

**National Pingtung University of Science and Technology**  
**Department of Tropical Agriculture and International Cooperation**

**Curriculum Table of Ph.D. Program for Academic Year107-110**

Year	First Academic year				Second Academic year				T O T A L
Semester	First Semester		Second Semester		First Semester		Second Semester		
	Courses	credit	Courses	credit	Courses	credit	Courses	credit	
Required	Seminar	1	Seminar	1	Seminar	1	Seminar	1	
	Special Topics on Development Trends of International Agriculture	4	Applied Mandarin (2) - Foreign Students	1			Dissertation	12	
	Applied Mandarin (1) - Foreign Students	1	Special Topics on Agriculture Policies and Economics <sup>(2)</sup>	4					
Total	Foreign Students	6	Foreign Students	6	Foreign Students	1	Foreign Students	13	
	Local Students	5	Local Students	5	Local Students	1	Local Students	13	
Elective	Experimental Design and Data Analysis	2	Utilization and Production of Natural Resources	3	Advanced Scientific Writing	2	Population and Food	3	
	Advanced Olericulture	3	Special Topic of Transmission	3	Turf Physiology and Management	2	Special Research Project ( 2 )	1	
	Advanced Tropical Fruits Science	3	Electron Microscopy (TEM)	2	Regression Analysis	2			
	Advanced Floriculture	3	Scientific Research Methods	2	Orchidology	3			
	Molecular-based Diagnostic Techniques	2	Reproduction of dairy cattle	3	Lactation and Milking of Dairy Cattle	3			
	Enzyme and Protein Engineering	2	Forage Evaluation	3	Beef cattle production	2			
	Advanced Fish and Fisheries Biology	3			Grass for Dairy Cattle	2			
	Advanced Foundations in Entomology	3			Advanced Human Resource Management	2			
	Special Topics on Mycology	2			Special Research Project ( 1 )	1			
	Advanced Insect Pathology	3							
	Special Topics on Monogastric Animal Nutrition	3							
	Molecular Virology	2							
	Genetic Expression System	2							
	Theoretical Frameworks and Empirical Application in Rural Research	3							
	Total		36		14		19		4

Remark :

1. **PhD** students must complete a minimum of 30 credit hours to graduate:

<sup>1</sup>Local students: 20 credit hours in required courses (including 12 credit hours in thesis) and 10 credit hours in elective courses

<sup>1</sup>Foreign students: 22 credit hours in required courses (including 12 credit hours in thesis) and 8 credit hours in elective courses

<sup>2</sup>Choose one from 「 Special Topics on Development Trends of International Agriculture 」 and 「 Special Topics on Agriculture Policies and Economics 」