

**Thesis Title :** The Construction of Observation Forms Concerning Interest, Attention and Responsibility in Mathematics Learning for Mathayom Suksa 3 Students

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### Abstract

The purpose of this study was to construct the affective observation forms concerning interesting, attention and responsibility. The affective observation forms were constructed as behavioral observation forms, indicating the students' affective in the form of situation. Each behavioral consisted of 10 situations. Through the multi-stage sampling, 100 Mathayom Suksa 3 students in the academic year of 1996 under the General Education Department in Chiang Mai Province constituted the sample of this study.

The findings were as follows :

1. There was construct validity of the 3 behavioral observation forms as judged by experts.
2. There was concurrent validity of the 3 behavioral observation forms, studied by known group technique, interesting and

attention were statistically significant at the 0.001 level and responsibility was statistically significant at the 0.05 level

3. The reliability of the 3 behavioral observation forms for interesting, attention and responsibility studied by the interobserver index were 0.9396, 0.8591 and 0.8792 respectively and intraclass correlation were 0.9670, 0.9735 and 0.9583 respectively.