

# National Taipei University [115](#) Academic Year Professional Course Planning Table

Teaching Unit (Department, Institute, Center, Degree Program): The Bachelor Program in Smart Sustainable Development and Management

**Course System:**

Bachelor's Degree Program (U)    Master's Degree Program (M)    Doctoral Degree Program (D)

**Category:**

Departmental Professional Courses    Double Major    Minor

College Common Required/Elective Courses    University Common Required/Elective Courses

Course type: Please noted A, B1, B2, C1, C2 and D.

A : Regular course—Teacher gives lectures including on-stage narration and off-stage guidance (e.g. student's presentation, speech, panel discussion, seminar and etcetera.)

B1 : Internship course—Teachers teach the whole course, and the number of teaching hours will not be reduced by half.

B2 : Internship course—If the teacher does not teach the whole course, the teaching hours will be halved, but if the full time teacher does not have enough teaching hours, it will not be halved.

C1 : Practical course—Teachers teach the whole course, and the number of teaching hours will not be reduced by half.

C2 : Practical course—If the teacher does not teach the whole course, the teaching hours will be halved, but if the full time teacher does not have enough teaching hours, it will not be halved.

D : E-learning Course

※Internship Course: In accordance with the stipulations set forth in Article 2 of National Taipei University Internship Regulations, each Academics may plan and implement on-campus and off-campus internship courses based on the features and teaching goals of their departments. These courses aim to combine subject-specific expertise with the skills required for students' career development. Through these courses, students can gain early experience in the workplace, establish positive work attitudes, be motivated to learn, and start planning their future career development.

※E-learning Course: In accordance with the stipulations set forth in Article 2 of Operation Directions for the E-learning Course, E-learning courses refer to courses offered by renowned domestic and international colleges, universities, and corporate organizations on international online course platforms (such as Coursera、edX、FutureLearn、AWS Educate).

Field	Category (Required (Optional))	Course Name (Written in Chinese)	Course Name(ENG)	Credits	Full/ Half	Suggestion the grade for students to study	Designated (department)	Prerequisite Course	Course type	Note
	Required	國際永續與創新概論	Introduction to International Sustainability and Innovation	2	Half	1	ICSI		A	
	Required	華語(一)	Mandarin (1)	2	Half	1	Chinese Language Center		A	
	Required	華語(二)	Mandarin (2)	2	Half	1	Chinese Language Center		A	
	Required	微積分	Calculus	3	Half	1	Department of Statistics		A	
	Required	經濟學	Economics	3	Full	1	GMBA Department of Business Administration		A	
	Required	經濟學	Economics	3	Full	1	GMBA Department of Business Administration		A	
	Required	基礎會計學	Introductory Accounting	3	Half	1	GMBA Department of Accountancy		A	
	Required	程式設計	Computer Programming	3	Half	1	SSDM		C1	
	Required	永續發展與管理	Sustainable Development and Management	3	Half	1	SSDM		A	
	Required	治理理論與實務	Theory and Practice of Governance	3	Half	1	Department of Public Administration and Policy		A	
	Required	統計學	Statistics	3	Full	2	Department of Statistics		A	
	Required	統計學	Statistics	3	Full	2	Department of Statistics		A	
	Required	循環經濟與永續發展	Circular Economy and Sustainable Development	3	Half	2	Department of Economics		A	
	Required	大數據與資料探勘	Big Data and Data Mining	3	Half	2	SSDM (MS)Graduate Institute of Information Management		A	
	<b>Required</b>	<b>企業倫理與永續發展</b>	<b>Business Ethics and Sustainable Development</b>	<b>1</b>	<b>Half</b>	<b>2</b>	<b>GMBA</b>		<b>A</b>	

Field	Category (Required /Optional)	Course Name (Written in Chinese)	Course Name(ENG)	Credits	Full/ Half	Suggestion the grade for students to study	Designated (department)	Prerequisite Course	Course type	Note
	Required	財務管理	Financial Management	3	Half	2	GMBA Department of Business Administration		A	
	Required	投資學	Investments	3	Half	2	GMBA Department of Business Administration		A	
	Required	永續金融	Sustainable Finance	3	Half	2	GMBA Department of Business Administration		A	
	Required	永續與韌性城市	Sustainable and Resilient Cities	2	Half	2	SSDM REBE		A	
	Required	地理資訊系統實務	The Practice of Geographic Information System	2	Half	2	SSDM REBE		A	
	Required	人工智慧與商業運用	Artificial Intelligence and Business Application	3	Half	3	SSDM (MS)Graduate Institute of Information Management		C1	
	Required	商業分析	Business Analytics	3	Half	3	Department of Business Administration GMBA		A	
	Required	綠色環境管理	Green Environmental Management	3	Half	3	Department of Business Administration GMBA		A	
	Required	智慧永續發展專題研討	Seminar on AI & Sustainable Development	3	Half	4	SSDM		C1	
	Optional	進階會計學	Advanced Accounting	3	Half	1	GMBA Department of Accountancy		A	
	Optional	永續商務	Sustainable Business	3	Half	1	SSDM		A	
	Optional	永續能源系統	Sustainable Energy Systems	3	Half	1	SSDM		A	
	Optional	Python程式設計	Programming Python	3	Half	1	SSDM		A	
	Optional	機器學習	Machine Learning	3	Half	1	SSDM (MS)Graduate Institute of Information Management		C1	
	Optional	財務報表分析	Financial Statement Analysis	3	Half	2	GMBA Department of Business Administration		A	
	Optional	企業社會責任	Corporate Social Responsibility	3	Half	2	GMBA Department of Business Administration		A	
	Optional	國際財務管理	International Financial Management	3	Half	2	GMBA Department of Business Administration		A	
	Optional	人力資源管理	Human Resource Management	3	Half	2	GMBA Department of Business Administration		A	
	Optional	永續發展與健康	Sustainable Development and Health	2	Half	2	SSDM REBE		A	
	Optional	地理資訊系統之永續應用	GIS for Sustainability	3	Half	2	SSDM		A	The course name used to be "永續城市規劃和管理地理資訊系統(GIS for Sustainable Urban Planning and Management)"

Field	Category (Required (Optional)	Course Name (Written in Chinese)	Course Name(ENG)	Credits	Full/ Half	Suggestion the grade for students to study	Designated (department)	Prerequisite Course	Course type	Note
	Optional	氣候變遷與永續能源	Climate Change and Sustainable Energy	2	Half	2	Department of Public Administration and Policy		A	
	Optional	城市治理專題	Seminar on Urban Governance	2	Half	2	Department of Public Administration and Policy IPUG		C1	
	Optional	永續發展與環境	Sustainable Development and Environment	2	Half	2	資源所		A	
	Optional	世界文化與永續發展	World Cultures and Sustainable Development	2	Half	2	IPUG		A	
	Optional	智慧城市發展策略	Development Strategy for Smart Cities	2	Half	2	REBE		A	
	Optional	城市旅遊與永續發展	Urban Tourism and Sustainability	2	Half	2	IPUG		A	
	Optional	不動產個案研究	Real Estate Case Study	2	Half	2	SSDM REBE		A	
	Optional	氣候變遷與極端氣候	Climate Change and Extreme Weather	3	Half	2	SSDM		A	
	Optional	永續 IT：推動環境責任	Sustainable IT: Driving Environmental Responsibility	3	Half	2	SSDM		A	
	<b>Optional</b>	<b>社會問題</b>	<b>Social Problems</b>	<b>3</b>	<b>Half</b>	<b>2</b>	<b>SSDM Department of Sociology</b>		<b>A</b>	
	Optional	創業與新服務管理	Entrepreneurship and New Service Management	3	Half	3	GMBA Department of Business Administration		A	
	Optional	國際金融理論	Theory of International Finance	3	Half	3	GMBA Department of Business Administration		A	
	Optional	行銷管理	Marketing Management	3	Half	3	GMBA Department of Business Administration		A	
	Optional	投資基金與策略分析	Investment Fund and Portfolio Strategies	3	Half	3	GMBA Department of Business Administration		A	
	Optional	公司治理專題	Seminar on Corporate Governance	3	Half	3	GMBA Department of Business Administration		C1	
	Optional	社會永續發展	Social Sustainability	3	Half	3	SSDM		A	
	Optional	環境政治	Politics of the Environment	3	Half	3	SSDM		A	
	Optional	社會面向下的空間與地方創生	Space and place-making under social transition	2	Half	3	IPUG		A	
	Optional	自然資源經濟學	Natural Resource Economics	2	Half	3	Department of Public Finance		A	
	Optional	進階國際不動產個案分析	Advanced International Real Estate Case Study	2	Half	3	SSDM REBE		A	
	Optional	韌性理論與環境規劃之應用	Resilience Theory and Applications in Environmental Planning	3	Half	3	Graduate Institute of Urban Planning		A	
	Optional	國際住宅政策	Global Housing Policies	2	Half	3	SSDM REBE		A	
	Optional	災難管理專題	Seminar on Disaster Management	2	Half	3	Department of Public Administration and Policy		C1	
	Optional	資料視覺化圖形設計	Data Visualization Graphic Design	3	Half	3	SSDM (MS)Graduate Institute of Information Management		C1	

Field	Category (Required /Optional)	Course Name (Written in Chinese)	Course Name(ENG)	Credits	Full/ Half	Suggestion the grade for students to study	Designated (department)	Prerequisite Course	Course type	Note
	Optional	建構永續物聯網商業模式	Building Sustainable IoT Business Models	3	Half	3	SSDM		A	
	Optional	機器學習之農業應用	Applied Machine Learning in Agriculture	3	Half	3	SSDM		A	The course name used to be "機器學習在農業問題的應用 (Applied Machine Learning in Agricultural Problem)"
	<b>Optional</b>	<b>比較社會政策</b>	<b>Comparative Social Policy</b>	<b>3</b>	<b>Half</b>	<b>3、4</b>	<b>SSDM Department of Social Work</b>		<b>A</b>	
	Optional	金融科技	Financial Technology	3	Half	4	SSDM Department of Finance and Cooperative Management		A	
	Optional	策略管理	Strategy Management	3	Half	4	Department of Business Administration GMBA		A	
	Optional	消費者行為研究	Consumer Behavior Research	3	Half	4	Department of Business Administration GMBA		A	
	Optional	人類居住環境替選方案：實例與政策	Alternative Human Habitat: Practice and Policy	2	Half	4	SSDM REBE		A	
	Optional	全球化與地緣政治	Globalization and Geopolitics	3	Half	4	SSDM		A	
	Optional	質性研究方法	Qualitative Research Methods	2	Half	4	SSDM REBE		A	
	Optional	量化資料分析	Quantitative Data Analysis	2	Half	4	Graduate Institute of Urban Planning		A	
	Optional	研究方法	Research Methodology	2	Half	4	Department of Sociology IPUG		A	
	Optional	機器學習之金融應用	Machine Learning in Finance	3	Half	4	SSDM		A	The course name used to be "機器學習驅動金融機會(Machine Learning-Powered Finance Opportunities)"
	Optional	永續數據分析	Sustainability and ESG Data Analytics	3	Half	4	(MS)Graduate Institute of Information Management		A	
	Optional	永續企業	Sustainable Business Enterprises	1	Half	1-4	Coursera		D	
	Optional	跨域創新與職涯探索	Interdisciplinary Innovation and Career Exploration	1	Half	1-4	SSDM		A	
	Optional	各學院中文授課課程 #1	Chinese #1	2	Half				A	
	Optional	各學院中文授課課程 #2	Chinese #2	2	Half				A	
	Optional	各學院中文授課課程 #3	Chinese #3	2	Half				A	

※ Students in this department (division) must complete at least **128** credits to graduate, including: University-required core courses (including: Chinese, English, and General Education) **20** credits, Department-required courses **66** credits, Department elective courses at least **26** credits, External department courses up to **16** credits, and Common courses **0** credits, Internship **0** credits (please check again if there are internship credits:  University-required  University elective  External-required  External elective).

※ Students in this department (division) who complete the credits required for a minor or double major may count them as up to \_\_\_\_ credits of external department elective courses and common elective courses in this department's graduation credits, applicable to new students entering this academic year.

※The curriculum committee has discussed and approved the record on (Department/Division/Center/Office) on yyyy/mm/dd.

Signature of Coordinator :

(YYYY/MM/DD)