

**Friday 5 June**

**10:00am - 10:40am**

Room: Block Y, Room Y402

**Presentation Title:** An Investigation of English Language Learning in Synchronous and Asynchronous E-learning

<b>Presenter / Co-presenters:</b>	Dr Nattakarn Sukchuen
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<b>Theme:</b>	E-learning initiatives
<b>Presentation Type:</b>	Paper presentation

### **Abstract**

This study aimed to investigate English language learning of students in synchronous and asynchronous e-learning environments at Kasetsart University. The subjects were 102 students registering in the course "English for Ground and In-flight Attendants" at Bangkok and Kamphangsaen Campus. Before the experiments, the subjects were required to answer a Web-based questionnaire constructed by Reid (1998) to measure their perceptual learning style preferences. Then, they were randomly assigned to two experimental groups by the matched pair technique. The first experiment, both groups learned on the Web synchronously but with different learning tasks for 12 periods and were given a test at the end. The second experiment, both groups learned on the Web asynchronously with different learning activities for another 12 periods and were given the second test. A questionnaire was given to retrieve student opinions at the end of the treatments. Data from both testing were analyzed for statistically significant differences using repeated measures 2x2 factorial ANOVA. The results revealed that there was no significant difference found between two types of tasks; however, a significant difference was found between synchronous and asynchronous e-learning. Additionally, there was no interaction effect found among types of tasks and synchronous and asynchronous e-learning.

Reid, J.M. (1998). Understanding learning styles in the 2<sup>nd</sup> language classroom. Upper Saddle River, N.J.: Prentice Hall Regents.

### **Biodata**

Dr Nattakarn Sukchuen from Kasetsart University has interests including web-based instruction, learner autonomy and distance education.