

National Chiayi University Department of Education Doctoral Program

I. Educational Objectives

1. To gain extensive and specialized knowledge of academic research in education
2. To deepen ability to independently and skillfully conduct academic research in education.
3. To develop a reflective and critical spirit in relation to academic research in education.
4. To be able to integrate research and praxis into educational practice.

II. Core Skills

1. Knowledge and Awareness of localized thinking and globalized vision.
2. Outstanding knowledge and awareness of specialist research in education.
3. Outstanding ability and awareness of educational theory and its application in practice.
4. Outstanding knowledge and awareness of curriculum and instruction theory and practice.
5. The ability to engage in high level educational administration and enterprise management.
6. The ability to be reflective and dedicated, with strong communicative and leadership skills.
7. The ability to exhibit rational and logical thought, to respect multicultural values and to show humanitarian concern.

III. Index of core competencies

- 1.1 High level ability to independently and proactively explore Taiwan's local educational practice and policy orientation.
- 1.2 High level ability to independently and proactively explore important international educational issues, and development trends.
- 1.3 High level ability to independently apply global vision to reflect on local educational problems.
- 2.1 Outstanding ability to independently and proactively discover and explore educational problems.
- 2.2 Outstanding ability to apply all kinds of educational research paradigms.
- 2.3 To demonstrate the correct concepts and attitudes for engaging in profound educational research.
- 3.1 Mastery of the basic theories of educational philosophy and their application in practice.
- 3.2 Mastery of the basic theories of educational sociology, and their applications in practice.
- 3.3 Mastery of the basic theories of educational psychology, and their applications in practice.
- 3.4 Mastery of the basic theories of multiculturalism, and their applications in practice.
- 4.1 Mastery of the theory and practice of curriculum design and implementation.
- 4.2 Mastery of the theory and practice of instructional design and strategies.
- 4.3 Mastery of the theory and practice of curriculum integration and design.
- 4.4 Mastery of the theory and practice of curriculum evaluation and instructional assessment.
- 5.1. High level specialist ability in the theory and practice of educational administration

leadership and planning.

5.2 High level specialist ability in the theory and practice of educational administration communication and management.

5.3 High level specialist ability in the theory and practice of educational administration management and evaluation

5.4 High level specialist ability in the theory and practice of educational enterprise administration and management.

6.1 The ability to reflect on educational practice and research.

6.2 The capacity to dedicate oneself to educational research and practice.

6.3 The ability to communicate ideas about educational research and practice.

6.4 The ability to practice educational leadership.

6.5 The ability to cooperate with others in educational practice.

7.1 The ability to engage in rational and logical thinking.

7.2 The ability to respect multicultural values.

7.3 The ability to show humanitarian concerns.

IV. Curriculum structure and credits required for graduation

In order to graduate, students must complete 36 credits, including:

1. Two credits of required courses
2. At least two credits from all-group courses on educational research tools and methods.
3. At least three credits of all-group courses in basic educational studies.
4. At least 12 credits in specialist elective courses for the student's own group.
5. Four credits of independent research (required).
6. Dissertation (six credits)
7. Remaining credits can be made up courses freely chosen by the student.

Credits required for graduation:

Educational theory group

Students are required to complete 36 credits, including six credits of specialist required courses, 24 credits of specialist elective courses, and a dissertation for six credits.

Curriculum and instruction group

Students are required to complete 36 credits, including six credits of specialist required courses, 24 credits of specialist elective courses, and a dissertation for six credits.

Educational administration and enterprise management group

Students are required to complete 36 credits, including six credits of specialist required courses, 24 credits of specialist elective courses, and a dissertation for six credits.

V. Additional Explanations:

1. Students are required to attend the activity courses conducted by this institute. These courses do not count towards graduation credits, but evidence of satisfactory participation must be provided and passed before an oral defense examination can be held.
2. The semesters in which courses are offered can be adjusted in accordance with school regulations and student requirements.
3. Graduate students who enroll for the entrance test using an equivalent academic qualification, or who do not have a background in education studies, should discuss with their advisor which basic courses they need to take after commencing studies. They should take at least two courses from Introduction to Education, Educational Psychology, Educational Sociology and Educational Philosophy. However, students who have already served for one year or more as teachers in government elementary or secondary schools, can waive the requirement to take basic education classes, even if they do not have a background in Educational Studies. For more detailed information on regulations please see this department's "Coursework Guidelines" for master's and doctoral students.

Academic Year 1					
Course Category: Specialist Required Course					
Course Name	Sem-ester	Class Hours	Credits	Comment	Core abilities index item number
教育研究方法學Methodology in Educational Research	1	2.0	2	A	2, 6
Subtotal for Specialist Required Courses			2		
Course Category: Specialist Elective Courses					
Course Name	Sem-ester	Class Hours	Credits	Comment	Core abilities index item number
教育心理學專題研究Seminar in Psychology of Education	1	3.0	3	B	1, 3, 6
教育哲學專題研究Seminar in Philosophy of Education	1	3.0	3	B	1, 3, 6
測驗理論與量表編製專題研究Seminar in Test Theories and Scale Construction	1	2.0	2	C	2, 4
對偶資料分析Seminar in Analysis of Dyads Variables	1	2.0	2	C	2
教育史專題研究Seminar in History of Education	2	3.0	3	B	1, 3, 6, 7
教育社會學專題研究Seminar in Sociology of Education	2	3.0	3	B	1, 3, 7
量的專題研究Seminar in Quantitative Research	2	2.0	2	C	2, 3

質的專題研究 Seminar in Qualitative Research	2	2.0	2	C	2, 3
Subtotal for Specialist Elective Courses			20		
Subtotal for Academic Year			22		

**Elective course names may change in line with trends in technology.*

Academic Year 3					
Course Category: Specialist Required Courses					
Course Name	Sem-ester	Class Hours	Credits	Comment	Core abilities index item number
獨立研究 (I) Independent Study (I)	1	2.0	2	M	2, 7
獨立研究 (II) Independent Study (II)	2	2.0	2	L, M	2, 7
Subtotal for Specialist Required Courses			4		
Course Category: Specialist Elective					
Course Name	Sem-ester	Class Hours	Credits	Comment	Core abilities index item number
畢業論文 Dissertation	1	3.0	3		2, 6, 7
畢業論文 Dissertation	2	3.0	3	L	2, 6, 7
Dissertation Subtotal			6		
Academic Year Subtotal			10		

**Elective course names may change in line with trends in technology.*

Teaching Group: Educational Theory Group

Academic Year 1					
Course Category: Specialist Elective Courses					
Course Name	Sem- ester	Class Hours	Credits	Com- ment	Core abilities index item number
台灣教育史專題研究Seminar in History of Taiwanese Education	1	3.0	3	E.K	1, 3, 6, 7
台灣教育改革專題研究Seminar in Taiwanese Education Reform	1	3.0	3	E	1, 2, 6
多元文化教育專題研究Seminar in Multicultural Education	1	3.0	3	K	1, 3, 6, 7
西洋教育思想史專題研究Seminar in History of Western Educational Thought	1	3.0	3	E.K	1
批判思考與教育專題研究Seminar in Critical Thinking and Education	1	3.0	3	E.K	1, 3, 6, 7
杜威教育哲學專題研究Seminar in John Dewey's Philosophy of Education	1	3.0	3	E.K	3, 7
性別教育專題研究Seminar in Gender Education	1	3.0	3	G.K	1, 6, 7
社會建構取向心智發展與教學專題研究Seminar in Mind Development and Instruction of Social Construction	1	3.0	3	F.K	2, 3, 6
品格學習、教學與評量專題研究Seminar in Learning, Instruction and Assessment of Character Education	1	3.0	3	F.K	4, 5
教育心理計量與資料分析應用Psychometric and Data Analysis Application in Educational Psychology	1	3.0	3	D	2, 7
教育政治學專題研究Seminar in Politics of Education	1	3.0	3	G.K	1, 2, 5
教育與心理測驗專題研究Seminar in Education and Psychological Test	1	3.0	3	F.K	2, 3, 7
量表發展與量化研究Scale Development and Quantitative Research	1	3.0	3	D	2
當代思潮與教育專題研究Seminar in Contemporary Theories and Education	1	3.0	3	E	3
學習心理學專題研究Seminar in Psychology of Learning	1	3.0	3	F	2, 3
中國教育思想史專題研究Seminar in History of Chinese Educational Thought	2	3.0	3	E	3
古典與當代測驗理論專題研究Seminar in Classical and Modern Test Theory	2	3.0	3	F	2, 7
多變項分析Multivariate Analysis	2	3.0	3	D	2, 7

自我調節學習、教學與評量專題研究Seminar in Self-Regulated Learning, Instruction and Assessment	2	3.0	3	F, K	3, 4, 6
社會學理論與教育專題研究Seminar in Sociological Theories and Education	2	3.0	3	G, K	3
美國近代教育改革史專題研究Seminar in Contemporary History of American Education Reform	2	3.0	3	E	1, 3
國際比較教育專題研究Seminar in International and Comparative Education	2	3.0	3	G, K	1, 2, 7
教育美學專題研究Seminar in Aesthetics and Education	2	3.0	3	E, I	3
教育理論與實務辯證專題研究Seminar in the Dialectic Study between Educational Theory and Practice	2	3.0	3	E, K	3, 6, 7
教學評量專題研究Seminar in Teaching Assessment	2	3.0	3	F	4
統計電腦套裝軟體應用Application of Statistical Computer Packages	2	3.0	3	D	2, 7
當代倫理議題與教育專題研究Seminar in Contemporary Ethical Issues and Education	2	3.0	3	E	1, 2
實驗設計Experimental Design	2	3.0	3	D	2, 7
Subtotal for Specialist Elective Courses			84		
Subtotal for Academic Year			84		

**Elective course names may change in line with trends in technology.*

Academic Year 2					
Course Category: Specialist Elective					
Course Name	Sem-ester	Class Hours	Credits	Com-ment	Core abilities index item number
人權議題與教育專題研究Seminar in Human Rights Issues and Education	1	3.0	3	E	1, 3, 7
文化與教育專題研究Seminar in Culture and Education	1	3.0	3	G, K	1, 3, 7
田野調查與寫作Fieldwork and Writing	1	3.0	3	D	1, 2
知識論與教育專題研究Seminar in Epistemology and Education	1	3.0	3	E	3, 6
後現代與教育社會心理學專題研究Seminar in Postmodernism and Social Psychology of Education	1	3.0	3	F	2, 3
後現代與教育專題研究Seminar in Postmodernism and Education	1	3.0	3	E	2, 3
國民教育改革專題研究Seminar in Compulsory Educational Reform	1	3.0	3	G	1, 2, 3

教育方法論之哲學議題探討Philosophical Issues in Educational Methodology	1	3.0	3	D	3
結構方程模式Seminar in Structural Equation Modeling	1	3.0	3	D	2, 7
道德教育專題研究Seminar in Moral Education	1	3.0	3	E	1, 3, 6
學習理論與教學應用專題研究Seminar in Learning Theory and Instructional Application	1	3.0	3	F, K	2, 3, 6
鷹架學習理論與教學評量專題研究Seminar in Scaffolding Learning and Instructional Assessment	1	3.0	3	F, K	3, 4
幼稚園到高等教育教室俗民誌研究與寫作Classroom Ethnography and Writing in K-College	2	3.0	3	D	1, 2
全球化與教育專題研究Seminar in Globalization and Education	2	3.0	3	G, K	1, 2
長期追蹤專題研究Seminar in Longitudinal Study	2	3.0	3	D	2
高等教育哲學專題研究Seminar in Philosophy of Higher Education	2	3.0	3	E	2, 3, 7
高層心智發展與學習專題研究Seminar in Higher-order Mental Development and Learning	2	3.0	3	F, K	2, 3
動態評量專題研究Seminar in Dynamic Assessment	2	3.0	3	F, K	2, 4
教育名著專題研究Seminar in Educational Classics	2	3.0	3	G, K	2, 3
符號學與教育專題研究Seminar in Semiology and Education	2	3.0	3	E	3, 7
階層線性模式Hierarchical Linear Modeling	2	3.0	3	D	2, 7
解構主義與教育專題研究Seminar in Deconstructionism and Education	2	3.0	3	E	2, 3, 7
學習、教學與評量專題研究Seminar in Learning, Instruction and Assessment	2	3.0	3	F, K	2, 4
學習評量專題研究Seminar in Learning Assessment	2	3.0	3	F, K	2, 4
類別資料分析專題研究Seminar in Categorical Data Analysis	2	3.0	3	D	2, 7
Subtotal for Specialist Elective Courses			75		
Subtotal for Academic Year			75		

**Elective course names may change in line with trends in technology.*

Teaching Group: Curriculum and Instruction Group

Academic Year 1					
Course Category: Specialist Elective Courses					
Course Name	Sem-ester	Class Hours	Credits	Com-ment	Core abilities index item number
幼兒教育機構教育方案專題研究Seminar in Educational Program of Early Childhood Organization	1	3.0	3	I	2, 4
幼兒發展專題研究Seminar in Children's Development	1	3.0	3	I	2, 4
幼兒課程理論專題研究Seminar in Curriculum Theories of Early Childhood Education	1	3.0	3	I	2, 4
自然與生活科技領域課程與教學專題研究Seminar in Curriculum and Instruction of Natural Science and Life Technology	1	3.0	3	H, K	2, 4
家庭教育專題研究Seminar in Family Education	1	3.0	3	J	2, 4
家庭教育教學理論與實務專題研究Seminar in the Theories and Practice of Family Educational Instruction	1	3.0	3	J	2, 4
家庭教育課程理論與實務專題研究Seminar in the Theories and Practice of Family Education Curriculum	1	3.0	3	J	2, 4
教學科技理論與實務專題研究Seminar in Theories and Practice of Instructional Technology	1	3.0	3	H	2, 4, 7
教學理論與策略專題研究Seminar in Teaching Theories and Strategies	1	3.0	3	H	2, 3, 4
數學領域課程與教學專題研究Seminar in Curriculum and Instruction of Mathematics	1	3.0	3	H, K	2, 4
學校本位課程專題研究Seminar in School-Based Curriculum	1	3.0	3	H	1, 2, 4
學習型家庭課程理論與設計專題研究Seminar in the Theories and Design of Curriculum for Learning Style Family	1	3.0	3	J	2, 4
藝術與人文領域課程與教學專題研究Seminar in Curriculum and Instruction of Arts and Humanities	1	3.0	3	H, K	2, 4
幼兒文學專題研究Seminar in Children's Literature	2	3.0	3	I	2, 4
幼兒動作教育專題研究Seminar in Movement Education of Young Children	2	3.0	3	I	2, 4
幼兒教學理論專題研究Seminar in Instructional Theories of Early Childhood Education	2	3.0	3	I	2, 4

社會領域課程與教學專題研究Seminar in Curriculum and Instruction of Social Studies	2	3.0	3	H, K	2, 4
家庭倫理教育專題研究Seminar in Family Ethical Education	2	3.0	3	J	2, 4
健康與體育領域課程與教學專題研究Seminar in Curriculum and Instruction of Health and Physical Education	2	3.0	3	H, K	2, 4
綜合活動領域課程與教學專題研究Seminar in Curriculum and Instruction of Integrated Activities	2	3.0	3	H, K	2, 4
語文領域課程與教學專題研究Seminar in Curriculum and Instruction of Language Arts	2	3.0	3	H, K	2, 4
課程社會學專題研究Seminar in Sociology of Curriculum	2	3.0	3	H	2, 3, 4
課程理論與實務專題研究Seminar in Curriculum Theories and Practice	2	3.0	3	H	2, 4
課程經營專題研究Seminar in Curriculum Management	2	3.0	3	H	2, 4
學校家庭教育專題研究Seminar in Family Education in School	2	3.0	3	J	2, 4
親職教與學互動關係之專題研究Seminar in the Interaction of Parental Teaching and Learning	2	3.0	3	J	2, 4
Subtotal for Specialist Elective Courses			75		
Subtotal for Academic Year			75		

**Elective course names may change in line with trends in technology.*

Academic Year 2					
Course Category: Specialist Elective Courses					
Course Name	Sem- ester	Class Hours	Credits	Com- ment	Core abilities index item number
幼兒教育專題研究Seminar in Selected Topics Early Childhood Education	1	3.0	3	I	2, 4
幼兒語文教育專題研究Seminar in Language Education for Young Children	1	3.0	3	I	2, 4
幼兒課程發展與教育政策變革專題研究Seminar in Curriculum Development and Policy Reform of Early Childhood Education	1	3.0	3	I	2, 4
家庭教育課程發展與設計專題研究Seminar in Curriculum Development and Design of Family Education	1	3.0	3	J	2, 4
家庭資源管理與教育專題研究Seminar in the Management and Education of Family Resources	1	3.0	3	J	2, 4

創造性幼兒遊戲器材專題研究 Seminar in Creative Play Materials in Early Childhood Education	1	3.0	3	I	2, 4, 7
認知與教學心理學專題研究 Seminar in Cognitive and Instructional Psychology	1	3.0	3	H	2, 3, 4
潛在課程專題研究 Seminar in Implicit Curriculum	1	3.0	3	H, K	4
課程決策與分析專題研究 Seminar in Curriculum Policy and Analysis	1	3.0	3	H	2, 4
課程統整專題研究 Seminar in Curriculum Integration	1	3.0	3	H	2, 4
課程評鑑專題研究 Seminar in Curriculum Evaluation	1	3.0	3	H	2, 4
學習理論與策略專題研究 Seminar in Learning Theories and Strategies	1	3.0	3	H	1, 4
親密關係與婚姻課程專題研究 Seminar in Intimate Relationships and Marital Curriculum	1	3.0	3	J	7
幼兒社會領域教育專題研究 Seminar in Social Studies for Young Children	2	3.0	3	I	2, 4
幼兒學習與評量專題研究 Seminar in Teaching and Assessment in Early Childhood Education	2	3.0	3	I	2, 4
全球化與課程政策專題研究 Seminar in Globalization and Curriculum Policy	2	3.0	3	H	1, 4
各國課程比較專題研究 Seminar in Comparison of Curriculum in Different Countries in the World	2	3.0	3	H	2, 7
多元文化幼兒教育專題研究 Seminar in Multicultural Early Childhood Education	2	3.0	3	I	1, 2, 7
科學教育課程與教學專題研究 Seminar in Curriculum and Instruction of Science Education	2	3.0	3	H	2, 4
英語教育課程與教學專題研究 Seminar in Curriculum and Instruction of English Language Education	2	3.0	3	H	2, 4
家庭性教育與課程專題研究 Seminar in Family's Sex Education and Curriculum	2	3.0	3	J	2, 4
家庭教育方案規劃與評鑑專題研究 Seminar in Family Education Project Planning and Evaluation	2	3.0	3	J	2, 5, 7
家庭溝通課程與教學專題研究 Seminar in Curriculum and Instruction of Family Communication	2	3.0	3	J	2, 4, 7
弱勢團體家庭教育專題研究 Seminar in Family Education for Disadvantaged Groups	2	3.0	3	J	2, 7
特殊教育課程與教學專題研究 Seminar in Curriculum and Instruction of Special Education	2	3.0	3	H	2, 4, 7

教學領導專題研究Seminar in Instructional Leadership	2	3.0	3	H	2, 4, 5
新住民文化與教學專題研究Seminar in New Immigrants' Culture and Instruction	2	3.0	3	H	2, 4
腦科學與教學專題研究Seminar in Brain Science and Teaching	2	3.0	3	H	4, 7
資訊融入幼兒教育專題研究Seminar in Information Integrated Early Childhood Education	2	3.0	3	I	2, 4
課程與教學另類評量專題研究Seminar in Alternative Assessment for Curriculum and Instruction	2	3.0	3	H	2, 4
Subtotal for Specialist Elective Courses			90		
Subtotal for Academic Year			90		

**Elective course names may change in line with trends in technology.*

Teaching Group: Educational Administration and Enterprise Management Group

Academic Year 1					
Course Category: Specialist Elective Courses					
Course Name	Sem- ester	Class Hours	Credits	Com- ment	Core abilities index item number
文教事業政策與法規專題研究Seminar in Policy and Law of Educational Enterprises	1	3.0	3	K	2, 5
教育行政計畫與決策專題研究Seminar in Administrative Planning and Decision-making in Education	1	3.0	3		1, 5, 7
教育行政專題研究Seminar in Administration of Education	1	3.0	3		2, 5, 6
教育政治學專題研究Seminar in Politics of Education	1	3.0	3		1, 5, 7
教育政策專題研究Seminar in Education Policy	1	3.0	3		1, 2, 6
學校經營專題研究Seminar in School Management	1	3.0	3		2, 5, 7
文教事業組織文化專題研究Seminar in Organizational Culture in Educational Enterprises	2	3.0	3	K	1, 5
文教事業經營專題研究Seminar in the Management of Educational Enterprises	2	3.0	3		2, 5, 7
出版事業經營理論與實務專題研究Seminar in Theory and Practice for the Management of Publishing Industry	2	3.0	3	K	5

校長評鑑專題研究Seminar in Principal' s Evaluation	2	3.0	3	K	2, 5, 6
校長學專題研究Seminar in Principalship	2	3.0	3	K	2, 5, 6
教育行政領導與溝通專題研究Seminar in Leadership and Communication of Educational Administration	2	3.0	3		5, 6
組織心理學專題研究Seminar in Organizational Psychology	2	3.0	3		2, 5
學校組織行為專題研究Seminar in Organizational Behaviors in School	2	3.0	3	K	2, 5, 6
學校創新經營專題研究Seminar in the Management of School Innovation	2	3.0	3	K	2, 5, 7
學校與社區關係專題研究Seminar in School and Community Relationships	2	3.0	3	K	2, 5, 6
Subtotal for Specialist Elective Courses			48		
Subtotal for Academic Year			48		

**Elective course names may change in line with trends in technology.*

Academic Year 2					
Course Category: Specialist Elective Courses					
Course Name	Sem-ester	Class Hours	Credits	Com-ment	Core abilities index item number
文教事業行銷專題研究Seminar in Marketing for Educational Enterprises	1	3.0	3	K	1, 5
國際組織與教育發展專題研究Seminar in International Organization and Educational Development	1	3.0	3		1, 5, 7
教育生態學專題研究Seminar in Ecology of Education	1	3.0	3	K	1, 2, 7
教育法規專題研究Seminar in Educational Law	1	3.0	3	K	2, 5
教育指標專題研究Seminar in Educational Index	1	3.0	3		1, 2, 5
教育評鑑與視導專題研究Seminar in Educational Evaluation and Supervision	1	3.0	3		2, 5
團體動力學專題研究Seminar in Group Dynamics	1	3.0	3		2, 6, 7
學校公共關係與行銷管理專題研究Seminar in Public Relations and Marketing Management in School	1	3.0	3		2, 5, 6
文教事業經營倫理專題研究Seminar in Ethics for Managing Educational Enterprises	2	3.0	3	K	1, 5

比較教育行政制度專題研究Seminar in Comparative Study on Educational Administration System	2	3.0	3		1, 2, 5
教育行銷專題研究Seminar in Educational Marketing	2	3.0	3		2, 5
教育財政專題研究Seminar in Educational Finance	2	3.0	3	K	2, 5
組織變革專題研究Seminar in Reform of Educational Organization	2	3.0	3		2, 5, 6
策略管理專題研究Seminar in Strategic Management	2	3.0	3		2, 5
補習班經營實務與策略專題研究Seminar in Practice and Strategies for Managing Cram Schools	2	3.0	3	K	5
課程與教學領導專題研究Seminar in Leadership on Curriculum and Instruction	2	3.0	3		2, 5, 6
學校創新與教學領導專題研究Seminar in School Innovation and Leadership in Teaching	2	3.0	3		1, 5, 6
Subtotal for Specialist Elective Courses			51		
Subtotal for Academic Year			51		

**Elective course names may change in line with trends in technology.*

Comment Explanations: (Please refer to these notes for explanation of the codes in the comments column)

- A. Common educational research tools and methods course – required for all groups.
- B. Common basic education studies course – one course out of four to be taken.
- C. Common educational research tools and methods course—one course out of four to be taken.
- D. Educational theory group, research tools and methods field.
- E. Educational theory group, educational philosophy field.
- F. Educational theory group, educational psychology field.
- G. Educational theory group, educational sociology and culture field.
- H. Curriculum and instruction group, general field.
- I. Curriculum and instruction group, early childhood education field.
- J. Curriculum and instruction group, family education field.
- K. Common course for master’s and doctoral students.
- L. Six credits awarded on completion.
- M. Required course for all groups. For teaching purposes, classes are taught in specialist groups.