

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 106

Compulsory Courses

Course Name	Credit	Course Name	Credit
Seminar*	3	Independent Study**	6
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 Name	Credit	Course Name	Credit
Special Topics on Ecology	3	Special Topics in Earth Science	3
Introduction to Biogeography	3	Biodiversity and Conservation	3
Special Topics on Ecosystem Ecology	3	Microbial Biotechnology	3
Special Topics on Environmental Governance	3	Environmental Measuring and Monitoring	3
Socio-Ecological Systems & Traditional Knowledge	3	Socio-Ecological Systems Stewardship and Protected Area Management	3
Sustainable Environment & Development: A Global Perspective	3	Climate Change and Sustainability	3
Wildlife Ecology, Conservation and Management	3	Readings in Human Dimensions of Wildlife Conservation	3
Special Topics of Field Studies in Environmental Geology	3	Remote Sensing and GIS	3
Research Methods in Natural Resources (I)	3	Research Methods in Natural Resources (II)	3
Structure of Scientific Papers	3	Literature Review	3
Research Proposal Writing in Environmental Sciences	3	Scientific Writing	3
Introduction to Statistics	3	Scientific Method	3
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

106 學年度適用

必修

課程名稱	學分數	課程名稱	學分數
專題討論*	3	獨立研究**	6
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

課程名稱	學分數	課程名稱	學分數
生態學專題	3	地球科學專題	3
生物地理學概論	3	生物多樣性與保育	3
生態系生態學專題	3	微生物科技	3
環境治理專題	3	環境測量與監測	3
社會 - 生態系統與傳統知識	3	社會 - 生態系統治理與保護區管理	3
全球視野之永續環境與發展專論	3	氣候變遷與永續發展專題	3
野生動物生態、保育與經營管理	3	野生動物保育人文學導讀	3
環境地質學野外專題	3	遙測與地理資訊系統	3
自然資源研究方法 (一)	3	自然資源研究方法 (二)	3
環境科學研究計畫寫作	3	文獻探討	3
科學論文結構	3	科學寫作	3
統計學緒論	3	科學方法	3
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。