

Chakkarin Wannapokklang 2010: Development of Training Program on Mathematics Teaching Media Production for Improving First Level Mathematics Teacher Competencies. Doctor of Education (Educational Technology), Major Field: Educational Technology, Department of Educational Technology. Thesis Advisor: Associate Professor Narong Sompong, Ph.D. 275 pages.

The objective of this research was to develop the training program on mathematics teaching media production for improving first level mathematics teacher competencies. The research was divided into three stages as follows:

The first stage was to study the basic information relevant to develop the training program on mathematics teaching media production for improving first level mathematics teacher competencies. To achieve this, the research literatures and focus group discussion were used. The result indicated that necessary basic information for the mathematics teacher competencies were 1) the knowledge on planning, processing, and developing on mathematics teaching media production, and 2) the teacher's recognition on Mathematics teaching media production was important. Regarding to basic information relevant to the appropriate mathematics media for the mathematics teachers was the near by concreted media that can find out in the local area. The basic information for training program on mathematics teaching media production for improving the first level mathematics teacher competencies was pattern, content, activities, media for training, training evaluation, and duration.

The second stage was to construct the training program. The training program was constructed, based on the fundamental information from the first stage and was evaluated by 7 experts. After that, the information from the evaluation was utilized to improve the training program.

The third stage was to implement the training program. Twenty first level mathematics teachers were selected to be sample. Pre-training and Post-training evaluation were compared and the result revealed that the scores of post-training were higher than pre-training. Finally, the information from the training program implementation was utilized to improve the training program.

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