

Course Requirements of the International Graduate Program in the Department of Natural Resources and Environmental Studies (hereafter “the NRES international program”), National Dong Hwa University

Academic year 108

Compulsory Courses

Course code	Course Name	Credit	Course code	Course Name	Credit
NRESM0320	Seminar*	3	NRESM0330	Independent Study**	6
NRESM0160	Master Thesis	0			

*Seminar course (one credit hour each): Students should take seminar three times and are limited to one seminar course each semester.

**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.

Elective Courses

Course code	Course Name	Credit	Course code	Course Name	Credit
NRESM0030	Special Topics on Ecology	3	NRESM0240	Special Topics in Earth Science	3
NRESM0070	Special Topics on Ecosystem Ecology	3	NRES@0100	Microbial Biotechnology	3
NRESM0370	Tropical Ecology	4	NRESM0340	Special Topics of Field Studies in Geology	3
NRESM0130	Remote Sensing and GIS	3	NRESM0390	Computer Methods and Data Analysis in Earth Sciences	3
NRESM0400	Sedimentology	3	NRESM0410	Special Topics of GPS and Earth Surface Processes	3
NRESM0420	Radar Interferometry and Surface Deformation	3	NRESM0300	Special Topics on Environmental Governance	3
NRESM0350	Environmental Measuring and Monitoring	3	NRESM0150	Socio-Ecological Systems & Traditional Knowledge	3
NRESM0080	Sustainable Environment & Development: A Global Perspective	3	NRESM0260	Climate Change and Sustainability	3
NRESM0380	Protected Areas and Community Participation	3	HASSM0370	Human Ecosystem - Framework and Application	3
NRESM0000	Research Methods in Natural Resources (I)	3	NRESM0190	Research Methods in Natural Resources (II)	3
NRESM0210	Structure of Scientific Papers	3	NRESM0270	Literature Review	3
NRESM0050	Research Proposal Writing in Environmental Sciences	3	NRESM0200	Scientific Writing	3
NRESM0040	Introduction to Statistics	3	NRESM0310	Scientific Method	3
NRESM0360	Internship of Natural Resources and Environmental Studies	1			

1. All students must fulfill the following requirements for graduation:
 - (1) Each student must complete at least 24 credit hours of all-English-taught courses at the graduate level, including 9 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 (one credit hour 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. For the students who took the above courses three times but the credit hours are less than 6, they should take Independent Study to fulfill the credit hours requirement.
 - (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.

自然資源與環境學系碩士班國際組課程規劃

108 學年度適用

必修

科目代碼	課程名稱	學分數	科目代碼	課程名稱	學分數
NRESM0320	專題討論*	3	NRESM0330	獨立研究**	6
NRESM0160	碩士論文	0			

*專題討論 (每門課一學分): 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。

**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。

選修

科目代碼	課程名稱	學分數	科目代碼	課程名稱	學分數
NRESM0030	生態學專題	3	NRESM0240	地球科學專題	3
NRESM0070	生態系生態學專題	3	NRES@0100	微生物科技	3
NRESM0370	熱帶生態學	4	NRESM0340	地質學野外專題	3
NRESM0130	遙測與地理資訊系統	3	NRESM0390	地球科學資料處理	3
NRESM0400	沉積體系	3	NRESM0410	全球衛星定位系統與地表作用 專題	3
NRESM0420	雷達遙測與地表變形	3	NRESM0300	環境治理專題	3
NRESM0350	環境測量與監測	3	NRESM0150	社會 - 生態系統與傳統知識	3
NRESM0080	全球視野之永續環境與發展 專論	3	NRESM0260	氣候變遷與永續發展專題	3
NRESM0380	保護區和社區參與	3	HASSM0370	人類生態系統-架構與應用	3
NRESM0000	自然資源研究方法 (一)	3	NRESM0190	自然資源研究方法 (二)	3
NRESM0210	環境科學研究計畫寫作	3	NRESM0270	文獻探討	3
NRESM0050	科學論文結構	3	NRESM0200	科學寫作	3
NRESM0040	統計學緒論	3	NRESM0310	科學方法	3
NRESM0360	自然資源與環境實習	1			

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 24 學分 (必修 9 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 (每門課一學分) : 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碩士班國際組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。