

**Course Structure for Ph. D Program**  
**Graduate Institute of Curriculum and Instruction**  
**National Taiwan Normal University**

Adaptive to Class of	Required Credit(s)	Elective Credit(s)	Free Elective Credit(s)	Minimum Total Credits for Graduation
111	6.0	21.0	9.0	36.0

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

### I. Required Courses: 6.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
ECD0001	1 Special Topics on Curriculum Theories	3.0	3.0	0.0	
ECD0002	2 Special Topics on Instruction Theories	3.0	3.0	0.0	

### II. Elective Courses: 21.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
<b>1 subjects of fundamental theories in education 3.0 credits are required</b>					
EDC0075	1-1 Studies in Educational Philosophy	3.0	3.0	0.0	
EDC0077	1-2 Studies in Educational Psychology	3.0	3.0	0.0	
EDC0157	1-3 Studies in Educational History	3.0	3.0	0.0	
EDC0076	1-4 Studies in Sociology of Education	3.0	3.0	0.0	
EDC0006	1-5 Studies in Educational Anthropology	3.0	3.0	0.0	
EDC0222	1-6 Critical Study in Selected English Educational Readings	3.0	3.0	0.0	
<b>2 research instruments and methods 6.0 credits are required</b>					
EDC0187	2-1 Narrative Research	3.0	3.0	0.0	
EDC0189	2-2 Discourse Analysis	3.0	3.0	0.0	
EDC0002	2-3 Methodology of Comparative Education	3.0	3.0	0.0	
EDC0195	2-4 Methods of Historical Research on Education	3.0	3.0	0.0	
EDC0212	2-5 Studies in Ethnography of Schooling	3.0	3.0	0.0	
ECC0027	2-6 Telecommunications and Educational Research	3.0	3.0	0.0	
ECC0009	2-7 Design and Practice of Meta-Analysis	3.0	3.0	0.0	
EDD0001	2-8 Methodology of Pedagogy	3.0	3.0	0.0	
EDD0109	2-9 Special Topics on Qualitative Research Methodology	3.0	3.0	0.0	
EDD0155	2-10 Special Topics on Quantitative Research Methodology	3.0	3.0	0.0	
E0C8008	2-11 E Categorical Analysis	3.0	3.0	0.0	
E0C8002	2-12 E Advanced Educational Statistics (B)	3.0	3.0	0.0	
E0C8004	2-13 Multivariate Analysis Statistics	3.0	3.0	0.0	
<b>3 specialized-elective courses 12.0 credits are required</b>					
ECC8005	3-1 Studies in Gender and Technology	3.0	3.0	0.0	
ECC0017	3-2 Studies in Innovation of Curriculum	3.0	3.0	0.0	
ECC0018	3-3 Studies in Curriculum Evaluation	3.0	3.0	0.0	
ECC0019	3-4 Studies in Curriculum Governance	3.0	3.0	0.0	
ECC0021	3-5 Studies in Comparative Curriculum	3.0	3.0	0.0	
ECC0020	3-6 Studies in School-Based Curriculum Development	3.0	3.0	0.0	
ECC0022	3-7 Studies in Textbook and Curriculum Materials	3.0	3.0	0.0	
ECC0023	3-8 Studies in Emerging Issues in Curriculum and Instruction	3.0	3.0	0.0	
ECC8004	3-9 Studies in Learning Sciences	3.0	3.0	0.0	
ECC0024	3-10 Studies in Curriculum and Instruction of Content Area Reading	3.0	3.0	0.0	
ECC8002	3-11 Constructivism in Curriculum and Instruction	3.0	3.0	0.0	
ECC8001	3-12 The Application of Affective Education on Curriculum and Instruction	3.0	3.0	0.0	
ECC8003	3-13 Studies in Instructional Assessment	3.0	3.0	0.0	
ECC8007	3-14 Studies in Teacher Teaching	3.0	3.0	0.0	
ECC8006	3-15 Studies in Culturally Responsive Teaching and Multicultural Curriculum	3.0	3.0	0.0	
ECD0015	3-16 Special Topics on Curriculum History	3.0	3.0	0.0	
ECD0014	3-17 Special Topics on Knowledge and Curriculum	3.0	3.0	0.0	
ECD0006	3-18 Special Topics on Teacher Professional Development	3.0	3.0	0.0	
ECD0017	3-19 Special Topics on Academic Motivation and Instruction	3.0	3.0	0.0	

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
ECD0009	3-20 Special Topics on Multicultural Curriculum and Instruction	3.0	3.0	0.0	

III. Free Elective Credits: 9.0 credits are required