

110學年度 自然資源與環境學系碩士班國際組 課程規劃表
110 Academic year Curriculum planning table

一、最低畢業學分數(Minimum graduation credits) :

- 畢業學分(Graduation credits) : 27.0學分(credits)
- 專業必修(Professional Required) : 12.0學分(credits)
- 專業選修(Professional elective) : 15.0學分(credits)

二、重要相關規定(Important regulations) :

1.All students must fulfill the following requirements for graduation:

- (1) Each student must complete at least 27 credit hours of all-English-taught courses at the graduate level, including 12 compulsory and 15 elective credit hours. The details of course registration are described in points 2 and 3.
- (2) Each student must complete a thesis and meet the requirements for thesis submission set by National Dong Hwa University.
- (3) Each student must hold an oral defense for their thesis in front of a thesis committee with at least three members.
- (4) The maximum number of credits for each semester is 12 credits, Chinese Language Courses are not included.

2.Compulsory courses are described below:

- (1) Seminar courses (two credit hours each): Students should take seminar three times and are limited to one seminar course each semester.
- (2) The courses named NRESM0110 Seminar (I), NRESM0170 Seminar (II), and NRESM0230 Seminar (III) are the same courses as that named Seminar.
- (3) Independent Study (two credit hours each): After students have selected an advisor, they should take Independent Study three times and are limited to one Independent Study each semester.
- (4) The courses named NRESM0020 Directed Study (I), NRESM0060 Directed Study (II), NRESM0120 Thesis Research (I) and NRESM0180 Thesis Research (II) are the same courses as that named Independent Study.
- (5) Master Thesis: Students should take Master Thesis during their fourth semester.
- (6) Credits for the above courses are earned only for courses in which a grade of B- or higher is received.

3.Students should satisfy the requirements for elective courses with the following regulations:

- (1). Students must earn 9 credit hours from the elective courses offered as core courses in the NRES international program.
- (2). Students may take graduate-level, English-taught courses offered within or outside the NRES international program to satisfy the six remaining elective credit hours. However, each student must obtain approval from his/her advisor and the chairperson of the department prior to the inclusion of courses provided outside the College of Environmental Studies international programs as graduation requirement.
- (3). Credits for the above courses are earned only for courses in which a grade of B- or higher is received.

重要相關規定：

1.學生須滿足下列要求，始得畢業：

- (1).須修畢並通過27學分（必修12學分及選修15學分）以上之全英語授課，與碩、博士層級課程。修課相關規定請參閱第二點及第三點。
- (2).須完成論文與滿足國立東華大學對論文提交之各項規定。
- (3).須舉行論文口試，口試委員至少需3（含）人以上。
- (4).每學期修課學分上限為12（含）學分（華語課程不計）。

2.必修課程相關規定：

- (1).專題討論（每門課二學分）：學生須修習通過此課三次，且每學期只得上一專題討論課程。
- (2).原103學年度（含）前課規內之「NRESM0110專題討論(I)、NRESM0170專題討論(II)及NRESM0230專題討論(III)」課程等同於104學年度（含）以後課規內之「專題討論」課程。
- (3).獨立研究（每門課二學分）：學生選定指導教授後始得修習，並須修習通過此課三次，且每學期只得上一獨立研究課程。
- (4).原103學年度（含）前課規內之「NRESM0020引導研究(I)、NRESM0060引導研究(II)及NRESM0120論文研究(I)、NRESM0180論文研究(II)」課程等同於104學年度（含）以後課規內之「獨立研究」課程；惟等同採計後不足獨立研究6學分者，仍應加修獨立研究補足學分。
- (5).碩士論文：入學第四學期始得修習。
- (6).每門課成績要求為B-（含）以上。

3.選修課程相關規定：

- (1).須於自然資源與環境學系國際碩士班課程規劃選修課程內修滿9（含）學分以上。

- (2).修讀外院系、外校所開設之碩、博士層級，且全英語授課課程，經由學生指導教授及系主任於修課前同意，始得計入該生選修科目之畢業學分數內。
- (3).每門課成績要求為B- (含) 以上。

科目名稱 Course Title(Chinese)	英文科目名稱 Course Title(English)	科目代碼 Course Number	學分 Credit	*先修科目或#背景科目 *Prerequisite course or #Background course	備註 Remarks
專業必修(Required Courses)					
獨立研究	Independent Study	NRESM0330	2.0		Independent Study (two credit hours each): After students have selected an advisor, they should take Independent Study three times and are limited to one Independent Study each semester. 獨立研究 (每門課二學分) : 學生選定指導教授後始得修習，並須修習通過此課三次，且每學期只得上一獨立研究課程。
碩士論文	Master Thesis	NRESM0160	0.0		
專題討論	Seminar	NRESM0430	2.0		Seminar course (two credit hour each): Students should take seminar three times and are limited to one seminar course each semester. 專題討論 (每門課二學分) : 學生須修習通過此課三次，且每學期只得上一專題討論課程。
專業選修(Elective Courses)					
生態學專題	Special Topics on Ecology	NRESM0030	3.0		
地球科學專題	Special Topics in Earth Science	NRESM0240	3.0		
生態系生態學專題	Special Topics on Ecosystem Ecology	NRESM0070	3.0		
微生物科技	Microbial Biotechnology	NRES@0060	3.0		
環境治理專題	Special Topics on Environmental Governance	NRESM0300	3.0		
環境測量與監測	Environmental Measuring and Monitoring	NRESM0350	3.0		
社會 - 生態系統與傳統知識	Socio-Ecological Systems & Traditional Knowledge	NRESM0150	3.0		原科目名稱：社會 - 生態系統與當地 / 原住民知識 (Socio-Ecological Systems & Local-Traditional Knowledge)
全球視野之永續環境與發展專論	Sustainable Environment & Development: A Global Perspective	NRESM0080	3.0		
氣候變遷與永續發展專題	Climate Change and Sustainability	NRESM0260	3.0		
遙測與地理資訊系統	Remote Sensing and GIS	NRESM0130	3.0		
自然資源研究方法 (一)	Research Methods in Natural Resources (I)	NRESM0000	3.0		
自然資源研究方法 (二)	Research Methods in Natural Resources (II)	NRESM0190	3.0		
科學論文結構	Structure of Scientific Papers	NRESM0210	3.0		
文獻探討	Literature Review	NRESM0270	3.0		
環境科學研究計畫寫作	Research Proposal Writing in	NRESM0050	3.0		

	Environmental Sciences				
科學寫作	Scientific Writing	NRESM0200	3.0		
統計學緒論	Introduction to Statistics	NRESM0040	3.0		
科學方法	Scientific Method	NRESM0310	3.0		
自然資源與環境實習	Internship of Natural Resources and Environmental Studies	NRESM0360	1.0		
熱帶生態學	Tropical Ecology	NRESM0370	4.0		
保護區與社區參與	Protected Areas and Community Participation	NRESM0380	3.0		
人類生態系統-- 架構與應用	Human Ecosystem— Framework and Application	HASSM0370	3.0		臺灣文化學系亞太區域研究組課程
地球科學資料處理	Computer Methods and Data Analysis in Earth Science	NRESM0390	3.0		
沉積體系	Sedimentology	NRESM0400	3.0		
全球衛星定位系統與地表作用專題	Special Topics of GPS and Earth Surface Processes	NRESM0410	3.0		
雷達遙測與地表變形	Radar Interferometry and Surface Deformation	NRESM0420	3.0		
地質學野外專題	Special Topics of Field Studies in Geology	NRESM0340	3.0		原科目名稱「環境地質學野外專題」
環境管理專題	Special Topics on Environmental Management	NRES@0070	3.0		
應用統計分析方法	Applied Statistic analysis	NRESM0440	3.0		

業務單位：教務處課務組
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