



Introduction to MTP5105

Course Title: Philosophy and Mathematics Curriculum Development

Requirement Course: Cluster in International Teaching Profession .

Lecturers: Assoc.Prof.Chaweewan Kaewsaiha
Dr.Boonthong Boontawee

Objectives

- (1) Able to analyze mathematics curriculum, the content of each objective so that instructional strategies match content and assessment;
- (2) Able to improve and develop diverse curricula based on providing appropriate educational experiences at the appropriate level to ensure maximum student achievement;

Objectives (cont.)

(3) Able to evaluate curriculum both before and after implementation include scope and sequence, objectives to be taught, assessments, aligned resources, time frame and instructional strategies;

(4) Able to establish curriculum using a standard-based approach derived from institutions, communities, and national needs.

Essence of Knowledge

- (1) Philosophy, concepts and theory of education;
- (2) Background and educational administration system in Thailand;
- (3) Vision and development plan for education in Thailand;

Essence of Knowledge (cont.)

- (4) Curriculum theory;
- (5) Curriculum development
- (6) Curriculum standards and intended levels;
- (7) Curriculum development for educational institutions;
- (8) Problems and trend of curriculum development.

Competencies

- (1) Able to analyze curriculum;
- (2) Able to improve and develop diverse curricula;
- (3) Able to evaluate curriculum both before and after implementation;
- (4) Able to establish curriculum.

Course Outline

Educational philosophy and curriculum theory; Relationship between curriculum and instruction; Curriculum standards and intended levels; Factors and Conditions for Curriculum Design and Development: Educational system in Thailand, Vision and development plan for education in Thailand, National Education Act, Political and economic; Problems and trend of curriculum development: Impediments of change, Nature and scope of stake-holders involvement.