

網路合作學習對護專學生溶液化學 學習成效之影響研究

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摘 要

本研究旨在建立一套網路合作學習的輔助系統，探討網路合作學習與傳統學習在溶液化學教學之學習成效差異，並進一步分析不同能力學生的學習成就進步情形。研究對象為北部某護專五專一年級護理科 198 位學生，教學期間將近兩個月，研究期間蒐集的資料經統計分析得到以下結果：(1)不同教學法的後測成績沒有顯著差異；(2)網路合作學習組學生的平均成績高於傳統教學組學生；(3)有前測經驗且為中化學能力的同學之學習成效達顯著差異。

關鍵字：合作學習、溶液化學、網路教學

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The Effect of Learning Achievement in Solution Chemistry for Nursing Junior-College Students through Web-based Collaborated Learning

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Abstract

The purpose of this research was to establish a set of collaborate web-assisted learning system. It was run following the procedure by Solomon four-group design of quasi-experimental research, and discuss the difference of web-base collaborate learning and traditional learning in solution chemistry teaching, and further analyzed the progressive during different ability students' learning achievement. The targets are 198 freshmen of five-year nursing junior college locate in north Taiwan. The period of this research was last for five weeks, the result obtaining by statistical analysis which collect during the research are: (1) there are no significant difference in two groups' post score; (2) the average score of web-based collaboration learning students are higher than traditional group; (3) there are significant difference in web-based collaboration learning students who both have pre-test experience and medium chemistry ability.

Key words : Collaborated Learning, Solution Chemistry,
Web-based instruction

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