

Apiratda Thongkamkaew 2011: Development of the Course on Learning Experiences Arrangement for Young Children Using Brain-Based Learning Theory for the Undergraduate Students in Early Childhood Education Program. Doctor of Education (Curriculum and Instruction), Major Field: Curriculum and Instruction, Department of Education. Thesis Advisor: Mr. Sittikorn Sumalee, Ph.D. 218 pages.

The objective of this research was to develop a course on Learning Experiences Arrangement for Young Children for undergraduate students in the early childhood Education Program using the brain-based learning (BBL) theory. The study was conducted on 38 fourth-year undergraduate students in the early childhood education program of Chandrakasem Rajabhat University. The research tools included: (1) 8 unit plans based on the BBL principles, (2) a student learning behavior record form, (3) students journal, (4) a BBL activities analysis form, (5) a teaching demonstration assessment form (6) a summative exam.

The research findings indicated that, in developing a course for young children using the BBL principles for the undergraduate students in the early childhood education program, the students had gained the knowledge about BBL theory and early childhood education innovations. Besides, the target group had gained teaching skills as well as knowledge about how to design a lesson plan, teaching/learning activities and teaching material using the BBL principles. The five steps for course development were as follows: (1) Preparatory phase – the researcher conducted a review of literature on early childhood contemporary education; (2) Course development – the researcher created 8 units of learning based on the BBL principles; (3) The researcher created 8 unit plans in accordance with the 12 core principles of BBL; (4) Lessons implementation – the researcher: taught all eight units to students in one semester, in each lesson plan, there were several activities according to the BBL principles; and the students were able to applied all the knowledge gained in designing their lesson plans and had done teaching demonstration. (5) Presentation the research results

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Student's signature

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Thesis Advisor's signature