理英語碩士 學位學程 International Program on Urban Governance		B2	

1. 102 學年(含)以前入學學生畢業學分：36 學分(含畢業論文 6 學分)。

Credit requirements for students enrolled before academic year 2013 (inclusive): 36 credits (including graduation thesis 6 credits).

2. 103 學年(含)後入學學生畢業學分：24 學分(含畢業論文 0 學分)，其中 12 學分為必修課程，其餘 12 學分為選修課程。

Credit requirements for students enrolled after academic year 2014 (inclusive): 24 credits (including graduation thesis 0 credits), in which 12 credits are required courses and the remaining 12 credits are elective courses.

3. 108 學年(含)後入學學生畢業學分：24 學分(含畢業論文 0 學分)，其中 10 學分為必修課程，其餘 14 學分為選修課程。

Credit requirements for students enrolled after academic year 2019 (inclusive): 24 credits (including graduation thesis 0 credits), in which 10 credits are required courses and the remaining 14 credits are elective courses.

4. 109 學年(含)後入學學生畢業學分：24 學分(含畢業論文 0 學分)，其中 10 學分為必修課程(中文(一)及中文(二)為 0 學分)，其餘 14 學分為選修課程。

Credit requirements for students enrolled after academic year 2020 (inclusive): 24 credits (including graduation thesis 0 credits), in which 10 credits are required courses (Chinese (I) and Chinese (II) are both 0 credits) and the remaining 14 credits are elective courses.

5. 110 學年(含)後入學學生畢業學分：28 學分(含畢業論文 0 學分)，其中 10 學分為必修課程(中文(一)及中文(二)為 0 學分)，其餘 18 學分為選修課程。

Credit requirements for students enrolled after academic year 2021 (inclusive): 28 credits (including graduation thesis 0 credits), in which 10 credits are required courses (Chinese (I) and Chinese (II) are both 0 credits) and the remaining 18 credits are elective courses.

6. 111 學年(含)後入學學生畢業學分：28 學分(含畢業論文 0 學分)，其中 10 學分為必修課程(華語(一)及華語(二)為 0 學分)，其餘 18 學分為選修課程，必修課程中「量化資料分析」與「質性研究方法」兩課程二擇一修習。

Credit requirements for students enrolled after academic year 2022 (inclusive): 28 credits (including graduation thesis 0 credits), in which 10 credits are required courses (Chinese (I) and Chinese (II) are both 0 credits) and the remaining 18 credits are elective courses. **Among the required courses, students can choose between "Quantitative Data Analysis" and "Qualitative Research Methods".**

7. 進入本學位學程就讀前，已於本校修習非本學位學程開設之研究所相關課程，經學程委員會認定後，且成績達 80 分以上者，得申請抵免學分，但以 9 學分為限。

Students may apply for credit transfer for the relevant NTPU graduate courses taken before they enrolled for study in the Program, so long as the course is recognized by the Curriculum Committee and the student received a score of 80 points or above. However, the number of credits transferred is limited to 9 credits.

8. 本學程學生選課需經指導教授同意，並繳交經指導教授簽章核可之選課清單，方視為正式選課(尚未有指導教授之學生則需經學程導師同意)。

Students of the Program must obtain the approval of their thesis advisor to select courses, and must submit a list of courses approved and signed by their thesis advisor to officially take a course (students who do not have an thesis advisor must obtain the approval of their academic advisor).

9. 本學程學生選修外系(所)之課程，經導師或指導教授於選課清單上簽章核可者，得納入畢業學分，但以 3 學分為限。

Students who take courses at departments (institutes) outside of the IPUG must acquire permission from his/her academic advisor or thesis advisor, and submit the course selection list with the academic advisor or thesis advisor's signature to the IPUG. The credits of the course can be counted toward graduation credits, but this is limited to three credits.

10. 母語非英語之入學學生寫作成績未達 IELTS 5.5/TOEFL 18 分，或未提供相關語言能力證明足以完成學業者，本學程得要求修習本校開設之相關英語寫作能力課程，不列入畢業學分數計算。

If a student whose native language is not English has a writing score that does not reach IELTS 5.5/TOEFL 18, or the student does not provide relevant language proficiency certificates sufficient for completion of study, the Program may require the student to take an English writing course offered in National Taipei University, and credits from the course will not be counted towards the credit requirement for graduation.

11. 本校碩、博士班研究生(含碩士在職專班)，不論一般生、僑外生、陸生均應至本校所規定之網站(學生資訊系統/學術資源/學術研究倫理教育課程網站)自行修習「學術研究倫理教育」課程，並通過線上課程測驗達及格標準，經出示修課證明始得申請學位口試。未通過者不得申請論文口試。

Master's and doctoral students (including on-the-job graduate programs) at National Taipei University, including general students, overseas Chinese students, foreign students, and Chinese students, must complete the “Academic Research Ethics Education” course on the designated website (Student Information System/academic resources/Academic Research Ethics Education course website), receive a passing score in the online test, and provide a completion certificate to apply for the oral examination. Students who have not passed the course may not apply for the oral examination.

※ 開課屬性：請以 A、B1、B2、C1、C2、D 附註。

※ Course Characteristics: Please specify A, B1, B2, C1, C2, or D in the remarks.

A：正課—教師全程授課，包含台上講述、台下指導之科目（如學生講述、邀請演講、專題討論、專題研究...等）。

A: Regular course – Taught by the lecturer, including lectures and advising subjects (e.g., student lectures, inviting speakers, discussions, research projects, etc.).

B1：實習課程—教師全程授課，授課時數不減半。B2：實習課程—教師未全程授課，授課時數減半，惟專任教師授課時數不足，以不減半計。

B1: Internship course – Taught by the lecturer and teaching hours are not calculated as half. B2: Internship course – Taught by the lecturer, teaching hours are calculated as half; but are not calculated as half when the full-time teacher offering the course has insufficient teaching hours.

C1：實作課程—教師全程授課，授課時數不減半。C2：實作課程—教師未全程授課，授課時數減半，惟專任教師授課時數不足，以不減半計。

C1: Practice course – Taught by the lecturer and teaching hours are not calculated as half. C2: Practice course – Taught by the lecturer, teaching hours are calculated as half; but are not calculated as half when the full-time teacher offering the course has insufficient teaching hours.

D：數位自學課程

D：Digital self-learning course

※ 實習課程：依據本校學生實習辦法第二條規定，各教學單位得依系所發展特色及課程教學目標，針對學科專業結合學生職涯所需技能規劃與實施校內外實習課程，使學生提早體驗職場，建立正確工作態度，並激發學生學習及進行未來生涯發展規劃。

※ Internship Courses: Pursuant to Article 2 of the Student Internship Regulations, teaching units may plan and implement internal and external internship courses that combine specialties and the skills needed by students for their careers based on the department's development features and teaching goals. These courses allow students to experience the workplace in advance, develop the right attitude towards work, and inspires them to learn and plan their future careers.

※ 實作課程：課程內容多為學生實際動手操作，使學生藉由實作學習過程中能理解及建構知識的課程。

※ Practice Courses: Courses mainly involve hands-on instructions for students, so that students can understand and build knowledge during practice.

※ 數位自學課程：依據本校數位自學課程作業要點第二條規定，係指由國內外知名大專校院及企業機構於國際線上課程平臺（如：Coursera、edX、FutureLearn、AWS Educate）所開設之數位課程。

※ Digital self-learning course: Pursuant to Article 2 of the NTPU Digital Self-learning Course Regulations, the digital self-learning courses are those taught via Coursera, edX、FutureLearn, AWS Educate, etc and provided by famous domestic or overseas universities and enterprises.

※ 本表業經本學程 111 年 11 月 23 日課程委員會討論通過在案

※ The list was discussed and passed by the Program Curriculum Committee on November 23, 2022.

承辦人簽章：

111 年 11 月 23 日

Signature or seal of handling officer:

November 23, 2022

學位學程主任簽章：

111 年 11 月 23 日

Signature or seal of the degree program's director:

November 23, 2022