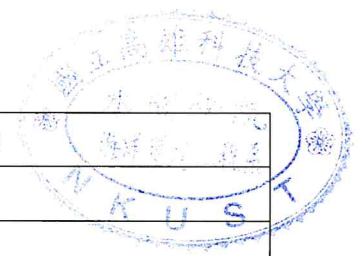


## 2025 Curricula for the Master's Program in Department of Marine Environmental Engineering

28 修訂、113.10.8 修訂

課程類別 Course Category			一年級 1 <sup>st</sup> Academic Year						二年級 2 <sup>nd</sup> Academic Year					
			第一學期 Semester 1			第二學期 Semester 2			第一學期 Semester 1			第一學期 Semester 1		
			課程名稱 Course Name	學分數 Credits	時數 Hours	課程名稱 Course Name	學分數 Credits	時數 Hours	課程名稱 Course Name	學分數 Credits	時數 Hours	課程名稱 Course Name	學分數 Credits	時數 Hours
系專業 課程 Departmental Professional Courses	必修 Required	應修學分數 17 學分	高等海洋學 Advanced Oceanography	3	3	專題討論(一) Special Topics(1) (老師輪流排序)	2	2	書報討論(二) Seminar(2) (老師輪流排序)	2	2	專題討論(二) Special Topics(2) (老師輪流排序)	2	2
		Credits Needed : 17 Credits	書報討論(一) Seminar(1) (老師輪流排序)	2	2	論文(各指導教授) Thesis	6	6						
	選修 Elective	應修學分數 21 學分  Credits needed : 21 Credits	實驗室品保與品管 Laboratory Quality Assurance and Quality control /3/3(上)											
			儀器分析 Instrumental Analysis /3/3(上)											
			高等空氣污染 Advanced Air Pollution /3/3(上)											
			有害場址調查與整治 Hazardous Waste Site Investigation and Remediaton /3/3(上)											
			水及廢水工程 Water and Wastewater Engineering /3/3(上)											
			多變量統計分析 Multivanate Statistics Analysis /3/3(上)											
			海洋環境調查與監測 Marine Environment Survey and Monitoring /3/3(上)											
			科學研究計畫管理 Project Management for Laboratory Scientists /3/3(上)											
			污染物傳輸 Contaminant Transport /3/3 (上)											
			水質分析 Water Quality Analysis /3/3(下)											
			區域海洋學 Regional Oceanography /3/3(下)											

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水陸  
海洋  
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		工程學術寫作與口頭報告 Academic Writing and Presentation in Engineering Studies /3/3(下)
		海洋環境資料處理 Marine Environmental Data Processing /3/3(下)
		危害評估 Risk Assessment /3/3(下)
		海洋生物技術特論 Marine Environmental Biotechnology /3/3(下)
		英文科技論文寫作 English Technical Papers writing /3/3(下)
		環境微量分析 Environmental Trace Analysis /3/3(下)
		有害廢棄物處理系統 Hazardous Waste Treatment System /3/3(下)
		環境工程化學 Environmental Engineering Chemistry /3/3(下)
		環境與生態 Environment and Ecology /3/3(下)

備註：

- 一、畢業總學分數為 38 學分。
- 二、必修 17 學分，選修 21 學分。
- 三、學生修讀所屬學院之「學院共同課程」應認列為本系專業課程學分；修讀所屬學院之「學院跨領域課程」或其他學院開課之課程，則認列為外系課程學分。
- 四、系所訂定條件：
  - (一)論文 6 學分 6 小時請擇一學期修完。
  - (二)承認外系學分(選修)6 學分，國際生不在此限。

Notes:

1. Minimum credit required to graduate: 38.
2. Required courses: 17 credits; elective courses: 21 credits.
3. Credits earned by students from the common courses offered by their respective colleges shall be accepted as their affiliated department's professional courses. However, credits earned from interdisciplinary courses offered either by their college or by other colleges will be accepted as credits earned from departments outside their own.
4. Departmental requirements
  - (1) Please complete the thesis in one semester with 6 credits and 6 hours.
  - (2) Six credits (elective) from external departments will be recognized, except for international students.

