

## National chiayi university

### Department of Biological Resources

#### The courses for master graduate student

#### Rules and Restrictions regarding courses and credits:

Total number of credits needed for graduation: 30,

Including Professional Compulsory credits: 6, Professional elective credits: 18, Thesis: 6.

#### Biological Resources Division

<b>Freshman</b>				
<b>Required</b>				
Course	Semester	Hours	Credits	Note
Advanced Biodiversity	1	2	2	
Seminar (I)	1	2	1	
Seminar (II)	1	2	1	
<b>Total credits of Professional Compulsory course</b>			4	
<b>selected</b>				
Molecular Evolution and Application	1	2	2	
Methodology of Ecology	1	2	2	
Advanced Molluscs	1	3	3	
Advanced Entomology	1	2	2	
Special Topics in Mycology	1	3	3	
Advanced Biostatistics	1	3	3	
Advanced Systematic Zoology	1	2	2	
Advanced Plant Taxonomy	1	2	2	
Advanced Utilization of Bioresources	2	2	2	
Application on Insect Resources	2	2	2	
Advanced Ecophysiology of Animals	2	3	3	
Special Topics in Wildlife Research	2	2	2	
Advanced Plant Anatomy	2	2	2	
Evolutionary Ecology	2	2	2	

<b>Total credits of Professional Elective course</b>	32	
<b>Total credits of the year</b>	36	

<b>Sophomore</b>				
<b>Required</b>				
Course	Semester	Hours	Credits	Note
Seminar (III)	1	2	1	
Seminar (IV)	2	2	1	
<b>Total credits of Professional Compulsory course</b>			2	
<b>selected</b>				
Ecology of Aquatic Insects	1	3	3	
Alien Species	1	2	2	
Special Topics in Molluscs	1	3	3	
Conservation Biology	1	2	2	
Conservation Genetics	1	2	2	
Special Topics on Plant Microtechniques and Microscopy	1	2	2	
Writing of Scientific Papers	1	2	2	
Aquatic Animal Culture	2	3	3	
Advanced Biopesticides	2	2	2	
Research and Management Techniques for Wild Life	2	2	2	
<b>Total credits of Professional Elective course</b>			23	
<b>Professional Compulsory Courses: thesis</b>				
Thesis	2	6	6	
<b>Total credits of thesis</b>			6	
<b>Total credits of the year</b>			31	

\* Name of elective courses may be changed with the technology transaction.

**Plant Medicine Division**

<b>Freshman</b>				
<b>Required</b>				
Course	Semester	Hours	Credits	Note
Advanced Plant Protection	1	2	2	
Seminar (I)	1	2	1	
Seminar (II)	1	2	1	
<b>Total credits of Professional Compulsory course</b>			4	
<b>selected</b>				
Methodology of Ecology	1	2	2	
Advanced Entomology	1	2	2	
Special Topics in Mycology	1	3	3	
Advanced Biostatistics	1	3	3	
Advanced Plant Pathology	1	2	2	
Plant Quarantine and Inspection Laws	1	2	2	
Advanced Utilization of Bioresources	2	2	2	
Advanced Biopesticides	2	2	2	
Special Topics on Biological Control of Insect Pests	2	2	2	
Plant Disease Epidemiology	2	2	2	
Advanced Plant Nematology	2	2	2	
Special Topics Insect Pest Management	2	3	3	
<b>Total credits of Professional Elective course</b>			27	
<b>Total credits of the year</b>			31	

<b>Sophomore</b>				
<b>Required</b>				
Course	Semester	Hours	Credits	Note
Seminar (III)	1	2	1	
Seminar (IV)	2	2	1	
<b>Total credits of Professional Compulsory course</b>			2	

<b>selected</b>				
Alien Species	1	2	2	
Special Topics on Integrated Pest Management	1	2	2	
Identification and Quarantine of Insect Pests	1	2	2	
Diagnosis and Quarantine of Plant Diseases	1	2	2	
Writing of Scientific Papers	1	2	2	
Identification of Insect Pests	1	2	2	
Advanced Insecticide Toxicology	2	2	2	
Pesticide and Toxicology	2	2	2	
Outbreak and Forecast of Insect Pests	2	2	2	
Special Topics on Weeds	2	2	2	
<b>Total credits of Professional Elective course</b>			20	
<b>Professional Compulsory Courses: thesis</b>				
Thesis	2	6	6	
<b>Total credits of thesis</b>			6	
<b>Total credits of the year</b>			28	

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