Course Map										
	Outline									
Department Name	Department of Forestry									
Class	Forest Science Program Note: 113-2 Curriculum Meeting: 1. Forest Camp (I) (including Silviculture and Dendrology forest camp) – Del 2. Forest Camp (II) (including Forest Mensuration and Forest Management 3. Forest Camp (II) (including Forest Mensuration and Forest Management 3. Forest Field Practice – Dendrology – Added. 4. Forest Field Practice – Silviculture – Added. 5. Forest Field Practice – Forest Mensuration – Added. 6. Forest Field Practice – Forest Management – Added. 7. Forest Ecology – Credit hours changed from 3 credits to 2 credits. 8. Introduction to Forest Ecology – Added.									
	Educational Objectives									
No.	Item									
1	Cultivate forest resource conservation and management professionals with international perspectives	n integration, innovation capabilities and								
	Student's Core Competencies									
No.	Item	Corresponding to Educational Objectives No.								
1	Basic knowledge and skills in forestry	1								
2	Theories and practices in forest biology, conservation and ecology	1								
3	Theories and practices in silviculture, forest genetics and breeding	1								
4	Theories and practices in forest management	1								
4										

1 : U-Bachelor's Program, M-Master's Program, D-Doctoral Program

- 2: A-Normal Courses, B-Practical Courses, C-Out-of-Classes Guided Subjects, such as thematic discussions and research sessions for students to speak or invited speeches, etc.

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Course Chinese	Course English Name	Plan		points ote)	s (See	Corresponding	Sugges- ted	Offering	Notes				
Name	Course English Name	1	2	3	4	-core competency No.	grade level	department	NOLES				
Compulsory Courses													
林木生理學	Tree Physiology	U	A	S	3	3-100	2	Department of Forestry					
樹木學	Dendrology	U	A	S	3	1-10,2-80,3-10	1	Department of Forestry					
森林測計學	Forest Mensuration	U	A	S	2	4-100	2	Department of Forestry					
森林測計學實習	Practice of Forest Mensuration	U	В	S	1	4-100	2	Department of Forestry					
森林生態學	Forest Ecology	U	A	S	2	1-30,2-40,3-10,4- 20	3	Department of Forestry	Changed to 2 credits in semester 2024-2				
遺傳學	Genetics	U	A	S	3	1-10,2-90	2	Department of Forestry	2019-S2 name update 原林木遺 傳學				
育林學及實習	Silviculture with Practice	U	AB	S	3	1-10,2-10,3-80	3	Department of Forestry					
森林資源評價學	Forest Resources Evaluation	U	A	S	2	1-10,2-10,4-80	3	Department of Forestry					
森林遙感探測學 及實習	Remote Sensing in Forestry with Practice	U	AB	S	3	1-10,4-90	3	Department of Forestry					
森林經營學	Forest Management	U	A	S	2	1-10,4-90	3	Department of Forestry					
森林經營學實習	Practice of Forest Management	U	В	S	1	1-10,4-90	3	Department of Forestry					
森林學	Forestry	U	A	S	2	1-100	1	Department of Forestry					
普通化學	General Chemistry	U	A	S	3	1-100	1	Department of Chemistry	2020-S1 update to compulsory				
專題討論(一)	Seminar (I)	U	С	S	1	1-20,2-20,3-20,4- 20,5-20	4	Department of Forestry					
專題討論(二)	Seminar (П)	U	С	S	1	1-20,2-20,3-20,4- 20,5-20	4	Department of Forestry					
生物化學	Biochemistry	U	A	S	4	1-100	4	Department of Food Science and Biotechnology	2010-S2 update to 4 credits				

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			L	esso	on Pl	an						
Course Chinese Name	Course English Name	Plan 1	ning p no 2	ooints ote) 3	6 (See	Corresponding core competency No.	Sugges- ted grade level	Offering department	Notes			
Compulsory Courses												
微積分(一)	Calculus(I)	U	A	S	2	1-100	1	Department of Applied Mathematics	2012-S2 semester change			
微積分(二)	Calculus(II)	U	A	S	2	1-100	1	Department of Applied Mathematics				
森林遊樂學	Forest Recreation	U	A	S	2	1-30,4-70	3	Department of Forestry	2019-S1 update to 2 credits			
林場實習(一)	Forest Camp (I)	U	В	S	1	2-50,3-50	3	Department of Forestry	Deleted in semester 2024-2			
林場實習(二)	Forest Camp (II)	U	В	S	1	4-100	4	Department of Forestry	Deleted in semester 2024-2			
林場實習-樹木 學	Forest Field Practice - Dendrology	U	В	S	1	1-40,2-40,3-10,4- 10	3	Department of Forestry	Added in semester 2024-2			
林場實習-育林 學	Forest Field Practice - Silviculture	U	В	S	1	1-10,2-30,3-50,4- 10	4	Department of Forestry	Added in semester 2024-2			
林場實習-森林 測計學	Forest Field Practice - Forest Mensuration	U	В	S	1	1-20,2-30,4-50	3	Department of Forestry	Added in semester 2024-2			
林場實習-森林 經營學	Forest Field Practice - Forest Management	U	В	S	1	1-20,2-30,4-50	4	Department of Forestry	Added in semester 2024-2			
統計學	Statistics	U	A	S	3	1-100	1	Department of Forestry	2013-S2 Addition			
能高森林講座	Nenggao Forestry Lecture	U	С	S	2	1-20,2-20,3-20,4- 20,5-20	3	Department of Forestry	2015-S2 addition 2017-S2 update eng name			
森林土壤學	Forest Soil Science	U	A	S	2	1-80,2-10,3-10	2	Department of Forestry	2017-S1 addition			
野生動物經營管 理	Wildlife Management	U	A	S	3	2-50, 4-50	2	Department of Forestry	2018-S2 newly opened			

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			Le	esso	n Pl	an			
Course Chinese	Course English Name	Pla		ig poi note)		Corresponding core competency No.	Sugges- ted	Offering	Notes
Name		1	2	3	4		grade level	department	Hotes
			El	ective	Cour	ses			
育林應用專論	Special Applied Topics in Silviculture	U	A	S	2	2-20,3-80	4	Department of Forestry	2023-M5 newly added
森林環境學	Environmental Science in Forest	U	A	S	2	1-20,2-40,3-40	2	Department of Forestry	2010-S1 正 課 2023-M2 update to elective
遺傳學實驗	Lab in Genetics	U	В	S	1	1-10,2-90	2	Department of Forestry	2023-S2 newly added
造林應用及實習	Applications and Practices in Silviculture	U	AB	S	3	1-10,2-10,3-80	3	Department of Forestry	2023-S2 newly added
森林資源研究方 法與論文寫作	Principle of Research in Forest Resources and Scientific Writing	U	А	S	2	1-60,2-20,4-20	≧4	Department of Forestry	2022-M5 both MSc & bachelor 2023-M2 update to 2 credits
農業英文	English for Agriculture	U	A	S	1	1-100	2	College of Agriculture and Natural Resources	2022-M1 newly added
森林益康與創新 應用	Forest Benefits and Innovation Application	U	A	S	2	1-20,2-20,3-20,4- 20,5-20	≧4	Department of Forestry	2021-M3 newly added; both MSc & bachelor
野生動物經營管 理實習	Lab of Wildlife Management	U	В	S	1	2-80,4-20	2	Department of Forestry	2018-S2 newly added
林木遺傳學實習	Practice of Forest Genetics	U	AB	S	2	1-5,3-85,4-10	2	Department of Forestry	2018-S1 newly added
森林衛星定位及 繪圖	Satellite Positioning and Mapping for Forests	U	A	S	3	1-40,2-30,4-30	2	Department of Forestry	2017-S1 newly added
機器學習物種空 間型態分析及模 擬	Machine Learning for Spatial Pattern Analysis and Simulation in Species	U	A	S	3	1-40,2-30,4-30	3	Department of Forestry	2017-S1 newly added
地球空間資料萃 取及模擬	Geospatial Data Extraction and Modeling	U	A	S	3	1-40,2-30,4-30	3	Department of Forestry	2016-S2 newly added
永續休閒管理	Sustainable Leisure Management	U	A	S	2	4-100	2	Department of Forestry	2014-S1 newly added

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Course Chinese	Course English Name		annin (See			Corresponding	Sugges- ted	Offering	
Name		1	2	3	4	core competency No.	grade level	department	Notes
			Ele	ective	Cour	ses			
林木分子遺傳與 育種	Molecular Genetics and Breeding of Forest Trees	U	A	S	3	3-100	3	Department of Forestry	2015-S2 update name
木材化學及實驗	Wood Chemistry with Lab	U	AB	S	3	5-100	3	Department of Forestry	2012-S1 addition
木材物理及力學	Wood Physics and Mechanics	U	A	S	2	5-100	3	Department of Forestry	2012-S1 addition
森林環境學實習	Lab of Environmental Science in Forest	U	В	S	1	1-20,2-40,3-40	2	Department of Forestry	2010-S1 update to elective
國家公園概論	Introduction to National Parks	U	В	S	2	1-20,2-60,4-20	4	Department of Forestry	2010-S1 newly added 2016-S1 limit to 12 pax
林產學	Forest Products Technology	U	A	S	3	5-100	4	Department of Forestry	•
森林測量學及實 習	Forest Surveying with Practice	U	AB	S	3	1-20,4-80	2	Department of Forestry	
木材組織學	Wood Anatomy	U	A	S	2	5-100	1	Department of Forestry	
木材成分之生化 特性與其生合成	Biochemistry and Biosynthesis of Wood Components	U	A	S	2	5-100	3	Department of Forestry	
測量學	Surveying	U	AB	Y	4	4-100	2	Department of Soil and Water Conservation	
林業經濟學	Forestry Economics	U	А	S	2	4-100	3	Department of Forestry	
林業行政管理	Forestry Administration	U	A	S	2	4-100	4	Department of Forestry	
育林學原理	Principles of Silviculture	U	A	S	2	3-100	3	Department of Forestry	
經濟學	Economics	U	A	S	3	1-100	1	Department of Applied Economics	
樹木學概論	Introduction to Dendrology	U	A	S	2	2-100	1	Department of Forestry	
樹木學實習	Dendrology Laboratory	U	В	S	1	2-100	2	Department of Forestry	
樹木生物力學	Biomechanics of Tree	U	A	S	2	1-10,5-100	4	Department of Forestry	
森林生態學實習	Practice of Forest Ecology	U	В	S	1	2-100	3	Department of Forestry	

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口泻甙貝诃尔	Course English Name		annin (See 2			Corresponding	Sugges-								
台灣觀賞樹木C	Drnamental Trees in	1	2			Corresponding core competency No.	ted	Offering	Notes						
口泻甙貝诃尔				3	4			department							
口泻甙貝诃尔		Elective Courses													
	aiwaii	U	A	S	2	2-80,3-20	3	Department of Forestry							
都市林業 U	Jrban Forestry	U	А	S	2	2-50,3-40,4-10	3	Department of Forestry							
演化生物學 E	Evolutionary Biology	U	А	S	3	2-100	3	Department of Forestry							
保育生物學 C	Conservation Biology	U	A	S	3	2-50, 4-50	1	Department of Forestry	2018-S1 update to 3 credits						
	Tropical Rain Forest Conservation	U	A	S	2	1-20,2-80	2	Department of Forestry							
	Overseas Study of Biological Conservation	U	С	S	1	1-20,2-80	4	Department of Forestry							
林木育種學 T	Free Breeding	U	А	S	2	3-100	3	Department of Forestry							
森林美學	Forest Esthetics	U	А	S	2	2-25,3-25,4-50	1	Department of Forestry							
森林保護學 F	Forest Protection	U	A	S	2	1-20,2-20,3-60	3	Department of Forestry							
林竹上城子貝蕨	ab of Forest Soil Science	U	В	S	1	1-20,3-80	2	Department of Forestry							
樹苗繁殖法 T	Free Propagation	U	A	S	2	3-100	3	Department of Forestry							
林木生理學實驗	ab of Tree Physiology	U	AB	S	2	3-100	2	Department of Forestry							
而不同而及夏日	Free Mycorrhiza with .ab	U	AB	S	3	3-100	2	Department of Forestry							
	Silviculture of Important Trees	U	A	S	2	3-100	4	Department of Forestry							
森林規劃 F	Forest Programming	U	А	S	2	1-10,4-90	4	Department of Forestry							
	orestry Database and Data Processing	U	A	S	2	4-100	4	Department of Forestry							
木材市場 T	Timber Marketing	U	A	S	2	5-100	4	Department of Forestry							
林尔尔就社名子	Forest Landscape Vlanagement	U	A	S	2	1-10,4-90	4	Department of Forestry							
	ntegrated Forest nventory and Monitoring	U	A	S	3	4-100	4	Department of Forestry							

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Course Chinese	Course English Name			g poi note)		Corresponding core competency No.	Sugges- ted	Offering	Notes
Name		1	2	3	4		grade level	department	
			Ele	ective	Cour	ses			
林政學	Forest Policy	U	A	S	2	4-100	4	Department of Forestry	
竹林經營法	Bamboo Forest Management	U	A	S	2	4-100	4	Department of Forestry	
森林生長收穫學	Forest Growth and Yield	U	А	S	3	4-100	4	Department of Forestry	
畢業論文	Thesis	U	С	Y	2	1-25,2-25,3-25,4- 25	4	Department of Forestry	
國際林業海外研 習	Overseas Study of International Forestry	U	С	S	1	1-25,2-25,3-25,4- 25	4	Department of Forestry	
林木結構與功能	Tree Structure and Function	U	А	S	1	4-100	4	Department of Forestry	
森林生物多樣性	Forest Biodiversity	U	А	S	2	1-10,2-70,3-10,4- 10	3	Department of Forestry	2019-S2 update to 2 credits
集水區的環境監 測與分析	Watershed Environmental Measurement and Interpretation	U	A	S	2	1-10,2-20,3-70	4	Department of Forestry	
大氣沈降與森林 生態系養分循環	Atmospheric Deposition and Forest Nutrient Cycling	U	A	S	2	1-10,2-20,3-70	4	Department of Forestry	
植物分類原理	Principles of Plant Taxonomy	U	А	S	3	2-100	3	Department of Forestry	
經濟樹木學各論	Dendrology of Economical Important Species	U	A	S	2	2-100	3	Department of Forestry	
臺灣特有植物概 論	Introduction to Endemic Plants in Taiwan	U	A	S	2	2-100	3	Department of Forestry	
植物地理學概論	Introduction to Phytogeography	U	A	S	2	2-100	3	Department of Forestry	
民俗植物學	Ethnobotany	U	А	S	2	1-20,2-80	3	Department of Forestry	
外來植物概論	Introduction to Alien Plants in Taiwan	U	А	S	2	1-10,2-90	3	Department of Forestry	
社會調查	Social Survey	U	А	S	2	4-100	4	Department of Forestry	

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Course Chinese	Course English Name			g poi note)		Corresponding core competency No.	Sugges- ted	Offering	
Name		1	2	3	4		grade level	department	Notes
			Ele	ective	Cour	ses			
自然保護區管理	Natural Protection Area Management	U	A	S	2	1-20,2-80	4	Department of Forestry	
森林與氣候變遷	Forest and Climate Change	U	А	S	2	1-20,2-30,3-20,4- 30	4	Department of Forestry	
林木資源經營	Timber Resources Management	U	A	S	2	4-100	4	Department of Forestry	
社區林業	Community Forestry	U	A	S	2	4-100	4	Department of Forestry	
地景生態學	Landscape Ecology	U	A	S	3	2-20,4-80	4	Department of Forestry	
生態旅遊	Ecotourism	U	A	S	2	1-20,4-80	3	Department of Forestry	
地球空間資訊系 統及製圖	Geo-spatial Information System and Map- making	U	A	S	3	4-100	2	Department of Forestry	
地球空間資料分 析及應用	Geo-spatial Data Analysis and Applications	U	A	S	3	4-100	4	Department of Forestry	
森林生態學概論	An Introduction to Forest Ecology	U	A	S	2	1-40,2-40,3-10,4- 10	1	Department of Forestry	Added in semester 2024-2
普通生物學	General Biology	U	A	S	3	1-100	1	Department of Life Sciences	2020-S1 update to elective 2021-M2 name change
普通化學實驗	Lab of General Chemistry	U	В	S	1	1-100	1	Department of Chemistry	
計算機概論	Introduction to Computer Science	U	A	S	3	1-100	1	Institute of Data Science and Information Computing	
農業概論	Introduction to Agriculture	U	A	S	2	1-100	1	College of Agriculture and Natural Resources	
地質學	Geology	U	A	S	3	1-100	1	Department of Soil and Environmental Sciences	
森林水文學	Forest Hydrology	U	A	S	2	1-100	3	Department of Soil and Water Conservation	
水土保持學	Soil and Water Conservation	U	A	S	2	1-100	2	Department of Soil and Water Conservation	

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Course Chinese			annin (See			Corresponding core competency No.	Sugges- ted grade level	Offering department	Notes
Name	Course English Name	1	2	3	4				
			Ele	ective	Cour	ses			
生物化學實習	Lab of Biochemistry	U	В	S	2	1-100	3	Department of Food Science and Biotechnology	
造園學	Introduction to Landscaping	U	A	S	3	1-100	3	Department of Horticulture	
樹病學	Forest Pathology	U	A	S	3	1-30,2-60,4-10	4	Department of Plant Pathology	
森林昆蟲學	Forest Entomology	U	AB	S	3	1-40,2-30,4-30	4	Department of Entomology	2022-M5 name change
真菌學	Mycology	U	AB	S	4	1-100	2	Department of Plant Pathology	
氣候學	Climatology	U	A	S	3	1-100	1	Department of Soil and Environmental Sciences	

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