

Course Structure for Ph. D Program  
, Department of Mechatronic Technology  
National Taiwan Normal University

Adaptive to Class of	Required Credit(s)	Elective Credit(s)	Free Elective Credit(s)	Minimum Total Credits for Graduation
113	4.0	9.0	9.0	22.0

Note: The first alphabet "E" on the course name refers to the course in English as a medium of instruction

I. Required Courses: 4.0 credits are required

The credits of Seminar(I), (II), (III), (IV)

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
MTC8016	1 E Seminar (I)	1.0	1.0	0.0	
MTC8017	2 E Seminar (II)	1.0	1.0	0.0	
MTC8018	3 E Seminar (III)	1.0	1.0	0.0	
MTC8019	4 E Seminar (IV)	1.0	1.0	0.0	

II. Elective Courses: 0.0 credit is required

III. Courses Offered to Students in Different Divisions

Required Course, 0.0 credit is required

Elective Course: 9.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
MTC7001	1 E Precision Micro Manufacturing Engineering	3.0	3.0	0.0	
MTC9009	2 E Micro-Joining Engineering	3.0	3.0	0.0	
MTC8014	3 E Adaptive Control	3.0	3.0	0.0	
MTC8020	4 E Modern Control	3.0	3.0	0.0	

IV. Free Elective Credits: 9.0 credits are required