



## DOCTOR OF PHILOSOPHY PROGRAM IN CURRICULUM AND INSTRUCTION

The program in Curriculum and Instruction is designed to develop professionals with innovative leadership to meet the needs of the 21<sup>st</sup> century. The program attracts educators who have the knowledge, intellectual disposition, professional skills, ethical sensibilities, and leadership potential to make a difference in their educational institutions and relevant stakeholders.

In particular, the Curriculum and Instruction faculty members are involved in a rich variety of research and professional development projects. Some are funded by the National Research Council of Thailand. Several faculty research findings were presented and well received at national and international conferences.

Additionally, the program has established academic networks with counterparts in Burapha University and Silpakorn University. Therefore, our doctoral students may benefit from sharing knowledge and experiences with these partnerships. Our academic community includes national experts serving as associate faculty members. Consequently, the program is flexible enough to accommodate the various needs and aspirations of our students.



## Objectives

This program provides an advanced professional education designed:

- To instill the qualities of morality, professional ethics, and academic leadership to cope with rapid movements in curriculum and instruction as a profession.
- To produce and improve new knowledge and apply it in a holistic approach for the advancement of the field.
- To be competent in advanced research and innovation activities, beneficial to creative educational development.

## Admission

In accordance with the Graduate School Rules and Regulations. The program committee reserves the rights to require more qualifications as deemed appropriate.

## Medium of Instruction

Thai and English

## Research Focus

- Innovations in Curriculum and Instruction
- Leadership in Curriculum and Instruction
- 21<sup>st</sup> Century Learning Skills
- Authentic Learning and Evaluation

## Requirement for Graduation

In accordance with the Graduate School Rules and Regulations.



# Doctor of Philosophy Program in Curriculum and Instruction

## ■ FACULTY OF EDUCATION

### Structure of the Program

#### 1. Credit Requirements. \*

Requirements	Option 1.1	Option 2.1	Option 2.2
Coursework	-	12	24
Core Courses	-	9	21
Electives	-	3	3
Required Non-credit Courses	7	7	10
Dissertation	48	36	48
<b>Total</b>	<b>48</b>	<b>48</b>	<b>72</b>

\* Minimum credits required.

#### 2. Core Courses

Requirements	Option 1.1		Option 2.1		Option 2.2	
	Course No.	Credits	Course No.	Credits	Course No.	Credits
Theoretical Foundations of Education	-	-	-	-	366511	3
Curriculum Theory and Curriculum Development	-	-	-	-	369501	3
Developing of Learning Management and Assessment	-	-	-	-	369502	3
Research for Curriculum and Instruction Development	-	-	-	-	369503	3
Social Context and Curriculum Development	-	-	393611	3	393611	3

Requirements	Option 1.1		Option 2.1		Option 2.2	
	Course No.	Credits	Course No.	Credits	Course No.	Credits
Science of Instructional Development	-	-	393612	3	393612	3
Research for Advanced Curriculum and Instruction Development	-	-	393613	3	393613	3
<b>Total</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>9</b>	<b>7</b>	<b>21</b>

### 3. Electives

Requirements	Option 1.1		Option 2.1		Option 2.2	
	Course No.	Credits	Course No.	Credits	Course No.	Credits
Theory of Curriculum and Instructional Evaluation	-	-	393621	3	393621	3
Selective Curriculum and Instructional Development	-	-	393622	3	393622	3
Curriculum and Instructional Development for Moral Development	-	-	393623	3	393623	3
Curriculum and Instruction Design and Development	-	-	393624	3	393624	3
Qualitative Methods for Curriculum and Instruction Development	-	-	393625	3	393625	3
Inclusive Curriculum and Learning Management Model Development	-	-	393626	3	393626	3
Innovation of Advanced Curriculum and Instructional Development	-	-	393627	3	393627	3
Curriculum and Instructional Development for Higher Thinking Development	-	-	393628	3	393628	3
<b>Total</b>	<b>-</b>	<b>-</b>	<b>8</b>	<b>≥3</b>	<b>8</b>	<b>≥3</b>

## 4. Required Non-credit Courses.

Requirements	Option 1.1		Option 2.1		Option 2.2	
	Course No.	Credits	Course No.	Credits	Course No.	Credits
Research Methodology Social Sciences	-	-	-	-	366513	3
Advanced Research Methodologies	390611	3	390611	3	390611	3
Seminar 1	393681	1	393681	1	393681	1
Seminar 2	393682	1	393682	1	393682	1
Seminar 3	393683	1	393683	1	393683	1
Regional Studies	393684	1	393684	1	393684	1
<b>Total</b>	<b>5</b>	<b>7</b>	<b>5</b>	<b>7</b>	<b>6</b>	<b>10</b>

## 5. Dissertation Credit Requirements.

Requirements	Option 1.1		Option 2.1		Option 2.2	
	Course No.	Credits	Course No.	Credits	Course No.	Credits
Dissertation 1	393691	3	393791	4	393891	3
Dissertation 2	393692	5	393792	6	393892	5
Dissertation 3	393693	10	393793	8	393893	10
Dissertation 4	393694	10	393794	8	393894	10
Dissertation 5	393695	10	393795	10	393895	10
Dissertation 6	393696	10	-	-	393896	10
<b>Total</b>	<b>6</b>	<b>48</b>	<b>5</b>	<b>36</b>	<b>6</b>	<b>48</b>

## Course Descriptions

### 366511 Theoretical Foundations of Education

3(3-0-6)

Role and importance of philosophy in education, philosophy of curriculum planning, instruction and assessment in education, foundation of psychology theories in learning and human development, educational psychology, guidance and counseling psychology, meaning and contents of educational sociology, roles of education to society, schools as social organizations, life-long education and role of education in globalization with emphasis on integration of the perspectives and the theories in education, and integration of knowledge of teaching.

### 366513 Research Methodology in Social Sciences

3(3-0-6)

Research definitions, characteristics, and goals; types and research processes; research problem determination; variables and hypothesis; research design; data collection; data analysis; proposal and research report writing; research evaluation; research application; ethics of researchers; and research techniques in social sciences.

### 366501 Curriculum Theory and Curriculum Development

3(3-0-6)

Curriculum theories, principles, and ideas with emphasis on curriculum designs; problems and trends in curriculum development; models of curriculum; and construction, implementation, evaluation, and curriculum renovation.

### 366502 Development of Learning Management and Assessment

3(2-2-5)

Principles and management of child-centered learning; learning theories; selection of models; methods and techniques in learning management; analysis of learner's learning styles including design of learning activities; using learning resources and ideas for writing course syllabus and lesson plans focusing on cognitive, affective, and psychomotor domains; integrated instructions; instructional implementation; remedial teaching;



principles and techniques of instructional assessment; design and implementation of educational assessment instruments; authentic assessment; performance evaluation; formative and summative evaluation; and leading evaluated results to use in learning development and child-centered instructional development.

### 366503 Research for Curriculum and Instruction Development 3(2-2-5)

Research methodologies in curriculum and instruction, research planning and research proposal writing, construction and design of research tools, curriculum and instruction research innovation, data collection, data analysis and interpretation, conclusion, dissension, and recommendations for further curriculum and instructional development.

### 390611 Advanced Research Methodology 3(3-0-6)

Philosophical foundations, epistemology and logical principles in research inquiry and in drawing conclusions from research results, research designs, advanced data analysis techniques, weaknesses and strengths in different types of research, and multidisciplinary research.

### 393611 Social Context and Curriculum Development 3(2-2-5)

Analytical studies of the changing social contexts that lead to curriculum and instructional development; fundamental knowledge in philosophy, sociology, psychology, social philosophy, culture, political systems, economic systems, human resource development, science, and technological systems; study and discussion of societal and cultural conflicts; science and technology growth; future curriculum and instruction; theories, principles, and approaches in science and curriculum development; congruency, relevancy, and continuity of curricula of different levels; processes in curriculum development, implementation, and assessment; and research and development.

**393612 Science of Instructional Development****3(2-2-5)**

Concepts and paradigms of learning and instruction; theories and principles of learning and instruction; factors, models, and processes in developing instructional theory and system; characteristics of learners and the goals of learning in the modern world; instructional and learning processes in the modern world; and principles, approaches, and processes in instructional research and development.

**393613 Research for Advanced Curriculum and Instructional Development****3(2-2-5)**

Fundamentals of research and development; research and development methodologies for advanced curriculum and instructional development; research planning and proposal writing; design and construction of research tools; curriculum and instructional innovation in research; data collection; data analysis and interpretation; and conclusion, dissension, and suggestion for further curriculum and instructional development.

**393621 Theory of Curriculum and Instructional Evaluation****3(3-0-6)**

Concepts and paradigms of curriculum and instructional measurement and evaluation, philosophy of evaluation, theories and models of curriculum and instructional evaluation, theories and practices in curriculum and instructional evaluation for quality assurance, and development of models for curriculum and instructional evaluation.

**393622 Selective Curriculum and Instructional Development****3(2-2-5)**

Philosophy of selective educational management, learning theories and principles for selective education used in Thailand and other countries, analysis and processes of selective curriculum and instructional research, and research and development in selective curriculum and instruction.

### 393623 Curriculum and Instructional Development for Moral Development (3-0-6)

Goals of educational management for moral development, analytical study in documentaries and resources concerning curriculum and instruction for formal development in Thailand and other countries, in-depth analysis and study of the moral-self and target group development, and action research for curriculum and instructional development to enhance morality.

### 393624 Curriculum and Instructional Design and Development 3(2-2-5)

Concepts and paradigms of curriculum design and development, curriculum models, contextual curriculum, theories and principles of learning management, analysis of research in curriculum and instruction, and practices in curriculum and instruction at any levels.

### 393625 Qualitative Methods for Curriculum and Instruction Development 3(2-2-5)

Techniques, methods and practices of qualitative research for problem solving in curriculum and instructional development, implementation of field research techniques, participatory action research and focus group in curriculum and instruction, and the analysis of the results of the techniques.

### 393626 Inclusive Curriculum and Learning Management Model Development 3(2-2-5)

Documentary, analytical studies, and case studies in curriculum and instruction with emphasis in learning management model development in Thailand and other countries; and curriculum development for learning management with emphasis on model development.

### 393627 Advanced Innovation of Curriculum and Instructional Development 3 (2-2-5)

Concepts and paradigms of alternative curriculum and instruction in all types of education: formal, non-formal, informal, private, and e-learning systematic education; and principles and approaches in the development of advanced innovation of curriculum and instruction.

### 393628 Curriculum and Instructional Development for Higher Order Thinking Development 3(2-2-5)

Theories and principles of thinking and thinking process development, meaning and components of higher order thinking, studies related to the development of higher order thinking, development of higher order thinking for students in the 21st century, higher order thinking evaluation, and practicum in curriculum and instruction research for developing higher order thinking.

### 393681 Seminar I 1(0-2-1)

Language skills for advanced education, analysis of the roadmap for educational research of the nation, searching documents and curriculum dealing with instructional dissertations for discussion and critique, and identifying research problems and conceptual framework.

### 393682 Seminar II 1(0-2-1)

Seminar on advanced research methodologies; designing complex research; constructing various types of research instruments for advanced curriculum and instructional development; principles and results of quantitative and qualitative methods of data collection; quantitative and qualitative data analysis; summarizing, interpreting, arranging, and participating in curriculum and instruction development seminar(s) at the national level.

**393683 Seminar III****1(0-2-1)**

Seminar on how to write good research reports, how to correct research reports, how to publish research findings in articles and research seminars at national and international levels, practice in writing academic research articles in Thai and in English, practice in giving oral presentations on advanced academic and research related to students' educational field with effective delivery in English, and arranging and participating in national or international seminar(s) to present research findings after research completion or after some progress in research.

**393684 Regional Studies****1(0-2-1)**

Extensive study of curriculum and instruction based on societal, cultural, economic, and political contexts of any regions both in Thailand and foreign countries; writing a conclusion; and discussing and writing an academic article.

**393691 Dissertation I, Option 1.1****3 credits****393691 Dissertation I, Option 2.2**

Preliminary study and reading; intensive reading in advanced curriculum and instructional research and development trends; studying advanced research related to curriculum and development; research title based on creativity, body of knowledge, and/or construction of curriculum and instructional innovation which can be applied to the country's educational development; and presenting the conceptual framework.

**393692 Dissertation II, Option 1.1****5 credits****393692 Dissertation II, Option 2.2**

Writing a research proposal, completing the first draft of the proposal, submitting it to the chair of the supervisory committee, rewriting the research proposal, and resubmitting it to the committee chair.

393693 Dissertation III, Option 1.1

10 credits

393693 Dissertation III, Option 2.2

Submitting the draft of the research proposal for committee appointment, presenting the proposal to the examination committee, and revising the proposal as required.

393694 Dissertation IV, Option 1.1

10 credits

393694 Dissertation IV, Option 2.2

Submitting the examined research proposal, announcement of committee members, and developing research innovation and instruments.

393695 Dissertation V, Option 1.1

10 credits

393695 Dissertation V, Option 2.2

Collecting research data; analyzing data; and writing research results, summary, discussion, and recommendation.

393696 Dissertation VI, Option 1.1

10 credits

393696 Dissertation VI, Option 2.2

Submitting the completed draft of the dissertation to the committee chair, rewriting the draft of the dissertation previously submitted, submitting the corrected and revised dissertation to the Graduate School for oral examination, revising the dissertation, and submitting the completed dissertation to the Graduate School.

393791 Dissertation I, Option 2.1

4 credits

Preliminary study and reading; intensive reading in advanced curriculum and instructional research and development trends; studying advanced research related to curriculum and development; research title based on creativity, body of knowledge, and/or construction of curriculum and instructional innovation which can be applied to the country's educational development; and presenting the conceptual framework.

**393792 Dissertation II, Option 2.1****6 credits**

Writing a research proposal, completing the first draft of the proposal, submitting to the chair of the supervisory committee, rewriting the research proposal, and resubmitting it to the committee chair.

**393793 Dissertation III, Option 2.1****8 credits**

Submitting the completed draft of the dissertation to the committee chair, presenting the research proposal to the examination committee, revising the proposal, submitting the examined proposal for approval and announcement, and developing innovation and research instruments.

**393794 Dissertation IV, Option 2.1****8 credits**

Collecting research data, analyzing data, and writing the research results, summary, discussion, and recommendation.

**393795 Dissertation V, Option 2.1****10 credits**

Submitting the completed draft of the dissertation to the committee chair, rewriting the draft of the dissertation previously submitted, submitting the corrected and revised dissertation to the Graduate School for oral examination, revising the dissertation, and submitting the completed dissertation to the Graduate School.