

**Department of Forestry and Natural Resources , National Chiayi
University (Course MA, ECE)**

Academic Year 1			
Professional Courses :Required Courses			
Subject	Semester	Credit Hours	The Amount of Credit Hours
Guidance of Scientific Paper (I)	1	2.0	1
Seminar(I)	1	3.0	1
Guidance of Scientific Paper(II)	2	2.0	1
Seminar(II)	2	3.0	1
Sum			4
Professional Courses :Elective Courses			
Subject	Semester	Credit Hours	The Amount of Credit Hours
Introductory Forest Resources and Conservation in Taiwan	1	2.0	2
Sociology of Natural Resources	1	2.0	2
Special Topic of Forest Tree Mycorrhiza	1	2.0	2
Methodology for Social Science Study	1	2.0	2
Research Methods and Dissertation Writing	1	2.0	2
Biological Control of Insect Pest	1	2.0	2
Advanced Forest Tree Mycorrhiza	1	2.0	2
Advanced Forest Statistics	1	3.0	3
Advanced Forest Ecology	1	2.0	2
Advanced Dendrology	1	2.0	2
Plant Chemotaxonomy and Molecular Systematics	1	3.0	3
Research methods for plant community	1	2.0	2
Methodologies of Remote Sensing for Natural Resources	1	3.0	3
Digital Image Processing and Analysis	1	3.0	3
Advanced Tree Maintenance	1	3.0	3
KBVPOD	1	3.0	3
Distribution of Local Trees	2	2.0	2
Applied Multivariate Analysis	2	3.0	3
Spatial Data Analysis for Natural Resources	2	3.0	3

Management			
Natural Resources Law and Policy	2	2.0	2
Dynamics of Forest Stand	2	3.0	3
Community Forestry Research	2	3.0	3
Advanced Forest Physiological Ecology	2	2.0	2
Advanced Tree Disease Control	2	2.0	2
Advanced Plant Taxonomy	2	2.0	2
Plant Growth Regulators	2	2.0	2
Seed Ecology	2	2.0	2
Tree-Ring Analysis: Methodological, Biological and Environmental Aspects	2	2.0	2
Special Topics on Environmental Forestry	2	2.0	2
Environmental Policy Administration and Law	2	2.0	2
Environmental Philosophy and Ethics	2	2.0	2
Environment and Natural Resources	2	2.0	2
Sum			74
Sum of Year			78

Academic Year 2			
Professional Courses :Required Courses			
Subject	Semester	Credit Hours	The Amount of Credit Hours
Seminar(III)	1	3.0	1
Seminar(IV)	2	3.0	1
Sum of Semester			2
Professional Courses :Elective Courses			
Subject	Semester	Credit Hours	The Amount of Credit Hours
Ecosystem Management : Theory Approach and Applications	1	3.0	3
Independent Study on Silvicultural Techniques(I)	1	2.0	1
Independent Study on Tree Tissue Culture(I)	1	2.0	1
Forest Genetic Engineering	1	2.0	2
Independent Study on Social Science of Forest(I)	1	2.0	1
Advanced Forest Policy	1	2.0	2

Advanced Forest Economics	1	2.0	2
Advanced Modern Silviculture	1	2.0	2
Advanced Forest Ecosystem Management	1	2.0	2
International Environmental Politics	1	2.0	2
Independent Study on Forest Ecosystem Management(I)	1	2.0	1
Independent Study on Forest Plant Ecology(I)	1	2.0	1
Forest Resource Policy and Administration	1	2.0	2
Independent Study on Forest Resource Inventory and analysis (I)	1	2.0	1
Independent Study on Forest Natural Resources Policy (I)	1	2.0	1
Independent Study on Plant Diversity(I)	1	2.0	1
Environmental Conflict Management Leadership and Planning	1	2.0	2
Independent Study on Silvicultural Techniques(II)	2	2.0	1
Independent Study on Tree Tissue Culture(II)	2	2.0	1
Independent Study on Social Science of Forest(II)	2	2.0	1
Independent Study on Forest Ecosystem Management(II)	2	2.0	1
Independent Study on Forest Plant Ecology(II)	2	2.0	1
Independent Study on Forest Resource Inventory and analysis (II)	2	2.0	1
Independent Study on Forest Natural Resources Policy (II)	2	2.0	1
Independent Study on Plant Diversity(II)	2	2.0	1
Sum			35
Professional Courses : Thesis			
Subject	Semester	Credit Hours	The Amount of Credit Hours
Thesis	2	0.0	6
Sum			6
Sum of Year			43