

112學年度 第2學期 校內課程及Coursera平台課程對應清單(113.01.09公告)

學院 College	系所名稱	系所代碼	課程代碼	課程名稱	必修/選修	負責教師	Coursera對應課程數	Coursera課程名稱 (Course Name)	開課單位 (University/Industry Partner Name)	連結網址 (Course URL)																																
文學院 College of Liberal Arts	外國語文學系 Department of Foreign Languages and Literature	B2	B238300	商用英文：行銷與銷售	選修	謝修	Coursera對應課程 1	Business English: Marketing and Sales	Arizona State University	https://www.coursera.org/learn/marketing-sales-english																																
			B224900	商用英文：簡報與會議	選修	謝修	Coursera對應課程 2	Business English: Making Presentations	University of Washington	https://www.coursera.org/learn/business-english-presentations																																
			B238400	商用英文：人脈關係	選修	謝修	Coursera對應課程 1	Business English: Networking	University of Washington	https://www.coursera.org/learn/business-english-networking																																
	B234700	跨媒體寫作	選修	謝修	Coursera對應課程 1	Transmedia Writing	Michigan State University	https://www.coursera.org/learn/transmedia-writing																																		
	歷史學系 Department of History	B3	B324200	數位化與口述歷史的居住文化遺產	選	蕭其	Coursera對應課程 1	修復人類遺產與全球世界遺產	羅馬大學	https://www.coursera.org/learn/repairing-cultural-heritage																																
			B321A10	相機不說話：二十世紀的影片、影像與歷史解釋	選	饒宏逸	Coursera對應課程 1	Cultural Competence - Aboriginal Sydney	雪梨大學	https://www.coursera.org/learn/cultural-competence-aboriginal-sydney																																
B34C600			全球南方國家的歷史：非洲視角	選	蕭其	Coursera對應課程 1	Film, Images & Historical Interpretation in the 20th Century: The Camera Never Lies	倫敦大學	https://www.coursera.org/learn/film-images																																	
土木工程學系 Department of Civil Engineering	E6	E634700	初階MATLAB	選修	林冠中	Coursera對應課程 1	Introduction to Programming with MATLAB	Vanderbilt University	https://www.coursera.org/learn/matlab																																	
							Mastering Programming with MATLAB	Vanderbilt University	https://www.coursera.org/learn/mastering-matlab-programming																																	
							Get Started with Python (Hello, Python)	Google	https://www.coursera.org/learn/get-started-with-python-course																																	
							Data Management and Visualization	Wesleyan University	https://www.coursera.org/specializations/data-analysis																																	
							Data Analysis Tools	Wesleyan University	https://www.coursera.org/specializations/data-analysis																																	
							Regression Modeling in Practice	Wesleyan University	https://www.coursera.org/specializations/data-analysis																																	
	E634800	數據管理與可視化基礎應用-Python	選修	洪濤	Coursera對應課程 5	Machine Learning for Data Analysis	Wesleyan University	Wesleyan University	https://www.coursera.org/specializations/data-analysis																																	
										Data Analysis and Interpretation Capstone	Wesleyan University	https://www.coursera.org/specializations/data-analysis																														
										Introduction to Data Science and scikit-learn in Python	LearnQuest	https://www.coursera.org/learn/data-science-and-sikit-learn-in-python																														
										Python for Data Science, AI & Development	IBM Skills Network	https://www.coursera.org/learn/python-for-applied-data-science-ai																														
										Data Analysis with Python	IBM Skills Network	https://www.coursera.org/learn/data-analysis-with-python																														
										Data Visualization with Python	IBM Skills Network	https://www.coursera.org/learn/python-for-data-visualization																														
F4	F433500	太空動力學Kinetics: Studying Spacecraft Motion	選	吳志勇	Coursera對應課程 1	Kinetics: Studying Spacecraft Motion	University of Colorado Boulder	https://www.coursera.org/learn/spacecraft-dynamics-kinetics																																		
									F433600	從分子到機器的統計熱力學 Statistical Thermodynamics: Molecules to Machines	選	吳志勇	Coursera對應課程 2	Fundamentals of Microscopic and Microscopic Thermodynamics	University of Colorado Boulder	https://www.coursera.org/learn/microscopic-thermodynamics																										
									F433700	應用MATLAB於預測模型與機器學習 Predictive Modeling and Machine Learning with MATLAB	選	吳志勇	Coursera對應課程 1	Statistical Thermodynamics: Molecules to Machines	Carnegie Mellon University	https://www.coursera.org/learn/statistical-thermodynamics-cmu																										
	E4	E422600	應用Matlab之資料科學 Data Science in Matlab with Coursera	選修	吳志勇	Coursera對應課程 2	Introduction to Data, Signal, and Image Analysis with MATLAB	Vanderbilt University	https://www.coursera.org/learn/matlab-image-processing																																	
										E422700	神經網路與深度學習 Neural Networks and Deep Learning	選	高立誠	Coursera對應課程 1	Predictive Modeling and Machine Learning with MATLAB	MathWorks	https://www.coursera.org/learn/predictive-modeling-machine-learning																									
										E120800	3D列印與積層製造	選	劉至行	Coursera對應課程 4	Data Processing and Feature Engineering with MATLAB	Mathworks	https://www.coursera.org/learn/feature-engineering-matlab																									
	E1	E120900	物聯網程式設計入門	選	劉至行	Coursera對應課程 3	Interfacing with the Raspberry Pi	University of California, Irvine	https://www.coursera.org/learn/interfacing-with-raspberry-pi																																	
										E121000	Python互動式程式設計入門	選	劉至行	Coursera對應課程 1	An Introduction to Interactive Programming in Python (Part 1)	Rice University	https://www.coursera.org/learn/interactive-python-1																									
																		E121100	Python資料分析入門	選	劉至行	Coursera對應課程 2	Python Data Representations	Rice University	https://www.coursera.org/learn/python-representation																	
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F0		F031800	Python互動式程式語言設計 An Introduction to Interactive Programming in Python	選	吳志勇	Coursera對應課程 1	An Introduction to Interactive Programming in Python (Part 1)	Rice University	https://www.coursera.org/learn/interactive-python-1																																	
										F031900	永續材料管理 Sustainable Materials Management	選	吳志勇	Coursera對應課程 1	Circular Economy - Sustainable Materials Management	Lund University	https://www.coursera.org/learn/circular-economy																									
																		F032000	流固交互作用與動力 Fluid-Solid Interactions and Fluid Power	選	吳志勇	Coursera對應課程 2	Fundamentals of Fluid Power	University of Minnesota	https://www.coursera.org/learn/fluid-power																	
																										C5	C527000	免疫學導論	選	何慶勳	Coursera對應課程 1	Fundamentals of Immunology: Innate Immunity and B-Cell Function	Rice University	https://www.coursera.org/learn/immunology								
																																			C527100	生物圈2：地球的未來	選	李亞天	Coursera對應課程 1	Biosphere 2: Science for the Future of Our Planet	The University of Arizona	https://www.coursera.org/learn/biosphere2
C633500	植物學知識與生理概論 Understanding Plants: What a Plant Knows / Fundamentals of Plant Biology	選修	郭建君	Coursera對應課程 2	Bioinformatic Methods I (李登天)	University of Toronto	https://www.coursera.org/learn/bioinformatics-methods-1																																			
								C621700	了解大腦：日常生活中的神經生理學 Understanding the Brain: The Neurobiology of Everyday Life	選修	許觀球	Coursera對應課程 1	Understanding Plants - Part I: What a Plant Knows	Tel Aviv University (TAU) (特拉維夫大學)	https://www.coursera.org/learn/plantknows																											
																D8	D822900	日常生活中的道德議題 Morality of everyday life	選修	胡中凡	Coursera對應課程 1	Understanding Plants - Part II: Fundamentals of Plant Biology	Tel Aviv University (TAU) (特拉維夫大學)	https://www.coursera.org/learn/plant-biology																		
																									D822801	改善你的統計推論力 Improving your statistical inferences	選修	胡中凡	Coursera對應課程 2	Fundamentals of Plant Biology	The University of Chicago (芝加哥大學)	https://www.coursera.org/learn/plant-biology										
																																	D823000	R語言資料可視化 Data Visualization in R	選修	胡中凡	Coursera對應課程 3	Morality of everyday life	Politecnico di Milano	https://www.coursera.org/learn/morality-of-everyday-life		
																																									D823101	視知覺與大腦 Visual Perception and the Brain
D823700	再想一想：(1)如何辯證主張與(2)如何演繹的推理 Think Again: (I) How to understand arguments, and (II) How to reason deductively	選修	胡中凡	Coursera對應課程 1	Improving your statistical inferences	Eindhoven University of Technology	https://www.coursera.org/learn/improving-your-statistical-inferences																																			
								D823200	正向心理學理論與應用 Positive Psychology: Theories and Application	選修	胡中凡	Coursera對應課程 2	Getting Started with Data Visualization in R	Johns Hopkins University	https://www.coursera.org/learn/getting-started-data-viz-r																											
																D823300	大學生生存守則：身心健康的自我照顧 College Student Life 101: Mental and Physical Self-Care	選修	胡中凡	Coursera對應課程 1	Data Visualization in R with ggplot2	Johns Hopkins University	https://www.coursera.org/learn/data-visualization-in-r																			
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																																	D522900	基礎氣候變遷經濟與財務分析	選	李繼宇	Coursera對應課程 3	Publishing Visualizations in R with Shiny and flexdashboard	Johns Hopkins University	https://www.coursera.org/learn/shiny-flexdashboard		
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D523100	Positive Psychology: Applications and Interventions	選	胡中凡	Coursera對應課程 2	Visual Perception	Duke University	https://www.coursera.org/learn/visual-perception																																			
								D523200	Positive Psychology: Character, Grit and Research Methods	選	胡中凡	Coursera對應課程 3	The Brain and Space	Duke University	https://www.coursera.org/learn/brain-space																											
																D523300	Life 101: Mental and Physical Self-Care The Arts and Science of Relationships: Understanding Human Needs	選	胡中凡	Coursera對應課程 1	Think Again I: How to Understand Arguments	Duke University	https://www.coursera.org/learn/understanding-arguments																			
																								D523400	Greening the Economy: Lessons from Scandinavia	選	李繼宇	Coursera對應課程 2	Think Again II: How to Reason Deductively	Duke University	https://www.coursera.org/learn/positive-psychology-visionary-science											
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D523700	Economics and Policies of Climate Change	選	李繼宇	Coursera對應課程 1	Life 101: Mental and Physical Self-Care The Arts and Science of Relationships: Understanding Human Needs	University of California, Irvine	https://www.coursera.org/learn/life101																																			
								D523800	The Finance of Climate Change	選	李繼宇	Coursera對應課程 2	Greening the Economy: Lessons from Scandinavia	Lund University	https://www.coursera.org/learn/greening-the-economy																											
																D523900	Climate Aware Investing	選	李繼宇	Coursera對應課程 3	Introduction to Sustainability	University of Illinois at Urbana-Champaign	https://www.coursera.org/learn/introduction-to-sustainability																			
																								D524000	Economics, Society, Markets, and Inequality	選	李繼宇	Coursera對應課程 4	Science and Engineering of Climate Change	EDHEC Business School	https://www.coursera.org/learn/science-and-engineering-of-climate-change											
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D524300	Climate Change and Sustainable Investing	選	李繼宇	Coursera對應課程 3	Climate Aware Investing	EDHEC Business School	https://www.coursera.org/learn/climate-aware-investing																																			
								D524400	Economics, Society, Markets, and Inequality	選	李繼宇	Coursera對應課程 4	Economics, Society, Markets, and Inequality	Parsons School of Design, The New School	https://www.coursera.org/learn/economics-society-markets-and-inequality																											

			D523000	公義與繁榮經濟	選	宋魯巖	Coursera對應課程	2	Economic Growth and Distributive Justice Part I - The Role of the State	Tel Aviv University	https://www.coursera.org/team/economic-growth-part-1	
								3	Economic Growth and Distributive Justice Part II - Maximize Social Wellbeing	Tel Aviv University	https://www.coursera.org/team/economic-growth-part-2	
理學院 College of Science	化學系 Department of Chemistry	C3	C320900	表面分析與分子光譜 SURFACE ANALYSIS AND MOLECULAR SPECTROSCOPY	選修	陳巧尚	Coursera對應課程	1	Introduction to Molecular Spectroscopy	University of Manchester	https://www.coursera.org/team/spectroscopy	
								2	Nanotechnology: A Maker's Course	Duke University	https://www.coursera.org/team/nanotechnology	
			C320800	奈米科技與奈米感測技術 NANOTECHNOLOGY AND NANOSENSING TECHNOLOGY	選修	陳以文	Coursera對應課程	1	Nanotechnology and Nanosensors, Part1	Technion - Israel Institute of Technology	https://www.coursera.org/team/nanotechnology1	
								2	Nanotechnology and Nanosensors, Part2	Technion - Israel Institute of Technology	https://www.coursera.org/team/nanotechnology2	
	C321000	藥物開發概論 INTRODUCTION FOR DRUG DEVELOPMENT	選修	李添君	Coursera對應課程	1	Ferrous Technology I	Pohang University of Science and Technology	https://www.coursera.org/team/ferrous-technology-1			
			C321400	藥物使用與規範 DRUGS UTILIZATION AND DRUG POLICY	選修	李添君	Coursera對應課程	1	Drug Discovery	University of California San Diego	https://www.coursera.org/team/drug-discovery	
	物理學系 Department of Physics	C2	C234400	太陽系科學 The Science of the Solar System	選	李君樂	Coursera對應課程	1	Drug Development	University of California San Diego	https://www.coursera.org/team/drug-development	
								2	Drug Commercialization	University of California San Diego	https://www.coursera.org/team/drug-commercialization	
								3	Organic Solar Cells - Theory and Practice	Technical University of Denmark (DTU)	https://www.coursera.org/team/organic-cells	
								1	Plastic electronics	Ecole Polytechnique	https://www.coursera.org/team/plastic-electronics	
								1	The Science of the Solar System	Caltech	https://www.coursera.org/team/solar-system	
電機資訊學院 College of Electrical Engineering & Computer Science	資訊工程學系 Department of Computer Science and Information Engineering	F7	F723700	Linux系統程式設計	選修	張燕光	Coursera對應課程	1	Linux System Programming and Introduction to Buildroot	University of Colorado Boulder	https://www.coursera.org/team/linux-system-programming-introduction-to-buildroot	
								1	Introduction to Machine Learning: Supervised Learning	University of Colorado Boulder	https://www.coursera.org/team/introduction-to-machine-learning-supervised-learning	
			F724600	應用TensorFlow 2 定制化資料模型 I	選修	陳奇樂	Coursera對應課程	1	Customizing your models with TensorFlow 2	Imperial College London	https://www.coursera.org/team/customizing-models-tensorflow2	
		電機工程學系 Department of Electrical Engineering	E2	E233500	複變函論	選修	涂維珍	Coursera對應課程	1	Introduction to Complex Analysis	Wesleyan University	https://www.coursera.org/team/complex-analysis
				E233600	金屬半導體電晶體導論	選修	涂維珍	Coursera對應課程	1	MOS Transistors	Columbia University	https://www.coursera.org/team/mosfet
			E233700	工程矩陣代數導論	選修	陳昭羽	Coursera對應課程	1	Matrix Algebra for Engineers	The Hong Kong University of Science and Technology	https://www.coursera.org/team/matrix-algebra-engineers	
管理學院 College of Management	企業管理學系 Department of Business Administration	H4	H423500	全球策略	選修	許經明	Coursera對應課程	1	Global Strategy I: How The Global Economy Works	University of Illinois at Urbana-Champaign	https://www.coursera.org/team/global-strategy	
								2	Global Strategy II: Doing Business in The Global Economy	University of Illinois at Urbana-Champaign	https://www.coursera.org/team/global-strategy-two	
								1	Sustainable Business Enterprises	University of Illinois at Urbana-Champaign	https://www.coursera.org/team/sustainable-business-enterprises	
								2	What is Social?	Northwestern University	https://www.coursera.org/team/what-is-social	
								3	The Importance of Listening	Northwestern University	https://www.coursera.org/team/importance-of-listening	
				H411800	社群媒體行銷	選修	葉詩碩	Coursera對應課程	4	Engagement & Nurture Marketing Strategies	Northwestern University	https://www.coursera.org/team/nurture-market-strategies
								3	Content Advertising & Social IMC	Northwestern University	https://www.coursera.org/team/social-ink	
								5	The Business of Social	Northwestern University	https://www.coursera.org/team/business-of-social	
								6	Social Marketing Capstone Project	Northwestern University	https://www.coursera.org/team/social-marketing-capstone	
								7	Mobile Marketing, Optimization Tactics, and Analytics	University of California, Irvine	https://www.coursera.org/team/mobile-marketing-optimization-tactics-and-analytics	
		統計學系 Department of Statistics	H2	H222600	生物統計	選修	王煒倫、蘇佩芳	Coursera對應課程	1	Understanding Clinical Research: Behind the Statistics	U. of Cape Town	https://www.coursera.org/team/clinical-research
				H222300	民意調查	選修	李復毅	Coursera對應課程	2	Mathematical Biostatistics Boot Camp 1	Johns Hopkins University	https://www.coursera.org/team/biostatisticsbyhub
								1	Framework for Data Collection and Analysis	University of Maryland	https://www.coursera.org/team/data-collection-framework@jhu	
								2	Questionnaire Design for Social Surveys	University of Michigan	https://www.coursera.org/team/questionnaire-design	
								3	Data Collection: Online, Telephone and Face-to-face	University of Michigan	https://www.coursera.org/team/data-collection-methods	
			H122500	金融數位轉型	選修	廖麗鳳	Coursera對應課程	1	Digital Competition in Financial Services	Copenhagen Business School	https://www.coursera.org/team/digital-competition-financial-services	
							2	FinTech and the Transformation in Financial Services	Copenhagen Business School	https://www.coursera.org/team/fintech-transformation-financial-services		
							3	Innovation Strategy: Developing Your Fintech Strategy	Copenhagen Business School	https://www.coursera.org/team/innovation-strategy-fintech		
							4	Digital Transformation of Financial Services - Capstone Project	Copenhagen Business School	https://www.coursera.org/team/digital-transformation-financial-services-capstone		
	會計學系 Department of Accountancy	H1	H122700	新創企業評價	選修	梁少懷	Coursera對應課程	1	Valuation for Startups Using Discounted Cash Flows Approach	Yonsei University	https://www.coursera.org/team/discounted-cash-flow	
							2	Valuation for Startups Using Multiple Approach	Yonsei University	https://www.coursera.org/team/valuation-multiple		
								3	Financial Analysis for Startups	Yonsei University	https://www.coursera.org/team/financial-ratios	
								4	Applying Investment Decision Rules for Startups	Yonsei University	https://www.coursera.org/team/capital-budgeting	
			H122800	會計資料分析	選修	劉栢柏	Coursera對應課程	1	Introduction to Accounting Data Analytics and Visualization	University of Illinois at Urbana-Champaign	https://www.coursera.org/team/intro-accounting-data-analytics-visual	
							2	Accounting Data Analytics with Python	University of Illinois at Urbana-Champaign	https://www.coursera.org/team/accounting-data-analytics-python		
醫學院 College of Medicine	藥學系 Department of Pharmacology	I8	I822400	物理化學特論 Special Topics in Physical Chemistry	選修	陳登豪	Coursera對應課程	1	Introduction to Physical Chemistry	The University of Manchester	https://www.coursera.org/team/intro-physical-chemistry	
								2	Statistical Molecular Thermodynamics	University of Minnesota	https://www.coursera.org/team/statistical-thermodynamics	
				I811700	普通化學特論 Special Topics in General Chemistry	選修	熊奕傑	Coursera對應課程	3	Advanced Chemistry	University of Kentucky	https://www.coursera.org/team/advanced-chemistry@uky
								1	化學基礎：反應和速率	Duke University	https://www.coursera.org/team/intro-chemistry	
								2	化學基礎：結構和溶解	Duke University	https://www.coursera.org/team/basic-chemistry	
								3	化學基礎：化學	University of Kentucky	https://www.coursera.org/team/chemistry-1	
		醫學檢驗生物技術 Department of Medical Laboratory Science and Biotechnology	I3	I323910	基礎免疫學 (一)	選	徐爾君	Coursera對應課程	1	Fundamentals of Immunology: Innate Immunity and B-Cell Function	Rice University	https://www.coursera.org/team/immunology-fundamentals-immunity@rice
							2	Fundamentals of Immunology: T Cells and Signaling	Rice University	https://www.coursera.org/team/immunology-fundamentals-tcells@rice		
			I324100	基礎化學	選	張耀發	Coursera對應課程	1	Introduction to Chemistry: Reactions and Ratios	Duke University	https://www.coursera.org/team/intro-chemistry	
							2	Introduction to Chemistry: Structures and Solutions	Duke University	https://www.coursera.org/team/basic-chemistry		
							3	Advanced Chemistry	University of Kentucky	https://www.coursera.org/team/advanced-chemistry		
非屬學院 Others	全校不分系學士學位課程 CollegeX	AN	AN30900	資料視覺化與應用	選	李孟學	Coursera對應課程	1	Excel Fundamentals for Data Analysis	Macquarie University	https://www.coursera.org/team/excel-data-visuals-fundamentals	
								2	Data Visualization in Excel	Macquarie University	https://www.coursera.org/team/excel-data-visualization	
								3	Excel Power Tools for Data Analysis	Macquarie University	https://www.coursera.org/team/excel-power-tools	
						AN1D200	從古代到近代：中國思想與人文世界	選	劉家幸	Coursera對應課程	1	Classics of Chinese Humanities: Guided Readings
							2	Religion and Thought in Modern China: The Song, Jin, and Yuan	The Chinese University of Hong Kong	https://www.coursera.org/team/religion-thought-modern-china		