

114 學年度遙測科技碩士學位學程課程表
Master of Science Program in Remote Sensing Science and Technology
2025 Fall – 2026 Spring / Course Curriculum:

All Courses taught in English

*Open every two year

上/下學期 Fall/Spring	課號 Code	課名 Course	任課老師 Instructor	學分數 Credits	對應之永續發展目標 SDGs		
必修 Compulsory							
上學期 (暑期上課) Fall Class in Summer	RS6053	太空遙測原理 Principle of Space Remote Sensing	任玄/林唐煌 Hsuan Ren / Tang-Huang Lin	3			
上學期 Fall	RS6081	遙測數據影像處理I Digital Image Processing for Remote SensingI	任玄 Hsuan Ren	3			
上/下學期 Fall/Spring	RS6001 RS6002 RS6003 RS6004	書報討論 Seminar	許伯駿 Po-Chun Hsu	1			
遙測組必選(7 選 3) Remote Sensing Group – Compulsory Elective (3 out of 7)							
上學期 Fall	RS7007	光學遙測學 Optical Remote Sensing	林唐煌 Tang-Huang Lin	3			

上/下學期 Fall/Spring	課號 Code	課名 Course	任課老師 Instructor	學分數 Credits	對應之永續發展目標 SDGs
	RS7012	數位訊號處理 Digital Signal Processing	任玄 <u>Hsuan Ren</u>	3	8 DECENT WORK AND ECONOMIC GROWTH 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
	RS7032	地質遙測學 Geological Remote Sensing	張中白 <u>Chung-Pai Chang</u>	3	7 AFFORDABLE AND CLEAN ENERGY 15 LIFE ON LAND
	RS7035	海洋遙測 Ocean Remote Sensing	許伯駿 <u>Po-Chun Hsu</u>	3	13 CLIMATE ACTION 14 LIFE BELOW WATER 17 PARTNERSHIPS FOR THE GOALS
下學期 Spring	RS5046	環境資料科學 Environmental Data Science	鄭懷傑 <u>Whyjay Zheng</u>	3	13 CLIMATE ACTION
	*RS7033	合成孔徑雷達 Synthetic Aperture Radar	任玄 <u>Hsuan Ren</u>	3	4 QUALITY EDUCATION 7 AFFORDABLE AND CLEAN ENERGY 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
空資組必選 Geoinformatics Group – Compulsory Elective					
上學期 Fall	RS5012	衛星測量及導航 Satellite Geodesy and Navigation	曾國欣 <u>Kuo-Hsin Tseng</u>	3	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 11 SUSTAINABLE CITIES AND COMMUNITIES

上/下學期 Fall/Spring	課號 Code	課名 Course	任課老師 Instructor	學分數 Credits	對應之永續發展目標 SDGs		
	RS7065	地理資訊系統 Geographic Information Systems	姜壽浩 Shou-Hao Chiang	3			
	RS7076	數位攝影測量 Digital Photogrammetry	黃智遠 Chih-Yuan Huang	3			
上/下學期 Fall/Spring	課號 Code	課名 Course	任課老師 Instructor	學分數 Credits			
選修 Elective							
上學期 Fall	RS5035	描述性海洋學 Descriptive Oceanography	許伯駿 Po-Chun Hsu	3			
	RS5054	空間資訊數位研究 Geospatial Digital Study	劉說安 Yuei-An Liou	3			
	RS5096	統計學 Statistics	李泉 Chuan Li	3			
	RS6026	遙測開放科學實踐 Open Science Practices in Remote Sensing	鄭懷傑 Whyjay Zheng	3			

上/下學期 Fall/Spring	課號 Code	課名 Course	任課老師 Instructor	學分數 Credits	對應之永續發展目標 SDGs
	RS6035	資料收集、分析與應用 Data collection, analysis & application	蔡龍治 <u>Lung-Chih Tsai</u>	3	
下學期 Spring	RS5008	數位地形與城市模型 Digital Terrain and City Modeling	蔡富安 <u>Fuan Tsai</u>	3	
	RS5020	雷達遙測實務 Applications of Radar Remote Sensing	曾國欣 <u>Kuo-Hsin Tseng</u>	3	4 QUALITY EDUCATION 11 SUSTAINABLE CITIES AND COMMUNITIES 15 LIFE ON LAND
	RS5036	海氣資料處理與科學繪圖 Ocean and Atmospheric Data Processing and Scientific Visualization	許伯駿 <u>Po-Chun Hsu</u>	3	4 QUALITY EDUCATION 13 CLIMATE ACTION 14 LIFE BELOW WATER
	RS5038	海洋與氣候變遷 Ocean and Climate Change	許伯駿 <u>Po-Chun Hsu</u>	3	11 SUSTAINABLE CITIES AND COMMUNITIES 13 CLIMATE ACTION 14 LIFE BELOW WATER
	RS5044	數位影像與社會變遷 Digital Image and Social Change	劉說安 <u>Yuei-An Liou</u>	3	13 CLIMATE ACTION 15 LIFE ON LAND 17 PARTNERSHIPS FOR THE GOALS
	RS5045	盆地構造學 Tectonics of Sedimentary Basins	張中白 <u>Chung-Pai Chang</u>	2	4 QUALITY EDUCATION 7 AFFORDABLE AND CLEAN ENERGY
	RS6024	海洋災害與環境監測資料分析 Ocean hazards and environmental monitoring data analysis	許伯駿 <u>Po-Chun Hsu</u>	3	4 QUALITY EDUCATION 13 CLIMATE ACTION 14 LIFE BELOW WATER

上/下學期 Fall/Spring	課號 Code	課名 Course	任課老師 Instructor	學分數 Credits	對應之永續發展目標 SDGs
	*RS7009	偵測與估計 Detection and Estimation	任玄 <u>Hsuan Ren</u>	3	
	RS7036	氣膠遙測 Aerosol Remote Sensing	林唐煌 <u>Tang-Huang Lin</u>	3	  
	RS7078	空間資訊分析及應用 Spatial Data Analysis and Applications	姜壽浩 <u>Shou-Hao Chiang</u>	3	 
	RS7119	雲端地理資訊系統 Cloud-based Geographic Information System	黃智遠 <u>Chih-Yuan Huang</u>	3	 

※選修課程僅供參考，請依當期選課系統為準。For the elective courses, please refer to the NCU Course Selection System.

※如選修非表列之相關領域課程且欲須採計為畢業學分，需經指導教授同意。 With the prior approval of an advisor, students in the program may select graduate-level courses beyond the approved list of electives to fulfill the electives requirement.