

## Reflection on Instructional Design and Technology

This module is about Learning Design and Technology, and I have adopted a new concept of instructional design theory and gained much knowledge of instructional design applied to practice in real teaching activities. There are several points I was impressed, as list below.

First, during the process of carrying on a concrete design, most of teachers will design on the basis of the teaching materials and theoretical of instructional design. However, we need to noticed that learning design should start with the problems existed in the past. Before we evolve a solution for the problem in accordance with theories, we should examine the problems in the practical teaching.

Secondly, teaching methods should combine with specific objectives, rather than simply show the overall goals. In the process of curriculum design, we should focus on a specific description of the objectives.

For example, teachers need to focus on describing a relationship between the specific target with the students' domain of knowledge, as well as what methods and procedures designed to achieve this goal. Relative to each specific objective, students' domain knowledge are different, so that we can not only talked about it in general terms and didn't go into details. Based on the specific objectives, we need to find out differences between existing knowledge of students and objective, and design different difficulties of learning activities, finally achieve the aim.

Third, all instructional design must be tried or tested by experience. We need to conduct teachers' self-evaluation and students' assessment after class. Involve the activities of continuous improvement can meet the needs of teaching. It reminds me that we often informed learning effect by ways of examination results of student and not on our own reflections on the learning design.

So, under the learner-oriented constructivism environment, instructional design needed to include these factors:

(1) Creating meaningful situations is beneficial to students' knowledge self-construction. Appropriate learning environment can promote learners' motivation of learning, so we want to create authentic learning environment which is related to the theme of learning, to achieve better learning results.

(2) We have to provide abundance of information and resources base on the current learning subject. Consolidation of resources is important. In the computer-based learning environment, how to integrate with a series of multimedia, like verbal and visual media, to bring students active and dynamic interaction is deserve our serious consideration.

(3) Learner analysis is the starting point for instructional design. During comprehensive analysis of learners, including analysis of learning ability, motivation, and learner's different features, we can identify practical learning objectives.

(4) Teachers should provide students more chance for collaboration, communication, collision of thinking, to learn from each other, build the communities of learning and deepen students' knowledge construction.

(5) On the basis of knowledge construction, students can cultivate their innovative spirit and practical ability through explore learning to solving practical problems.

Generally speaking, this course gives me a good training opportunity to reflect our unique perspective through responsible for carrying a dual role, namely teacher and student.