

水產食品科學系所日間部研究所碩士班 114 學年度入學課程結構規劃表 114.05.13、114.10.14、114.11.25、115.04.13

2025 Curricula for the Master's Program in Department of Seafood Science

課程類別 Course Category			一年級 1 st Academic Year						二年級 2 nd Academic Year					
			第一學期 Semester 1			第二學期 Semester 2			第一學期 Semester 1			第二學期 Semester 2		
			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
專業 課程 Departmental Professional Courses	必修 Required	應修學 分數 14 學分 Credits Needed	專題討論(一) Special Topics (1)	2	2	專題討論(二) Special Topics (2)	2	2	專題討論(三) Special Topics (3)	2	2	專題討論(四) Special Topics (4)	2	2
									論文 Thesis	6	6	論文 Thesis	6	6
	選修 Elective	應修學 分數 16 學分 Credits Needed	課程名稱/學分數/時數											
			水產食品科學特論 Special Topic of Seafood Science		2/2	食品檢驗技術特論 Food Inspection Technology special lectures		2/2	新穎物理食品殺菌技術 Novel Physical Techiques to Inactivate Foodborne Pathogens		2/2	食品發酵技術專論 Special Topics in Food Fermentation Technology		3/3
			醣分子生物學 Glycobiology		2/2	保健食品開發與實務 Development of Health Food		2/2	食品日文 Food Japanese		2/2	新產品開發實務 New food development practice		3/3
			油脂化學特論 Special Topics of Lipid Chemistry		2/2	疾病與化學預防 Disease and chemoprevention		2/2	冷凍技術特論 Advanced Refrigeration Technology		2/2	AI 在食品科學上的應用 Application in Food Science		2/2
			食品香味學特論 Special Topics on Food Flavor Science		2/2	水產化學特論 Special issue of fishery science		2/2	食品風險評估 Risk assessment of food safety		2/2	蛋白質化學特論 Special Topics in Protein Chemistry		3/3
			酵素化學特論 Enzymatic chemistry		2/2	水產行銷管理特論 Special Topics on Market in Aquaculture		2/2	食品安全與中毒預防特論 Special topics in Food safety and food		2/2	科技研究實驗法 Research and Experimental Methods in Science and Technology		2/2
			水產生物技術特論 Special Topic of Aquatic Bio-technology		2/2	水產食品毒物學 Marine Food Toxicology		2/2	食品致病菌特論 Special Topics In Foodborne pathogen		2/2	食品科學特論 Special Topics in Food Science		2/2
			儀器分析及實驗 Instrumental Analysis and Laboratory		2/2	品管與研發實務 Quality control and R&D practice		2/2	食品加工特論 Special Topics on Food Processing		2/2	實驗動物實務 Laboratory animal Science		2/2
			食品冷凍冷藏學特論 Special Topics of Food Chilling and Freezing		2/2	食品包裝及商品學特論 Special Topic for Food Packaging and Commercialization		2/2	海洋天然物化學 Marine Natural Product Chemistry		2/2	食品發酵技術特論 Special Topics in Food Fermentation Technology		3/3
			水產廢棄物利用 Utilization of Aquatic By-product		2/2	食品安全與風險評估 Food Safety and Risk Assessment		2/2	食品毒物學特論 Special Topics of Food Toxicology		2/2	食品微生物學特論 Advanced food microbiology		2/2
			蛋白質化學特論 Special Topics in Protein Chemistry		2/2	食品奈米科技導論 Introduction to Food Nano-technology		2/2	食品化學特論 Advance in food chemistry		2/2	微生物研究法特論 Special Topics in Microbiology		2/2

系所簽章：

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		水產微生物特論 Special Topics in Aquatic Microbiology	2/2	新產品開發實務 New food development practice	2/2	實驗設計 Experiment Design	2/2	微生物鑑定技術 Microbial Identification Technology	2/2
		遺傳工程應用 Techniques in Genetic Engineering	2/2	機能食品特論 Food functionality	2/2	超高壓在食品上之應用 Super-pressure food research	2/2	細胞生物學 Cell Biology	2/2
		生物資訊應用 Bioinformation	2/2	新穎食品殺菌與保鮮技術 Novel Disinfection and Preservation Techniques for Food	2/2	英文論文寫作與發表 English thesis writing and presentation	2/2	食品抗菌技術與應用 Anti-microbial techniques and applications on food	3/3
		食品化學專論 Special Topic in Food Chemistry	3/3	生物製程技術 Bioprocess Technology	3/3				

備註：

- 一、必修 14 學分，選修 16 學分。
- 二、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。
- 三、系所訂定條件（學程、檢定、證照、承認外系學分及其他）：
 - (一)研究生選修本所以外之課程需與本所專業科目相關且為碩士以上等級者，經所長同意使得抵免選修課程學分。申請學分抵免，以一次為限，最多得抵免 4 學分。
 - (二)在學期間，論文只需選課一次，論文六學分一次修畢，通過學位考試方登錄成績。

Notes:

1. Minimum credit required to graduate: 30.
2. Required courses: 14 credits; elective courses: 16 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 (Ex: programs, certifications, licenses, recognition of external department credits and other requirements):
 - (1) Graduate students who take courses outside the Institute may apply for elective credit transfer, provided that the courses are relevant to the Institute's professional fields and are at the master's level or above, and have obtained approval from the Director of the Institute. Credit transfer may be applied for only once, with a maximum of 4 credits that may be transferred.
 - (2) During the period of study, the Thesis course is required to be registered only once. The six thesis credits must be completed in a single registration, and the grade will be recorded only after the student has passed the degree examination.



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日期：115. 9. 1