

Title : **Factors Influencing Student Achievement of Selected Courses
at Suranaree University of Technology**

Author : **Asst. Prof. Dr. Ruangdet Wongla and Other**

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Abstract

This research aimed to discover and study factors affecting learning effectiveness in selected courses taken by students of Suranaree University of Technology. The population consisted of all the students of Suranaree University of Technology registered in the aforementioned courses, as well as the instructors and concerned parties, by selecting 1,490 students as a sample group from every year and field of study. The primary research instrument was a survey filled out by the students concerned, as well as interviews with the instructors.

The findings can be summarized as follows:

1. Learning effectiveness of students in some courses, especially of those who have not succeeded, seemed to have risen from within the students themselves:

1.1 The students still studied only the content delivered in the classroom by instructors without doing research for more information.

1.2 Students lack University learning skills, knowledge acquisition methodology, as well as other skills, such as reading, taking notes, for example.

1.3 Students have low skills and basic knowledge in the selected subject areas, especially mathematical and scientific knowledge.

1.4 Students lack the maturity required for learning on the University level.

1.5 Many students are not able to plan their studies, thus not allowing themselves enough time to read and prepare for examinations.

1.6 Students do not study as small groups.

Students who succeed in their studies usually have no problems in the above areas.

2. The teaching methodology seems to be suitable. The problems of inadequate examination scores seems to not have arisen from the teaching itself.

3. Large instructional groups seem to be a factor that lessens effectiveness in learning.

4. The content of some courses are not commensurate with the time allocated in each trimester: too much content for such a short time. Students are unable to assimilate content in such a limited time. Moreover, students usually study many courses at the same time, and so are unable to find adequate time for each course.

5. The environment outside the classroom and at the dorms seem to be suitable in the opinions of those who achieved success and those otherwise.