

國立東華大學環境學院

106 學年度第 1 學期 第 1 次院系聯合課程暨學程委員會 會議記錄

開會時間：106 年 09 月 25 日(星期一)，中午 12：00 時

地點：環境學院小會議室(環 A205 室)

主持人：黃文彬主任

記錄：夏懿心助理

出席：蘇銘千國際事務委員、楊懿如學群教師代表、李俊鴻學群教師代表、吳海音教師代表、
陳毓昫教師代表、賴敬文學生代表、陳怡靜學生代表

請假：裴家騏院長、張文彥學群教師代表、楊悠娟學群教師代表

壹、報告事項：

貳、討論提案：

提案單位：系辦公室；業務承辦：夏懿心助理

提案一：本系 106 學年度第 1 學期課程異動追認案，提請 討論。

說明：因博士班學生論文研究所需，增開「獨立研究(一)」及「研究方法特論」。

決議：照案通過。

提案單位：系辦公室；業務承辦：夏懿心助理

提案二：本系 106 學年度第 1 學期協助教學助學金(TA)分配案，提請 討論。

說明：1. 依本院「研究生協助教學助學金作業要點」規定，各科目之排序如附件一。

2. 本學期共 13 門課提出申請，TA 需求人數 13 人，學校分配、RA 預計流用金額合計約 266,897 元；105 學年度第 1 學期聘任 TA 人數 15 人，總計核發金額 235,410 元。

決議：按課程排序依次發放 TA 薪資，選課人數 40 人以下每月 4000 元；41~60 人每月 5000 元；61 人以上每月 6000 元，81 人以上可選拆成 2 位 TA 計算，電腦操作比例高之課程可額外考量。

提案單位：系辦公室；業務承辦：夏懿心助理

提案三：臺灣文化學系學生修習本系為輔系，擬申請課程抵免案，提請 討論。

說明：1. 依規定，學生若修習本系為輔系，需修滿本系系核心學程共 21 學分。

2. 臺灣文化學系學生劉○儒因修習本系為輔系，擬申請以臺灣文化學系課程「自然地理學概論」抵免本系系核心學程課程「自然地理學」。

3. 臺灣文化學系「自然地理學概論」課綱如附件二。

4. 經詢問本系開課教師(張有和老師、林祥偉老師)意見後，兩位老師皆同意抵免。

決議：照案通過。

提案單位：系辦公室；業務承辦：夏懿心助理

提案四：本系碩博士班修業要點修正案，提請 討論。

說明：1. 擬取消學生申請學分抵免之上限。

2. 本系碩博士班修業要點修正條文對照表及修業要點全文如附件三。

決議：修正後通過如附件，並送院務會議審議。

參、臨時動議：

提案一：本系碩博士班專題討論課全院時間之週次安排案，提請 討論。

說 明：建議於上一學期末就確定次一學期之各組專討負責老師及安排演講之時間。

決 議：碩博士班專題討論課每學年第 1 學期第 1 週固定為全院及各學群說明時間，勿排演講，最後 4 週(第 15~18 週)為安排博士班學生向全院報告時間。

106學年度第1學
期TA申請分配

級別	科目名稱	任課教師	備註(每週工作時數)	TA需求	105-1 每月金額	工作項目	課程性質	初選 選課 人數	總 分	排 序
學一	社會科學概論	顧瑜君 戴興盛	5小時	1人	6000	課程將學生分成8-10組，分組課後的作業與討論佔很大比例，須協助帶領討論	實務操作型 (4分)	70人 (4分)	8	1
學二	地理資訊系統概論	林祥偉	6小時	1人	6000	1. 學期間利用院電腦教室，每周額外安排課後3小時，協助熟練課堂間教導的GIS程式與課後實作輔導。 2. 課堂中即時協助解決系統或電腦設備問題，同時協助老師引導操作上趕不上進度的同學。 3. 準備上課教材、協助學生實務操作、開關教室、批改作業、登記成績	實務操作型 (4分)	50人 (3分)	7	2
學一	環境科學概論	蘇銘千 吳海音	16小時	2人	每人 5000	(1)協助上課教材設備準備(2)協助課業輔導及個別課業輔導(3)協助帶領每週分組報告與討論(4)e-learning網頁資料更新討論區的彙整(5)作業、小考考卷協助部分審閱(6)成績登錄(環科大考三次、小考5次)(7)戶外教學協助	講授討論為主， 田野實習為輔 (2分)	80人 (4分)	6	3
學二	自然地理學	張有和 林祥偉	4小時	1人	5000	1.在每週正常3小時授課時間以外，於學期間安排一次兩天一夜16小時的野外實察，事前保險、租車、住宿、吃飯、遊覽車路線等行程安排；並協助安全與秩序維護工作。 2. 後9週均為實務操作課，於課程進行間，協助老師確保每位同學均能跟上課程進度。 3. 準備上課教材、協助學生實務操作、開關教室、批改作業、登記成績	整學期三分之一 以上為田野實習 (3分)	43人 (3分)	6	4
學三	社會科學研究法	李俊鴻 李光中	5小時	1人	5000	1.協助社會科學研究法教材整理；2.協助進行協同教學；3.協助課程進行分組討論，共需要進行8次；4.協助進行作業與報告批閱與修改；5.協助課後教導大學生撰寫報告。	講授討論為主， 田野實習為輔 (2分)	42人 (3分)	5	5
學四	保育生物學	吳海音 許育誠	4小時	1人	4000	協助架設器材、分組討論及協助田野實察	講授討論為主， 田野實習為輔 (2分)	60人 (3分)	5	6

學三	環境教育	許世璋	8小時	1人	4000	教學器材準備、幫助教師製作教學ppt、上課紀錄學生出席與學習狀況(課後以e-mail或電話關懷學習成效不佳者或無故缺席者)、座談者聯繫與接送、上課時引導學生分組討論、合歡山戶外教學住宿保險與租車聯繫、籌組合歡山戶外教學緊急事件工作小組、準備遊覽車司機餐點、池南自然教育中心戶外教學公文與聯繫、課後提供學生相關學習資料。(16小時合歡山戶外教學+ 4小時池南自然教育中心戶外教學)	整學期三分之一以上為田野實習(3分)	33人(2分)	5	7
學二	普通地質學	劉瑩三	5小時	1人	4000	協助架設器材、分組討論及協助田野實察	整學期三分之一以上為田野實習(3分)	26人(2分)	5	8
學二	統計學	陳毓昀	8小時	1人	4000	協助課前準備及實驗引導、上機時的操作指導、作業批改、協助課後討論	實務操作型(4分)	18人(1分)	5	9
學三	淡水生態學	黃國靖	6小時	1人	4000	協助調查採樣及器材準備、閱讀討論	講授討論為主，田野實習為輔(2分)	40人(2分)	4	10
學三	地形學	顏君毅	5小時	1人	4000	室內課程相關事宜，例如多媒體架設、監考及考卷批改、學生報告收發、帶小組討論等。室外實務操作課程為測量儀器實習課程，使用儀器為E-GPS、Total Station，TA需協助的實習課程內容包含測量儀器教學、協助學生分組校內測量實作、測量資料解算等實習工作。	整學期三分之一以上為田野實習(3分)	14人(1分)	4	11
學二	環境化學	楊悠娟	5小時	1人	4000	協助課堂小組討論、課堂示範實驗準備、校外教學籌備、作業/考試批改、成績登錄、資料處理等	講授討論為主，田野實習為輔(2分)	17人(1分)	3	12
學三	岩石學	蔡金河	5小時	1人	4000	岩石教學標本整理維護、野外地質實察安排準備聯絡事宜、協助報告與考卷批改工作、教學網頁維護、課堂教學準備、課餘時間回答學生疑問等。	講授討論為主，田野實習為輔(2分)	13人(1分)	3	13

教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	自然地理學概論		學年/學期 Academic Year/Semester	106/1	
課程名稱(英文) Course Name in English	Introduction to Physical Geography				
科目代碼 Course Code	TS_10300	系級 Department & Year	學一	開課單位 Course-Offering Department	臺灣文化學系
修別 Type	學程 Program	學分數/時間 Credit(s)/Hour(s)	3.0/3.0		
授課教師 Instructor	/郭俊麟/林祥偉				
先修課程 Prerequisite					
課程描述 Course Description					
<p>自然地理學與人文地理學同為地理學兩大分支領域，自然地理學注重於研究自然環境的形式和活動；對建成環境的研究則歸屬於人文地理學的範疇。在自然地理的研究，主要針對岩石圈、大氣圈、水圈、生物圈等進行探索，主題包括地質、地形、氣候、水文、土壤、植被等自然現況的空間分布和區域特性，並觀察人類活動與自然環境交互作用下的影響。</p> <p>本課程為的設計主要有三個部分；首先是基礎知識的學習，藉由原文書教材導讀引導同學認識自然地理學的基本概念；其次是台灣自然地理景觀的導讀，讓學理與實務相印證；最後則是自然地理調查方法的學習，包含地形圖的野外判讀、照片定位、GPS軌跡紀錄、空拍機與防災製圖等方法。學期間另安排一週末進行野外考察，以東台灣的海岸、峽谷地形作為考察重點。</p>					
課程目標 Course Objectives					
<p>主要包含自然地理學(Physical Geography)與人文地理(Human Geography)兩大領域，前者主要研究地質、地形、氣候、土壤、和植被等自然現象的空間分布；後者則是探討人口、文化、政治、經濟、都市等人類活動的空間分布和區域特性，以及人類活動與自然環境的交互作用和影響。</p>					
系專業能力 Basic Learning Outcomes				課程目標與系專業能力相關性 Correlation between Course Objectives and Dept.'s Education Objectives	
A	具備『臺灣學』與『區域研究』的基本知識。Fundamental Knowledge of "Taiwan Studies" and "Regional Studies".			●	
B	具備基礎田野調查與文獻材料使用能力。Fundamental Capability of Field Study and Documentary Research.			●	
C	運用數位人文技術從事跨領域應用。Introducing Digital Humanities Techniques into Interdisciplinary Application.			○	
圖示說明 Illustration : ● 高度相關 Highly correlated ○ 中度相關 Moderately correlated					
授課進度表 Teaching Schedule & Content					
週次 Week	內容 Subject/Topics			備註 Remarks	
1	9/21 課程介紹 (教學方式、教科書指定、野外考察說明)			郭俊麟老師授課	
2	9/28 ch1 intro/地理學導論 分組活動			郭俊麟老師授課	
3	10/5 ch2 intro/自然地理學的研究主題 實作與討論:及哈拉艾文化景觀			郭俊麟老師授課	

4	10/12 ch2 maps/地圖原理與應用 實作與討論:經建地形圖野外判讀	郭俊麟老師授課
5	10/19 ch2 maps/地理學者的工具箱:地圖 實作與討論:國土資訊系統的基本運用	郭俊麟老師授課
6	10/26 ch3 landforms/ 大地構造與內營力作用 實作與討論:發現台灣大地奧秘(1)山起山落蓬萊島	郭俊麟老師授課
7	11/2 ch3 landforms/ 地表外營力的風化、侵蝕 實作與討論:發現台灣大地奧秘(2)臺灣岩石的秘密	郭俊麟老師授課
8	11/9 Google照片定位與田野準備工作 實作與討論:七星潭海岸與親水斷崖地景導讀	郭俊麟老師授課
9	期中考試週 Midterm Exam (英文出題; openbook答題)	郭俊麟老師出題、評分
10	11/23 全校運動會放假	
11	11/30 本週授課日前後一週的週末將進行田野實察, 授課時間停課	兩位老師共同帶隊進行野外實察(單日來回)
12	12/7 ch4 Weather and Climate/全球尺度的氣候資料分析	林祥偉老師授課
13	12/14 ch4 Weather and Climate/區域尺度的劇烈天氣分析(時雨圖與水文歷線)	林祥偉老師授課
14	12/21 ch5 geography of natural Resources/地形地貌的區劃	林祥偉老師授課
15	12/28 ch5 geography of natural Resources/ GPS的應用	林祥偉老師授課
16	1/4 時間地圖的製作	林祥偉老師授課
17	1/11 UAV 無人載具攝影與防災地圖	林祥偉老師授課
18	期末考試週 Final Exam	林祥偉老師出題、評分

教學策略 Teaching Strategies

- 課堂講授 Lecture
 分組討論 Group Discussion
 參觀實習 Field Trip
 其他 Miscellaneous: 野外考察

學期成績計算及多元評量方式 Grading & Assessments

配分項目 Items	配分比例 Percentage	多元評量方式 Assessments							
		測驗 會考	實作 觀察	口頭 發表	專題 研究	創作 展演	卷宗 評量	證照 檢定	其他
平時成績 General Performance	20%								
期中考成績 Midterm Exam	30%								
期末考成績 Final Exam	30%								
作業成績 Homework and/or Assignments									
其他 Miscellaneous (小組實察報告)	20%								

評量方式補充說明

Grading & Assessments Supplemental instructions

期中考成績(30%)、上半學期平時成績(作業+出席)(10%)、小組實察報告(20%)由郭俊麟老師評分;
 期末考成績(30%)、下半學期平時成績(作業+出席)(10%)由林祥偉老師評分。

教科書與參考書目 (書名、作者、書局、代理商、說明)
Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)

1. Introduction to Geography 13th (thirteenth) edition Paperback - 2010 by Arthur Getis (Author) 高立圖書代理。第一次上課時可跟TA登記訂購，原文新書全彩500頁，團購價900元。本教材也是106_2人文地理學指定教科書。(臺灣文化學系同學也可考慮跟上一屆學長姐購買二手原文書)
2. 其他自編教材、講義將由TA印給同學。

課程教材網址 (教師個人網址請列在本校內之網址)
Teaching Aids & Teacher's Website (Personal website can be listed here.)

東華E學苑

其他補充說明 (Supplemental instructions)

1. 無故缺課三次以上，學期成績將以0分計算。
2. 每週請留意東華E學苑線上教學網站之訊息。
3. 請假請以Email或電話通知該週授課老師或教學TA，非緊急情況請避免由同學代為請假或委託聯繫。

12/2 (六)進行聯合田野實察

自資、台灣系自然地理聯合野外實察計畫

1. 時間：12/2星期六
2. 作業：實習作業以組為繳交單位，每組4-5人，於下周上課前繳交到東華E學苑，每組上傳一份即可。野外實察後兩週內繳交報告，每個實察點之相片與文字紀錄。
3. 繳費：早午餐自理，遊覽車與保險費、資料影印費用，每人約300元。
4. 考量安全的緣故，請班代於選課確認後一周內，協助提供保險名單(含姓名、學號、身分證字號、戶籍地址、緊急聯絡人、電話)，請助教填寫課外活動申請表報備，辦理團體保險。保險費大約18塊。

5. 行程

- (1) 8:00 東華大學系館前集合出發，註1
- (2) 9:30-10:30 清水斷崖，註2
- (3) 12:00-1:30 花蓮市區午餐，註3
- (4) 2:00-2:40 七星潭，註4
- (5) 3:10-3:50 美崙溪口與南濱海岸，註5
- (6) 4:10-4:50 花蓮溪口巔頂，註6
- (7) 5:30 東華大學解散

註1，台灣系和自資系在各自的系館集合，同一時間從正門出發，三個老師和助教一人負責一部車的安全和聯繫。

註2，遊覽車在太魯閣國家公園北界暫時放下學生，車子往前開到和仁車站停放，等我們結束call司機回頭載我們起來。帶學生往下走到海邊，預計1-1.5個小時。

註3，停在時來運轉，讓學生自己去用餐

註4，停在七星潭北側靠機場的公園，有較佳的視界可以看到米崙斷層，或是考慮再開到富貴角燈塔

註5，停在南濱公園，看海岸的沖蝕與堆積

註6，停鹽寮和南寺，學生們從台11甲12.5公里處走一小段產業道路，看一下大範圍的沉積地形和年輕的礫石層。

國立東華大學自然資源與環境學系碩士班修業要點 部分條文修正對照表

修正條文	現行條文	說明
<p>五、(三)學分抵免依下列方式審核：修習本校或他校碩士班以上相關課程(修習成績達70分以上)且未計入其畢業學分數者，經指導教授同意，得申請抵免學分，申請以一次為限。</p>	<p>五、(三)學分抵免依下列方式審核：</p> <p>1. 未列入大學畢業學分之本碩士班課程達B級分或70分以上，且未超過抵免學分上限者，皆可申請抵免。</p> <p>2. 申請抵免學分以12學分為限，其中本校其他院系研究所及外校研究所選修學分以6學分為限。</p> <p>3. 逕行修讀碩士學位學生之學分抵免不受上述12學分之限制，惟其學分數若列入大學部畢業學分，則不得重複計入碩士班畢業學分數。</p>	<p>取消學分抵免上限。</p>



國立東華大學自然資源與環境學系碩士班修業要點（修訂後全文）

Student Academic Regulations

Master Program

Department of Natural Resources and Environmental Studies,

National Dong Hwa University

98.09.2898學年度第1學期環境學院第1次院務會議通過
99.01.06 98學年度第1學期第2次教務會議通過
99.11.15 99學年第1學期環境學院第1次院務會議修正通過
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102.04.01 101學年度第2學期環境學院第1次院務會議修正通過
102.05.27101學年度第2學期環境學院第2次院務會議修正通過
102.06.05101學年度第2學期教務會議修正通過
103.05.26102學年度第2學期環境學院課程規劃委員會修正通過
103.09.29 103學年度第1學期環境學院行政暨課程規劃委員會修正通過
103.11.10103學年度第1學期環境學院第1次院務會議修正通過
103.12.17103學年度第1學期第3次教務會議修正通過
104.01.12103學年度第1學期環境學院第2次院務會議修正通過
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105.01.04 104學年度第1學期第2次院務會議修正通過

一、國立東華大學自然資源與環境學系碩士班（以下簡稱本碩士班）為規範碩士班研究生修業事項，依據本校學則、學位授予辦法及相關規定，特訂定本修業要點。

1. The Department of Natural Resources and Environmental Studies (NRES hereafter) at National Dong Hwa University herein specifies the academic regulations for its master program in accordance with the regulations and relevant guidelines for awarding of a degree from this university. Academic regulations listed below apply to all master's students in the NRES.

二、入學資格：

2. Enrollment:

（一）公立或立案之私立大學或獨立學院或經教育部認可之外國大學各學系畢業具有學士學位，或應屆畢業或具有同等學歷之資格，經本校碩士班研究生入學考試通過者（含甄試），得進入本碩士班修讀碩士學位。

2.1. Students holding a bachelor degree from a local or foreign university or college or holding a bachelor-equivalent diploma recognized by the Ministry of Education, R.O.C., and passing the entrance examination of the master program may enroll in the master program

（二）符合教育部訂定之「外國學生來華留學辦法」、「外國學生來臺就學辦法」，及「國立東華大學外國學生入學辦法」修讀碩士學位者，得進入本碩士班修讀碩士學位。

2.2. Foreign students meeting requirements of the “MOE Regulations Regarding International Students Undertaking Studies in Taiwan” by the Ministry of Education, R.O.C., and “Admission Guidelines for Foreign Students” by National Dong Hwa University may enroll in the master program.

（三）申請轉系所組學生，依本校「學生轉系（所）辦法」之規定辦理。

2.3. Transfer students meeting the requirements of “Transfer Regulations” by the National Dong Hwa University may enroll in the master program.

（四）新生因重病、懷孕、生產、哺育三歲以下幼兒或接獲兵役單位征集令，不能按時入學者經檢具有關證明於註冊前申述理由，向本校申請保留入學資格並獲准者，得延後進入本碩士班修讀本碩士學位。

2.4 New students with serious illnesses, pregnancy, maternity leave, caring for a child under 3 years-old or a receipt of draft order for military service may file an application to postpone enrollment in the doctoral program. Before registration, relevant documents should be submitted to retain enrollment qualification during postponement.

三、修業年限：碩士班一般生修業以1至4學年為限，但在職研究生，得延長其修業年限2學年。

3. Years of enrollment:

Full-time students may enroll in the master program for at least one but no more than four academic years before receiving the master degree. Part-time students may apply for an extension of two academic years if necessary.

四、 修業規劃：本碩士班提供研究型及實用型兩種修業規劃，前者著重研究能力的養成，後者以專業訓練為主。本碩士班最低畢業學分數詳如課程規劃表。

4. Course requirements:

Course requirements vary with student choice of writing a research thesis or a technical report. A research thesis focuses on enhancing research ability. A technical report focuses on specialty training. The master program requires students to complete the minimum credit hours mentioned in “Course Requirements” before obtaining the master degree.

五、 學分抵免：

5. Exemption of credits:

(一) 本碩士班研究生在入學前曾修過相關課程之學分，抵免學分之資格依「國立東華大學辦理學生抵免學分辦法」辦理。

5.1. According to the “National Dong Hwa University policy for substitution of credits”, students in the master program may apply to be exempt from credits of related courses completed before enrollment.

(二) 申請抵免學分應於取得學分後次學期（新生為入學後第1學期）選課加退選截止1週前提出，並經環境學院課程規劃委員會審核。

5.2. With the approval of the Council of Academic Affairs of the College of Environmental studies, students may apply to substitute credits in the semester following the course in which the credits were completed. This application should be made before the add/withdrawal dead line of the following semester. Students in their first semester of enrollment have the entire semester to make this application.

(三) 學分抵免依下列方式審核：

5.3. Criteria for credit exemption:

修習本校或他校碩士班以上相關課程（修習成績達70分以上）且未計入其畢業學分數者，經指導教授同意，得申請抵免學分，申請以一次為限。

(四) 申請抵免學分時須繳交下列各項資料：1.申請表，2.未列入大學畢業學分證明，3.成績單。

5.4. Applicants shall submit an Application Form for Credit Exemption as well as an original copy of transcript when applying for credit exemption.

六、 指導教授之選定：

6. Thesis advising:

(一) 碩士生應於入學後1學期內，提出指導教授同意書，送系、院核備。

6.1. Students in the master program must identify a thesis advisor before the end of the first semester of enrollment. Students should submit the Agreement as Thesis Advisor form with the advisor’s signature to the College and Department Office.

(二) 碩士生指導教授以本系專任助理教授以上教師擔任為原則，特殊狀況須以書面向環境學院課程規劃委員會提出申請，經審查通過後方得邀請系外教師擔任指導教授。

6.2. In principle, a thesis advisor should be at least a full-time assistant professor in the department. Exceptions may be made with the approval of the Council of Academic Affairs of the College of Environmental Studies if necessary to invite a thesis advisor from outside the department.

(三) 碩士生變更指導教授，需提出書面申請，經原指導教授、新指導教授及系主任同意後始得變更。

6.3. Students wishing to change thesis advisors must file an application and obtain approval of original thesis advisor, new thesis advisor and chairperson of the NRES master program.

七、 碩士學位考試：

7. Master thesis examination:

(一) 學位考試以口試行之，並應依下列規定辦理：

7.1. A master thesis examination should take the form of an oral defense. Students completing the following

requirements may schedule their master thesis defense.

1. 口試以公開舉行為原則，須於事前公佈口試時間、地點及題目。

7.1.1. The master thesis defense shall be held in public. The time, location, and master thesis topic shall be announced prior to the defense.

2. 學位考試委員應親自出席學位口試，不得委託他人為代表，碩士學位考試委員會至少應有委員三人出席，始得舉行。

7.1.2. The Examination Committee must be present and shall not be replaced by another person. The Examination Committee must contain at least three examiners.

3. 修業規劃之碩士生的學位考試，採個別辦理；實用型修業規劃之碩士生的學位考試，於每學期期末統一辦理。

7.1.3. Date of the thesis defense for a research thesis may be scheduled individually. Date of the defense for technical report should be scheduled at the end of the semester with other defenses of technical reports.

4. 學位考試成績，以70 (B-) 分為及格，100 (A+) 為滿分，評定以1次為限，並以出席委員評定分數平均決定之，但碩士學位考試有二分之一以上出席委員評定不及格者，以不及格論，不予平均。

7.1.4. Score for the master thesis defense is determined by averaging scores from Examiners attending the defense. An average score of at least 70 (B-) when no more than half of the committee grants a score lower than 70 is required to pass the examination. The possible full score for a thesis defense is 100 points (A+).

5. 已申請學位考試之研究生，若因故無法於該學期內完成學位考試，應於學校行事曆規定學期結束日之前報請學校撤銷該學期學位考試之申請。逾期未撤銷者，以1次不及格論。

7.1.5. Students may withdraw the application for thesis defense before the end of the semester. Failure to withdraw by the deadline will be recorded as failure of the thesis defense.

6. 論文有抄襲或舞弊情事，經學位考試委員會審查確定者，以不及格論，並送本校學生獎懲委員會處。

7.1.6. Any instance of plagiarism or unethical conduct on a master thesis, as evaluated and confirmed by the Examination Committee, will lead to a non-passing grade for the thesis. The case shall then be sent to the disciplinary committee of the university.

7. 學位考試不通過，而其修業年限尚未屆滿者，得於次學期或次學年申請重考，重考以1次為限，重考不及格者，即令退學。

7.1.7. Any student failing the first master thesis defense before the year limit of enrollment may apply to retake the master thesis defense in the following academic semester or the following academic year. Any student failing the second thesis defense shall be dismissed from the program.

(二) 碩士生需於每學期學位考試申請系統截止日前上網提出口試申請，並檢附通過「學術研究倫理課程」之成績證明。

7.2. Students in the master program shall apply for oral defense before the defense application deadline of that semester (scheduled by NDHU). Application is via the online system. The application is not complete until the NRES office receives a certificate of research ethics education or transcripts from approved ethics-related courses.

(三) 碩士學位考試委員三至五人，校外委員須佔三分之一（含）以上，由委員互推一位為召集人，但指導教授不得擔任召集人。採研究型修業規劃者之考試委員由指導教授推薦，採實用型修業規劃者之考試委員由院行政會議自指導教授提出之推薦名單中圈選，由系、院提請校長遴聘之。碩士班研究生之配偶或三親等內之血親、姻親，不得擔任其碩士學位考試委員。

7.3. The Examination Committee for the master thesis defense shall consist of three to five examiners with at least one-third of the examiners from off-campus. The Examination Committee members should elect a chair through mutual consent. A student's advisor must not serve as chair. Committee members for students of research theses are chosen based on recommendations of student's advisor. Examination committees for students of technical reports are selected by the Administrative Council of the College of Environmental Studies from the list of recommendations, provided by thesis advisors. In the latter case, examiners shall be nominated by the head of the department and invited by the president of the university. A student's spouse, blood relatives, or in-laws within three degrees of relationship may not serve in any capacity on the Examining Committee.

(四) 碩士學位考試委員，除對研究生所提研究主題有專門研究者外，並應具有下列資格之一：

7.4. Members of the examination committee should be experts in the student's field of research and meet

the following requirements:

1. 曾任教授、副教授者。

7.4.1. Full professor or associate professor in a university.

2. 擔任中央研究院院士或曾任中央研究院研究員、副研究員者。

7.4.2. Member of the Academia Sinica: full research fellow or associate research fellow of The Academia Sinica.

3. 獲有博士學位，在學術上著有成就者。

7.4.3. Professional holding a doctorate degree and having distinct accomplishments in the Field of study.

4. 屬於稀少性或特殊性學科，在學術上或專業上著有成就者。

7.4.4. Professional with distinct accomplishments in a special field of study.

前項第三款及第四款之提聘資格認定標準，由系主任、院長認定之。

Approval of examiners meeting requirements 7.4.3., or 7.4.4. should be determined by the dean of the College of Environmental Studies and the chairperson of the NRES program.

八、本校對已授予之碩士學位，如發現有抄襲或舞弊情事，經調查屬實者，則撤銷其學位，追繳其已發之學位證書。

8. Substantiation of any instance of plagiarism or fraud in the submitted thesis will result in revoking the degree and reclaiming the diploma.

九、其他未盡之事宜，悉依教育部有關法令、本校學則及規章辦法辦理。

9. Any matters regarding master degrees not listed herein shall be implemented in accordance with relevant regulations of Ministry of Education, academic regulations, and relevant regulations of the university.

十、本要點經本院「院務會議」通過後公告實施並報「教務會議」備查，修正時亦同。

10. These regulations are in effect upon approval by the Council of College Affairs of the College of Environmental Studies and review by the Council for Academic Affairs of National Dong Hwa University.

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國立東華大學自然資源與環境學系碩士班修業要點(修訂前全文)

Student Academic Regulations

Master Program

Department of Natural Resources and Environmental Studies,

National Dong Hwa University

98.09.2898學年度第1學期環境學院第1次院務會議通過
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一、 國立東華大學自然資源與環境學系碩士班（以下簡稱本碩士班）為規範碩士班研究生修業事項，依據本校學則、學位授予辦法及相關規定，特訂定本修業要點。

2. The Department of Natural Resources and Environmental Studies (NRES hereafter) at National Dong Hwa University herein specifies the academic regulations for its master program in accordance with the regulations and relevant guidelines for awarding of a degree from this university. Academic regulations listed below apply to all master's students in the NRES.

二、 入學資格：

2. Enrollment:

(一) 公立或立案之私立大學或獨立學院或經教育部認可之外國大學各學系畢業具有學士學位，或應屆畢業或具有同等學歷之資格，經本校碩士班研究生入學考試通過者（含甄試），得進入本碩士班修讀碩士學位。

2.1. Students holding a bachelor degree from a local or foreign university or college or holding a bachelor-equivalent diploma recognized by the Ministry of Education, R.O.C., and passing the entrance examination of the master program may enroll in the master program

(二) 符合教育部訂定之「外國學生來華留學辦法」、「外國學生來臺就學辦法」，及「國立東華大學外國學生入學辦法」修讀碩士學位者，得進入本碩士班修讀碩士學位。

2.2. Foreign students meeting requirements of the “MOE Regulations Regarding International Students Undertaking Studies in Taiwan” by the Ministry of Education, R.O.C., and “Admission Guidelines for Foreign Students” by National Dong Hwa University may enroll in the master program.

(三) 申請轉系所組學生，依本校「學生轉系（所）辦法」之規定辦理。

2.3. Transfer students meeting the requirements of “Transfer Regulations” by the National Dong Hwa University may enroll in the master program.

(四) 新生因重病、懷孕、生產、哺育三歲以下幼兒或接獲兵役單位征集令，不能按時入學者經檢具有關證明於註冊前申述理由，向本校申請保留入學資格並獲准者，得延後進入本碩士班修讀本碩士學位。

2.4 New students with serious illnesses, pregnancy, maternity leave, caring for a child under 3 years-old or a receipt of draft order for military service may file an application to postpone enrollment in the doctoral program. Before registration, relevant documents should be submitted to retain enrollment qualification during postponement.

三、 修業年限：碩士班一般生修業以1至4學年為限，但在職研究生，得延長其修業年限2學年。

3. Years of enrollment:

Full-time students may enroll in the master program for at least one but no more than four academic years before receiving the master degree. Part-time students may apply for an extension of two academic years if necessary.

四、 修業規劃：本碩士班提供研究型及實用型兩種修業規劃，前者著重研究能力的養成，後者以專業訓練為主。本碩士班最低畢業學分數詳如課程規劃表。

4. Course requirements:

Course requirements vary with student choice of writing a research thesis or a technical report. A research thesis focuses on enhancing research ability. A technical report focuses on specialty training. The master program requires students to complete the minimum credit hours mentioned in “Course Requirements” before obtaining the master degree.

五、 學分抵免：

5. Exemption of credits:

(一) 本碩士班研究生在入學前曾修過相關課程之學分，抵免學分之資格依「國立東華大學辦理學生抵免學分辦法」辦理。

5.1. According to the “National Dong Hwa University policy for substitution of credits”, students in the master program may apply to be exempt from credits of related courses completed before enrollment.

(二) 申請抵免學分應於取得學分後次學期（新生為入學後第1學期）選課加退選截止1週前提出，並經環境學院課程規劃委員會審核。

5.2. With the approval of the Council of Academic Affairs of the College of Environmental studies, students may apply to substitute credits in the semester following the course in which the credits were completed. This application should be made before the add/withdrawal dead line of the following semester. Students in their first semester of enrollment have the entire semester to make this application.

(三) 學分抵免依下列方式審核：

5.3. Criteria for credit exemption:

1. 未列入大學畢業學分之本碩士班課程達B-級分或70分以上，且未超過抵免學分上限者，皆可申請抵免。

5.3.1. Students may apply to be exempt from credit hours for courses accredited by the master or doctoral program that have grades of at least 70 (or B-), but only when the total credit applied remains within the range indicated by 5.3.2..

2. 申請抵免學分以12學分為限，其中本校其他院系研究所及外校研究所選修學分以6學分為限。

5.3.2. A total of 12 credits of equivalent or similar courses are allowed for exemption. For courses taken outside the College of Environmental Studies, National Dong Hwa University, only 6 credits are allowed for exemption.

3. 逕行修讀碩士學位學生之學分抵免不受上述12學分之限制，惟其學分數若列入大學部畢業學分，則不得重複計入碩士班畢業學分數。

5.3.3. Applications of students in 3+2 program may exceed exemption limit from 5.3.2.. Credits listed for bachelor requirement are discounted.

(四) 申請抵免學分時須繳交下列各項資料：1. 申請表，2. 未列入大學畢業學分證明，3. 成績單。

5.4. Applicants shall submit an Application Form for Credit Exemption as well as an original copy of transcript when applying for credit exemption.

六、 指導教授之選定：

6. Thesis advising:

(一) 碩士生應於入學後1學期內，提出指導教授同意書，送系、院核備。

6.1. Students in the master program must identify a thesis advisor before the end of the first semester of enrollment. Students should submit the Agreement as Thesis Advisor form with the advisor's signature to the College and Department Office.

(二) 碩士生指導教授以本系專任助理教授以上教師擔任為原則，特殊狀況須以書面向環境學院課程規劃委員會提出申請，經審查通過後方得邀請系外教師擔任指導教授。

6.2. In principle, a thesis advisor should be at least a full-time assistant professor in the department. Exceptions may be made with the approval of the Council of Academic Affairs of the College of Environmental Studies if necessary to invite a thesis advisor from outside the department.

(三) 碩士生變更指導教授，需提出書面申請，經原指導教授、新指導教授及系主任同意後始得變更。

6.3. Students wishing to change thesis advisors must file an application and obtain approval of original thesis advisor, new thesis advisor and chairperson of the NRES master program.

七、碩士學位考試：

7. Master thesis examination:

(一) 學位考試以口試行之，並應依下列規定辦理：

7.1. A master thesis examination should take the form of an oral defense. Students completing the following requirements may schedule their master thesis defense.

1. 口試以公開舉行為原則，須於事前公佈口試時間、地點及題目。

7.1.1. The master thesis defense shall be held in public. The time, location, and master thesis topic shall be announced prior to the defense.

2. 學位考試委員應親自出席學位口試，不得委託他人為代表，碩士學位考試委員會至少應有委員三人出席，始得舉行。

7.1.2. The Examination Committee must be present and shall not be replaced by another person. The Examination Committee must contain at least three examiners.

3. 修業規劃之碩士生的學位考試，採個別辦理；實用型修業規劃之碩士生的學位考試，於每學期期末統一辦理。

7.1.3. Date of the thesis defense for a research thesis may be scheduled individually. Date of the defense for technical report should be scheduled at the end of the semester with other defenses of technical reports.

4. 學位考試成績，以70 (B-) 分為及格，100 (A+) 為滿分，評定以1次為限，並以出席委員評定分數平均決定之，但碩士學位考試有二分之一以上出席委員評定不及格者，以不及格論，不予平均。

7.1.4. Score for the master thesis defense is determined by averaging scores from Examiners attending the defense. An average score of at least 70 (B-) when no more than half of the committee grants a score lower than 70 is required to pass the examination. The possible full score for a thesis defense is 100 points (A+).

5. 已申請學位考試之研究生，若因故無法於該學期內完成學位考試，應於學校行事曆規定學期結束日之前報請學校撤銷該學期學位考試之申請。逾期未撤銷者，以1次不及格論。

7.1.5. Students may withdraw the application for thesis defense before the end for the semester. Failure to withdraw by the deadline will be recorded as failure of the thesis defense.

6. 論文有抄襲或舞弊情事，經學位考試委員會審查確定者，以不及格論，並送本校學生獎懲委員會議處。

7.1.6. Any instance of plagiarism or unethical conduct on a master thesis, as evaluated and confirmed by the Examination Committee, will lead to a non-passing grade for the thesis. The case shall then be sent to the disciplinary committee of the university.

7. 學位考試不通過，而其修業年限尚未屆滿者，得於次學期或次學年申請重考，重考以1次為限，重考不及格者，即令退學。

7.1.7. Any student failing the first master thesis defense before the year limit of enrollment may apply to retake the master thesis defense in the following academic semester or the following academic year. Any student failing the second thesis defense shall be dismissed from the program.

(二) 碩士生需於每學期學位考試申請系統截止日前上網提出口試申請，並檢附通過「學術研究倫理課程」之成績證明。

7.2. Students in the master program shall apply for oral defense before the defense application deadline of that semester (scheduled by NDHU). Application is via the online system. The application is not complete until the NRES office receives a certificate of research ethics education or transcripts from approved ethics-related courses.

(三) 碩士學位考試委員三至五人，校外委員須佔三分之一（含）以上，由委員互推一位為召集人，但指導教授不得擔任召集人。採研究型修業規劃者之考試委員由指導教授推薦，採實用型修業規劃者之考試委員由院行政會議自指導教授提出之推薦名單中圈選，由系、院提請校長遴聘之。碩士班研究生之配

偶或三親等內之血親、姻親，不得擔任其碩士學位考試委員。

7.3.The Examination Committee for the master thesis defense shall consist of three to five examiners with at least one-third of the examiners from off-campus. The Examination Committee members should elect a chair through mutual consent.A student’s advisor must not serve as chair. Committee members for students of research theses are chosen based on recommendations of student’s advisor. Examination committees for students of technical reports are selected by the Administrative Council of the College of Environmental Studies from the list of recommendations, provided by thesis advisors. In the latter case, examiners shall be nominated by the head of the department and invited by the president of the university. A student’s spouse, blood relatives, or in-laws within three degrees of relationship may not serve in any capacity on the Examining Committee.

(四) 碩士學位考試委員，除對研究生所提研究主題有專門研究者外，並應具有下列資格之一：

7.4.Members of the examination committee should be experts in the student’s field of research and meet the following requirements:

1.曾任教授、副教授者。

7.4.1. Full professor or associate professor in a university.

2.擔任中央研究院院士或曾任中央研究院研究員、副研究員者。

7.4.2.Member of the Academia Sinica:full research fellow or associate research fellow of The Academia Sinica.

3.獲有博士學位，在學術上著有成就者。

7.4.3.Professional holding a doctorate degree and having distinct accomplishments in the Field of study.

4.屬於稀少性或特殊性學科，在學術上或專業上著有成就者。

7.4.4.Professional with distinct accomplishments in a special field of study.

前項第三款及第四款之提聘資格認定標準，由系主任、院長認定之。

Approval of examiners meeting requirements 7.4.3., or 7.4.4.should be determined by the dean of the College of Environmental Studies and the chairperson of the NRES program.

八、本校對已授予之碩士學位，如發現有抄襲或舞弊情事，經調查屬實者，則撤銷其學位，追繳其已發之學位證書。

8. Substantiation of any instance of plagiarism or fraud in the submitted thesis will result in revoking the degree and reclaiming the diploma.

九、其他未盡之事宜，悉依教育部有關法令、本校學則及規章辦法辦理。

9. Any matters regarding master degrees not listed herein shall be implemented in accordance with relevant regulations of Ministry of Education, academic regulations, and relevant regulations of the university.

十、本要點經本院「院務會議」通過後公告實施並報「教務會議」備查，修正時亦同。

10. These regulations are in effect upon approval by the Council of College Affairs of the College of Environmental Studies and review by the Council for Academic Affairs of National Dong Hwa University.

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國立東華大學自然資源與環境學系博士班修業要點部分條文修正對照表

修正條文	現行條文	說明
<p>四、修業規定： (二)修習本校或校外博士班相關課程及格(修習成績應至少達70分以上)且未計入其畢業學分數者，經論文及課業指導委員會同意，得申請抵免學分，申請一次為限。</p>	<p>四、修業規定： (二)本博士班研究生在入學前曾修過相關課程之學分，抵免學分之資格依「國立東華大學辦理學生抵免學分辦法」辦理，抵免學分上限為9學分。</p>	<p>取消學分抵免上限。</p>



國立東華大學自然資源與環境學系博士班學生修業要點(修訂後全文)

Student Academic Regulations

Doctoral Program

Department of Natural Resources and Environmental Studies, National Dong Hwa University

98.11.09 98年度第1學期第1次院課程規劃委員會擬定
98.12.14 98學年度第1學期第2次院務會議修正
99.01.06 98學年度第1學期第2次教務會議通過
99.11.15 99學年第1學期環境學院第1次院務會議修正通過
99.12.27 99學年第1學期環境學院第1次院務會議修正通過
100.01.05 99學年第1學期第2次教務會議修正通過
100.05.09 99學年第2學期環境學院第1次院務會議修正通過
100.06.22 99學年第2學期第2次教務會議通過
102.04.01 101學年度第2學期第1次院務會議修正通過
102.06.05 101學年度第2學期教務會議修正通過
102.10.28 102學年度第1學期第1次院務會議修正通過
103.04.14 102學年度第2學期第1次院務會議修正通過
103.05.28 102學年度第2學期教務會議修正通過
104.01.12 103學年度第1學期第2次院務會議修正通過
104.04.01 103學年度第2學期第1次教務會議修正通過
105.01.04 104學年度第1學期第2次院務會議修正通過

一、國立東華大學自然資源與環境學系博士班(以下簡稱本博士班)為規範博士班研究生修業事項，依據本校學位授予作業規章及相關規定，特訂定本修業要點。

1. The Department of Natural Resources and Environmental Studies (NRES, hereafter), National Dong Hwa University herein specifies academic regulations for its doctoral program (the doctoral program, hereafter), in accordance with the regulations and relevant guidelines for the award of a degree from this university. Academic regulations listed below concerns all doctoral students in NRES.

二、入學資格：

2. Enrollment:

(一) 公立或立案之私立大學或獨立學院或經教育部認可之外國大學各學系畢業具有碩士學位，或應屆畢業或具有同等學歷之資格，經本校博士班研究生入學考試通過者，得進入本博士班修讀博士學位。

2.1. Students holding a master degree from a local or foreign university or college or holding a master-equivalent diploma recognized by the Ministry of Education, R.O.C., and passing the entrance examination of the doctoral program may enroll in the doctoral program.

(二) 符合教育部訂定之「外國學生來華留學辦法」、「外國學生來台就學辦法」，及「國立東華大學外國學生入學辦法」修讀博士學位者，得進入本博士班修讀博士學位。

2.2. Foreign students meeting requirements of the “MOE Regulations Regarding International Students Undertaking Studies in Taiwan”, “International Students Undertaking Studies in Taiwan” by the Ministry of Education, R.O.C., and “Admission Guidelines for Foreign Students” by National Dong Hwa University may enroll in the doctoral program.

(三) 符合「國立東華大學學生逕修讀博士學位作業規定」資格者。

2.3. Students from National Dong Hwa University fulfilling the “Regulations for National Dong Hwa University Students Pursuing a Doctoral Degree(SOP-AA-01-13)” may enroll in the doctoral program.

(四) 新生因重病、懷孕、生產、哺育三歲以下幼兒或接獲兵役單位征集令，不能按時入學者經檢具有關證明於註冊前申述理由，向本校申請保留入學資格並獲准者，得延後進入本博士班修讀博士學位。

2.4. New students with serious illness, pregnancy, maternity leave, caring for a child under 3 years old, or in receipt of a draft order for military service may file an application to postpone enrollment in the doctoral program. Before registration deadline for first semester of initial enrollment, relevant documents should be submitted to retain enrollment qualifications during postponement.

三、修業年限：至少6學期、至多14學期。

3. Year of enrollment:

Student should be enrolled in the doctoral program for at least six academic semesters but no more than fourteen academic semesters before receiving the doctor's degree.

四、修業規定：

本博士班研究生需修畢最低畢業學分，通過資格考試及學位考試，始取得畢業資格。通過資格考試者稱為博士候選人。修課規定：

4. Academic guidelines:

Students in the doctoral program must complete the minimum number of credit hours required and pass candidacy and dissertation examinations prior to graduation. Students passing candidacy examinations are referred to as "Ph.D. candidates."

(一) 本博士班最低畢業學分數詳如課程規劃表。

4.1. The NRES Ph.D. program requires students to complete the minimum credit hours mentioned in "Courses Requirements" before obtaining the degree of Doctor of Philosophy (Ph.D.).

(二) 修習本校或校外博士班相關課程及格（修習成績應至少達 70 分以上）且未計入其畢業學分數者，經論文及課業指導委員會同意，得申請抵免學分，申請一次為限。

4.2.

(三) 碩士生逕行修讀博士學位之前修習博士班課程之學分，得包含在博士班之畢業學分數。

4.3. Students enrolled in the NRES master program may decide to pursue a Ph.D. degree without first obtaining a master degree. In this case, doctoral level credits earned prior to enrolling in the doctoral program may be included in credit hours required for graduation.

(四) 逕行修讀博士學位之碩士生如放棄繼續攻讀者，其於博士班修讀之課程，可列為碩士班畢業學分數之抵免，惟須符合當年碩士班課程規劃之相關規定。

4.4. PhD students who wish to discontinue their doctoral studies may request a master degree if all course credits earned during the doctoral program fulfill requirements of the NRES masters program.

五、論文指導：

5. Thesis advising:

(一) 本博士班研究生應於入學第1學期結束前，選定論文指導教授，並繳交由師生雙方簽署之論文指導同意書。如有需要，可增選所內或所外相關教師1至2人擔任共同指導教授。

5.1. Students in the doctoral program must identify a dissertation advisor before the end of the first semester after enrollment. Students should submit the consent form with advisor's signature to the committee of academic affairs of NRES. Students may add one or two professors from the University as co-advisors.

(二) 本博士班研究生必須在入學第1學年結束前，與指導教授商議邀集相關教授，組成5人之論文及課業指導委員會。

5.2. With the assistance of their dissertation advisors, students in the doctoral program must propose an advisory committee consisting of five members to oversee student course work and dissertation research. The advisory committee should be formed by the end of the first academic year from matriculation.

(三) 本博士班研究生如欲更換論文指導教授，或是加選(更換)共同指導教授時，須繳交論文指導教授變更同意書。該同意書須經原指導教授、新指導教授及系主任簽署同意。

5.3. Students may petition the committee of academic affairs of NRES to change dissertation advisor or add or change co-advisors. This petition must include signatures of original dissertation advisor, new dissertation advisor, and head 4 of the department.

(四) 論文及課業指導委員會之功能如下：

5.4. The functions of the advisory committee are to:

1. 協助擬定修業期間應修習之課程科目；委員會得視需要要求本博士班研究生補修特定之基礎課程。

5.4.1. Advise student on subjects and courses to take, thus ensuring students have breadth of knowledge in relevant areas and to fill gaps in basic knowledge.

2. 審定選修學分中可列入畢業學分者。
- 5.4.2. Determine elective courses to be included for graduation credit.
3. 決定博士學位候選人資格考試之專業學科考試科目，審查博士論文研究計畫書。
- 5.4.3. Determine specific subjects and formats of the Ph.D. candidacy(qualifying) examinations and to examine and approve research proposals for doctoral dissertation.
4. 建議博士候選人學位考試委員人選。
- 5.4.4. Propose committee members for each Ph.D. candidate's Ph.D. dissertation (comprehensive) examination.

六、資格考試：

本博士班研究生在提出學位考試前，必須通過博士學位候選人之資格考試。資格考試之相關規定如下：

6.Ph.D. candidacy examinations:

Students in the doctoral program must pass the Ph.D. candidacy examinations before taking Ph.D. dissertation examinations.

- (一) 資格考試分為專業學科考試與博士論文研究計畫書審查兩部分。
- 6.1. Ph.D. candidacy examinations include examinations on specific subjects and an oral examination focusing on the dissertation proposal.
- (二) 專業學科考試之科目及命題與評分的考試委員，由論文及課業指導委員會建議，指導教授召集，聘請校內、外之助理教授(或相當職級者)以上之專業人士擔任。
- 6.2. Examinations on specific subjects are prepared by members of the examination committee which is appointed based on suggestions from the advisory committee. The examination committee is appointed by the dissertation advisor and consists of professors (or persons with particular expertise) from within or outside of the university.
- (三) 專業學科考試每學期得辦理1次，申請時間為每學期結束前2週，考試日期為每學期開學後2週內，不及格者得申請重考1次。
- 6.3. Examinations on specific subjects are held once each semester. Students taking examinations on specific subjects should submit a petition two weeks before the end of a semester. The exam shall take place during the first two weeks of the following semester. Students failing the first exam may re-take the examination one more time.
- (四) 本博士班研究生需在修業8學期內完成專業學科考試，取得及格成績。但有特殊情況，經指導教授同意送環境學院課程規劃委員會會議通過，得再延長2學期。
- 6.4. Students in the doctoral program are required to pass examinations on specific subjects before completion of the eighth academic semester from first enrollment. Students with special circumstances may receive an extension of two academic semesters upon approval of dissertation advisor and the Council of Academic Affairs of the College of Environmental Studies.
- (五) 轉換指導教授者，完成專業學科考試之期限得延長2學期。
- 6.5. Students changing dissertation advisors may receive an extension of two academic semesters before their examinations on specific subjects.
- (六) 本博士班研究生應於通過專業學科考試後4學期內提出博士論文研究計畫書，由論文及課業指導委員會負責審查。審查採口試方式進行，不及格者可申請重考1次。
- 6.6. Oral examination of the dissertation proposal should be held within four academic semesters of passing the examinations on specific subjects. During the oral exam, the advisory committee shall evaluate the dissertation proposal and determine whether the student may advance to doctoral candidacy. Students failing the oral exam may re-take it one more time.
- (七) 未能在規定期限內完成資格考試者，應令退學。
- 6.7. Students unable to pass Ph.D. candidacy examinations within the deadlines shall be withdrawn from the program.
- (八) 逕行修讀博士學位之研究生，未通過博士學位候選人資格考，經系、院課程規劃委員會審查通過，經校長核定，得再回原碩士班就讀。
- 6.8. Students enrolled in the doctoral program but failing pass Ph.D. candidacy examinations may continue studies in the master program depending, upon evaluation of the committee of academic affairs of NRES, and approval of the president of the university.

七、學位考試：

7.Ph.D. dissertation examination:

(一) 本博士班博士候選人之學位考試，以口試行之。合乎下列各項之所有規定者，得提出學位考試申請：

7.1.Ph.D. dissertation examination should take the form of oral defense (dissertation defense, hereafter). Students having completed the following requirements may schedule their Ph.D. dissertation defense.

1. 在學時間達規定之最低修業年限。

7.1.1.Duration of total enrollment has met the minimum number of required years.

2. 修畢規定之科目與學分，提出學位考試申請之當學期所修習之科目與學分得併入計算。

7.1.2.Required courses are obtained and the minimum credit hours are met. Courses taken in the same semester as the dissertation defense may be included to meet the minimum credit hours requirement.

3. 通過資格考試。

7.1.3.Students must pass the Ph.D. candidacy examinations.

4. 檢附通過「學術研究倫理課程」之成績證明。

7.1.4 The application is not complete until the NRES office receives a certificate of research ethics education or transcripts from approved ethics-related courses.

(二) 本博士班學位考試委員會置委員5至7人，校外委員至少佔1/3，由論文及課業指導委員會建議，就校內外學者專家中對研究生所提論文學科有專門研究，並具備下列資格之一者，提出建議名單，系主任提請校長遴聘之。博士班候選人之配偶或三等親內之血親、姻親，不得擔任其博士學位考試委員。

7.2.The Examination Committee for Ph.D. dissertation defense shall consist of five to seven examiners, with at least one-third from off-campus. The advisory committee shall recommend examiners who are experts in the student's field of research. The student's spouse, blood and married relatives within three degrees of relationship may not serve in any capacity on the Examining Committee. Examiners shall be nominated by the head of the department and appointed by the president of the university.

Qualified examiners should meet one of the following requirements:

1. 任教授者。

7.2.1.Full professor in a university.

2. 擔任中央研究院院士或曾任中央研究院研究員者。

7.2.2.Member of the Academia Sinica or full research scientist of the Academia Sinica.

3. 曾任副教授或擔任中央研究院副研究員，在學術上有成就者。

7.2.3.Associate professor or associate research scientist of the Academia Sinica with distinct accomplishments in the field of study.

4. 獲有博士學位，在學術上著有成就者。

7.2.4.Professional holding a doctorate degree and having distinct accomplishments in the field of study.

5. 屬於稀少性或特殊性學科，在學術上或專業上著有成就者。前項第3款至第5款之提聘資

格

認定標準，由系主任及院長認定之。

7.2.5.Professional with distinct accomplishments in a special field of study. Approval of examiners meeting requirements 7.2.3, 7.2.4, or 7.2.5 should be decided by the dean of Environmental Studies and the chairperson of NRES.

(三)、本博士班學位考試之進行，依下列規定辦理：

7.3.A Ph.D. dissertation defense in this doctoral program shall follow the rules and format below:

1. 學位考試以公開舉行為原則，須於事前公佈考試時間、地點及論文題目。

7.3.1.The Ph.D. dissertation defense shall be held in public; the time, location, and the dissertation topic shall be announced prior to the defense.

2. 學位考試委員應親自出席學位考試，不得委託他人為代表，博士學位考試委員會至少應有委員5人出席，方得舉行。

7.3.2.Examiners on the Examination Committee must be present in person and shall not be replaced by another person. At least five examiners must attend the Ph.D. dissertation defense.

3. 學位考試委員會由委員互推1人為召集人；但指導教授不得擔任召集人。

7.3.3.Examination Committee members should elect a chair through mutual consent because the

student's advisor may not serve as chair.

4. 學位考試成績，以70分為及格，100為滿分，評定以1次為限，並以出席委員評定分數平均決定之，但博士學位考試有1/2以上出席委員評定不及格者，以不及格論，不予平均。

7.3.4.The score for the Ph.D. dissertation defense is determined by averaging scores from examiners attending the defense, but if more than half of the examiners give a score < 70 points, the student will fail. An average score of a least 70 points is required to pass the examination.Maximum possible score is 100 points.

5. 論文有抄襲或舞弊情事，經學位考試委員會審查確定者，以不及格論，並送本校學生獎懲委員會處。

7.3.5.If the dissertation contains any instance of plagiarism or unethical conduct, the Examination Committee shall evaluate and confirm this. The student shall receive a non-passing grade, and shall be sent to the disciplinary committee of the university.8

(四)、學位考試不及格者，得於次學期或次學年申請重考，重考以1次為限，重考不及格者，即令退學。

7.4.Students failing the Ph.D. dissertation defense may apply to retake the Ph.D. dissertation defense the following academic semester or following academic year. Students failing the second time will be dismissed from the program.

八、畢業資格：於修業年限內符合修業規定完成資格考試與學位考試。

8.Graduation requirements:

Students having passed the Ph.D. candidacy examination and Ph.D. dissertation defense and having completed all following degree requirements within the graduation time period may apply for Ph.D. degree.

(一) 取得下列任一種英文能力證明：

8.1.Obtained any one of the following certificates of English ability:

1.通過全民英文能力分級檢定中高級初試(或參照附件表1所列同等級之英語認定標準)。

8.1.1. Pass the "Intermediate-Advanced level" in the General English Proficiency Test or equivalent. (Table 1 lists equivalent tests of English proficiency.)

2. 修習經本系認定之本校相關英文課程，且至少6學分成績達A-以上。相關英文課程如附件表2，如有變更由課程規劃委員會於每學年初公佈之。

8.1.2.Receiving a grade greater or equal to A-in each of at least six credit hours of English courses offered by NDHU and recognized by the committee of academic affairs of NRES. Acceptable English courses are listed in Table 2 and are determined by the committee of academic affairs of NRES and announced at the beginning of each academic year.

3. 曾於英語系國家取得學士(以上)學位者。

8.1.3. Receipt of a certificate for a bachelor (or higher) degree from an English speaking country.

(二) 於有審查制度之期刊上發表(含已被接受)以第1作者或通訊作者發表論文2篇，其中至少1篇發表在SCI、SSCI、A&HCI、TSSCI或EI [英文長篇學術論著(full research paper)] 期刊上；前述2篇論文需與博士研究領域相關，且經論文及課業指導委員會審查合格。

8.2.Published (or accepted for publication) as first or corresponding author of two papers in peer-reviewed journals, at least one of which is in as SCI, SSCI, A&HCI, TSSCI, EI Journal. These publications should be in the fields relevant to the Ph.D. dissertation research and approved by the student's advisory committee.

九、本校對已授予之博士學位，如發現論文有抄襲或舞弊情事，經調查屬實者，則撤銷其學位，追繳其已發之學位證書。

9.Substantiation of any instance of plagiarism or fraud in the submitted dissertation will result in revoking the degree and reclaiming the diploma.

十、本博士班研究生各項考試成績之計算，以B-為最低及格標準。

10.For all Ph.D. students, the minimum passing grade for each course is B-.

十一、本博士班研究生修讀權益相關之爭議，交由本博士班申訴委員會處理。辦法另訂之。

11.Disputes regarding student rights shall be handled by a special committee of NRES. Procedures are not

subscribed herein.

十二、本要點經環境學院院務會議通過並報教務會議核備後公告實施，修正時亦同。其他未盡之事宜，悉依學校相關規定辦理。

12.The student academic regulations are approved by the Counsel of College Affairs of NRES and the Counsel for Academic Affairs of National Dong Hwa University. Any matters regarding doctorate degrees not listed herein shall be implemented in accordance with relevant regulations of the university.

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國立東華大學自然資源與環境學系博士班學生修業要點(修訂前全文)

Student Academic Regulations

Doctoral Program

Department of Natural Resources and Environmental Studies, National Dong Hwa University

98.11.09 98年度第1學期第1次院課程規劃委員會擬定
98.12.14 98學年度第1學期第2次院務會議修正
99.01.06 98學年度第1學期第2次教務會議通過
99.11.15 99學年第1學期環境學院第1次院務會議修正通過
99.12.27 99學年第1學期環境學院第1次院務會議修正通過
100.01.05 99學年第1學期第2次教務會議修正通過
100.05.09 99學年第2學期環境學院第1次院務會議修正通過
100.06.22 99學年第2學期第2次教務會議通過
102.04.01 101學年度第2學期第1次院務會議修正通過
102.06.05 101學年度第2學期教務會議修正通過
102.10.28 102學年度第1學期第1次院務會議修正通過
103.04.14 102學年度第2學期第1次院務會議修正通過
103.05.28 102學年度第2學期教務會議修正通過
104.01.12 103學年度第1學期第2次院務會議修正通過
104.04.01 103學年度第2學期第1次教務會議修正通過
105.01.04 104學年度第1學期第2次院務會議修正通過

一、國立東華大學自然資源與環境學系博士班(以下簡稱本博士班)為規範博士班研究生修業事項，依據本校學位授予作業規章及相關規定，特訂定本修業要點。

1. The Department of Natural Resources and Environmental Studies (NRES, hereafter), National Dong Hwa University herein specifies academic regulations for its doctoral program (the doctoral program, hereafter), in accordance with the regulations and relevant guidelines for the award of a degree from this university. Academic regulations listed below concerns all doctoral students in NRES.

二、入學資格：

2. Enrollment:

(一) 公立或立案之私立大學或獨立學院或經教育部認可之外國大學各學系畢業具有碩士學位，或應屆畢業或具有同等學歷之資格，經本校博士班研究生入學考試通過者，得進入本博士班修讀博士學位。

2.1. Students holding a master degree from a local or foreign university or college or holding a master-equivalent diploma recognized by the Ministry of Education, R.O.C., and passing the entrance examination of the doctoral program may enroll in the doctoral program.

(二) 符合教育部訂定之「外國學生來華留學辦法」、「外國學生來台就學辦法」，及「國立東華大學外國學生入學辦法」修讀博士學位者，得進入本博士班修讀博士學位。

2.2. Foreign students meeting requirements of the “MOE Regulations Regarding International Students Undertaking Studies in Taiwan”, “International Students Undertaking Studies in Taiwan” by the Ministry of Education, R.O.C., and “Admission Guidelines for Foreign Students” by National Dong Hwa University may enroll in the doctoral program.

(三) 符合「國立東華大學學生逕修讀博士學位作業規定」資格者。

2.3. Students from National Dong Hwa University fulfilling the “Regulations for National Dong Hwa University Students Pursuing a Doctoral Degree(SOP-AA-01-13)” may enroll in the doctoral program.

(四) 新生因重病、懷孕、生產、哺育三歲以下幼兒或接獲兵役單位征集令，不能按時入學者經檢具有關證明於註冊前申述理由，向本校申請保留入學資格並獲准者，得延後進入本博士班修讀博士學位。

2.4. New students with serious illness, pregnancy, maternity leave, caring for a child under 3 years old, or in receipt of a draft order for military service may file an application to postpone enrollment in the doctoral program. Before registration deadline for first semester of initial enrollment, relevant documents should be

submitted to retain enrollment qualifications during postponement.

三、修業年限：至少6學期、至多14學期。

3. Years of enrollment:

Student should be enrolled in the doctoral program for at least six academic semesters but no more than fourteen academic semesters before receiving the doctor's degree.

四、修業規定：

本博士班研究生需修畢最低畢業學分，通過資格考試及學位考試，始取得畢業資格。通過資格考試者稱為博士候選人。修課規定：

4. Academic guidelines:

Students in the doctoral program must complete the minimum number of credit hours required and pass candidacy and dissertation examinations prior to graduation. Students passing candidacy examinations are referred to as "Ph.D. candidates."

(一) 本博士班最低畢業學分數詳如課程規劃表。

4.1. The NRES Ph.D. program requires students to complete the minimum credit hours mentioned in "Courses Requirements" before obtaining the degree of Doctor of Philosophy (Ph.D.).

(二) 本博士班研究生在入學前曾修過相關課程之學分，抵免學分之資格依「國立東華大學辦理學生抵免學分辦法」辦理，抵免學分上限為9學分。

4.2. According to the "National Dong Hwa University policy for substitution of credits", students in the master program may apply to be exempt from credits of related courses completed before enrollment. A maximum of nine credit hours can be substituted.

(三) 碩士生逕行修讀博士學位之前修習博士班課程之學分，得包含在博士班之畢業學分數。

4.3. Students enrolled in the NRES master program may decide to pursue a Ph.D. degree without first obtaining a master degree. In this case, doctoral level credits earned prior to enrolling in the doctoral program may be included in credit hours required for graduation.

(四) 逕行修讀博士學位之碩士生如放棄繼續攻讀者，其於博士班修讀之課程，可列為碩士班畢業學分數之抵免，惟須符合當年碩士班課程規劃之相關規定。

4.4. PhD students who wish to discontinue their doctoral studies may request a master degree if all course credits earned during the doctoral program fulfill requirements of the NRES masters program.

五、論文指導：

5. Thesis advising:

(一) 本博士班研究生應於入學第1學期結束前，選定論文指導教授，並繳交由師生雙方簽署之論文指導同意書。如有需要，可增選所內或所外相關教師1至2人擔任共同指導教授。

5.1. Students in the doctoral program must identify a dissertation advisor before the end of the first semester after enrollment. Students should submit the consent form with advisor's signature to the committee of academic affairs of NRES. Students may add one or two professors from the University as co-advisors.

(二) 本博士班研究生必須在入學第1學年結束前，與指導教授商議邀集相關教授，組成5人之論文及課業指導委員會。

5.2. With the assistance of their dissertation advisors, students in the doctoral program must propose an advisory committee consisting of five members to oversee student course work and dissertation research. The advisory committee should be formed by the end of the first academic year from matriculation.

(三) 本博士班研究生如欲更換論文指導教授，或是加選(更換)共同指導教授時，須繳交論文指導教授變更同意書。該同意書須經原指導教授、新指導教授及系主任簽署同意。

5.3. Students may petition the committee of academic affairs of NRES to change dissertation advisor or add or change co-advisors. This petition must include signatures of original dissertation advisor, new dissertation advisor, and head 4 of the department.

(四) 論文及課業指導委員會之功能如下：

5.4. The functions of the advisory committee are to:

1. 協助擬定修業期間應修習之課程科目；委員會得視需要要求本博士班研究生補修特定之基

礎課程。

- 5.4.1. Advise student on subjects and courses to take, thus ensuring students have breadth of knowledge in relevant areas and to fill gaps in basic knowledge.
2. 審定選修學分中可列入畢業學分者。
- 5.4.2. Determine elective courses to be included for graduation credit.
3. 決定博士學位候選人資格考試之專業學科考試科目，審查博士論文研究計畫書。
- 5.4.3. Determine specific subjects and formats of the Ph.D. candidacy(qualifying) examinations and to examine and approve research proposals for doctoral dissertation.
4. 建議博士候選人學位考試委員人選。
- 5.4.4. Propose committee members for each Ph.D. candidate's Ph.D. dissertation (comprehensive) examination.

六、資格考試：

本博士班研究生在提出學位考試前，必須通過博士學位候選人之資格考試。資格考試之相關規定如下：

6.Ph.D. candidacy examinations:

Students in the doctoral program must pass the Ph.D. candidacy examinations before taking Ph.D. dissertation examinations.

(一) 資格考試分為專業學科考試與博士論文研究計畫書審查兩部分。

6.1. Ph.D. candidacy examinations include examinations on specific subjects and an oral examination focusing on the dissertation proposal.

(二) 專業學科考試之科目及命題與評分的考試委員，由論文及課業指導委員會建議，指導教授召集，聘請校內、外之助理教授(或相當職級者)以上之專業人士擔任。

6.2. Examinations on specific subjects are prepared by members of the examination committee which is appointed based on suggestions from the advisory committee. The examination committee is appointed by the dissertation advisor and consists of professors (or persons with particular expertise) from within or outside of the university.

(三) 專業學科考試每學期得辦理1次，申請時間為每學期結束前2週，考試日期為每學期開學後2週內，不及格者得申請重考1次。

6.3. Examinations on specific subjects are held once each semester. Students taking examinations on specific subjects should submit a petition two weeks before the end of a semester. The exam shall take place during the first two weeks of the following semester. Students failing the first exam may re-take the examination one more time.

(四) 本博士班研究生需在修業8學期內完成專業學科考試，取得及格成績。但有特殊情況，經指導教授同意送環境學院課程規劃委員會會議通過，得再延長2學期。

6.4. Students in the doctoral program are required to pass examinations on specific subjects before completion of the eighth academic semester from first enrollment. Students with special circumstances may receive an extension of two academic semesters upon approval of dissertation advisor and the Council of Academic Affairs of the College of Environmental Studies.

(五) 轉換指導教授者，完成專業學科考試之期限得延長2學期。

6.5. Students changing dissertation advisors may receive an extension of two academic semesters before their examinations on specific subjects.

(六) 本博士班研究生應於通過專業學科考試後4學期內提出博士論文研究計畫書，由論文及課業指導委員會負責審查。審查採口試方式進行，不及格者可申請重考1次。

6.6. Oral examination of the dissertation proposal should be held within four academic semesters of passing the examinations on specific subjects. During the oral exam, the advisory committee shall evaluate the dissertation proposal and determine whether the student may advance to doctoral candidacy. Students failing the oral exam may re-take it one more time.

(七) 未能在規定期限內完成資格考試者，應令退學。

6.7. Students unable to pass Ph.D. candidacy examinations within the deadlines shall be withdrawn from the program.

(八) 逕行修讀博士學位之研究生，未通過博士學位候選人資格考，經系、院課程規劃委員會審查通過，經校長核定，得再回原碩士班就讀。

6.8. Students enrolled in the doctoral program but failing pass Ph.D. candidacy examinations may

continue studies in the master program depending, upon evaluation of the committee of academic affairs of NRES, and approval of the president of the university.

七、學位考試：

7.Ph.D. dissertation examination:

(一) 本博士班博士候選人之學位考試，以口試行之。合乎下列各項之所有規定者，得提出學位考試申請：

7.1.Ph.D. dissertation examination should take the form of oral defense (dissertation defense, hereafter). Students having completed the following requirements may schedule their Ph.D. dissertation defense.

1. 在學時間達規定之最低修業年限。

7.1.1.Duration of total enrollment has met the minimum number of required years.

2. 修畢規定之科目與學分，提出學位考試申請之當學期所修習之科目與學分得併入計算。

7.1.2.Required courses are obtained and the minimum credit hours are met. Courses taken in the same semester as the dissertation defense may be included to meet the minimum credit hours requirement.

3. 通過資格考試。

7.1.3.Students must pass the Ph.D. candidacy examinations.

4. 檢附通過「學術研究倫理課程」之成績證明。

7.1.4 The application is not complete until the NRES office receives a certificate of research ethics education or transcripts from approved ethics-related courses.

(二) 本博士班學位考試委員會置委員5至7人，校外委員至少佔1/3，由論文及課業指導委員會建議，就校內外學者專家中對研究生所提論文學科有專門研究，並具備下列資格之一者，提出建議名單，系主任提請校長遴聘之。博士班候選人之配偶或三等親內之血親、姻親，不得擔任其博士學位考試委員。

7.2.The Examination Committee for Ph.D. dissertation defense shall consist of five to seven examiners, with at least one-third from off-campus. The advisory committee shall recommend examiners who are experts in the student's field of research. The student's spouse, blood and married relatives within three degrees of relationship may not serve in any capacity on the Examining Committee. Examiners shall be nominated by the head of the department and appointed by the president of the university.

Qualified examiners should meet one of the following requirements:

1. 任教授者。

7.2.1.Full professor in a university.

2. 擔任中央研究院院士或曾任中央研究院研究員者。

7.2.2.Member of the Academia Sinica or full research scientist of the Academia Sinica.

3. 曾任副教授或擔任中央研究院副研究員，在學術上有成就者。

7.2.3.Associate professor or associate research scientist of the Academia Sinica with distinct accomplishments in the field of study.

4. 獲有博士學位，在學術上著有成就者。

7.2.4.Professional holding a doctorate degree and having distinct accomplishments in the field of study.

5. 屬於稀少性或特殊性學科，在學術上或專業上著有成就者。前項第3款至第5款之提聘資

格

認定標準，由系主任及院長認定之。

7.2.5.Professional with distinct accomplishments in a special field of study. Approval of examiners meeting requirements 7.2.3, 7.2.4, or 7.2.5 should be decided by the dean of Environmental Studies and the chairperson of NRES.

(三)、本博士班學位考試之進行，依下列規定辦理：

7.3.A Ph.D. dissertation defense in this doctoral program shall follow the rules and format below:

1. 學位考試以公開舉行為原則，須於事前公佈考試時間、地點及論文題目。

7.3.1.The Ph.D. dissertation defense shall be held in public; the time, location, and the dissertation topic shall be announced prior to the defense.

2. 學位考試委員應親自出席學位考試，不得委託他人為代表，博士學位考試委員會至少應有委員5人出席，方得舉行。

7.3.2.Examiners on the Examination Committee must be present in person and shall not be replaced by another person. At least five examiners must attend the Ph.D. dissertation

defense.

3. 學位考試委員會由委員互推1人為召集人；但指導教授不得擔任召集人。
 - 7.3.3.Examination Committee members should elect a chair through mutual consent because the student's advisor may not serve as chair.
 4. 學位考試成績，以70分為及格，100為滿分，評定以1次為限，並以出席委員評定分數平均決定之，但博士學位考試有1/2以上出席委員評定不及格者，以不及格論，不予平均。
 - 7.3.4.The score for the Ph.D. dissertation defense is determined by averaging scores from examiners attending the defense, but if more than half of the examiners give a score < 70 points, the student will fail. An average score of a least 70 points is required to pass the examination.Maximum possible score is 100 points.
 5. 論文有抄襲或舞弊情事，經學位考試委員會審查確定者，以不及格論，並送本校學生獎懲委員會議處。
 - 7.3.5.If the dissertation contains any instance of plagiarism or unethical conduct, the Examination Committee shall evaluate and confirm this. The student shall receive a non-passing grade, and shall be sent to the disciplinary committee of the university.8
- (四)、學位考試不及格者，得於次學期或次學年申請重考，重考以1次為限，重考不及格者，即令退學。
- 7.4.Students failing the Ph.D. dissertation defense may apply to retake the Ph.D. dissertation defense the following academic semester or following academic year. Students failing the second time will be dismissed from the program.

八、畢業資格：於修業年限內符合修業規定完成資格考試與學位考試。

8.Graduation requirements:

Students having passed the Ph.D. candidacy examination and Ph.D. dissertation defense and having completed all following degree requirements within the graduation time period may apply for Ph.D. degree.

(一) 取得下列任一種英文能力證明：

8.1.Obtained any one of the following certificates of English ability:

1.通過全民英文能力分級檢定中高級初試(或參照附件表1所列同等級之英語認定標準)。

8.1.1. Pass the "Intermediate-Advanced level" in the General English Proficiency Test or equivalent. (Table 1 lists equivalent tests of English proficiency.)

2. 修習經本系認定之本校相關英文課程，且至少6學分成績達A-以上。相關英文課程如附件表2，如有變更由課程規劃委員會於每學年初公佈之。

8.1.2.Receiving a grade greater or equal to A-in each of at least six credit hours of English courses offered by NDHU and recognized by the committee of academic affairs of NRES. Acceptable English courses are listed in Table 2 and are determined by the committee of academic affairs of NRES and announced at the beginning of each academic year.

3. 曾於英語系國家取得學士(以上)學位者。

8.1.3. Receipt of a certificate for a bachelor (or higher) degree from an English speaking country.

(二) 於有審查制度之期刊上發表(含已被接受)以第1作者或通訊作者發表論文2篇，其中至少1篇發表在SCI、SSCI、A&HCI、TSSCI或EI [英文長篇學術論著(full research paper)] 期刊上；前述2篇論文需與博士研究領域相關，且經論文及課業指導委員會審查合格。

8.2.Published (or accepted for publication) as first or corresponding author of two papers in peer-reviewed journals, at least one of which is in as SCI, SSCI, A&HCI, TSSCI, EI Journal. These publications should be in the fields relevant to the Ph.D. dissertation research and approved by the student's advisory committee.

九、本校對已授予之博士學位，如發現論文有抄襲或舞弊情事，經調查屬實者，則撤銷其學位，追繳其已發之學位證書。

9.Substantiation of any instance of plagiarism or fraud in the submitted dissertation will result in revoking the degree and reclaiming the diploma.

十、本博士班研究生各項考試成績之計算，以B-為最低及格標準。

10.For all Ph.D. students, the minimum passing grade for each course is B-.

十一、本博士班研究生修讀權益相關之爭議，交由本博士班申訴委員會處理。辦法另訂之。

11.Disputes regarding student rights shall be handled by a special committee of NRES. Procedures are not subscribed herein.

十二、本要點經環境學院院務會議通過並報教務會議核備後公告實施，修正時亦同。其他未盡之事宜，悉依學校相關規定辦理。

12.The student academic regulations are approved by the Counsel of College Affairs of NRES and the Counsel for Academic Affairs of National Dong Hwa University. Any matters regarding doctorate degrees not listed herein shall be implemented in accordance with relevant regulations of the university.

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