

A Comparison between Teacher Self-evaluations and Student Ratings of Teaching Effectiveness in Industrial Programs of A Vocational Senior High School

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The purpose of this study was to compare the results of teachers' self-evaluations of their teaching effectiveness with those of their students' ratings in industrial programs of a vocational senior high school in Taiwan. A self-developed questionnaire was administered to 820 teachers and 700 students in January, 2009, with returned responses from 548 teachers and 658 students. Specifically, the teaching effectiveness questionnaire with a total of 29 items has two editions: teacher edition and student edition. Both versions consist of six subscales, with each measuring one of the six factors including teaching self-efficacy, systematic presentation of instructional materials, effective instructional techniques, good teacher-student relationship, good classroom climate, and multiple teaching evaluations. For the teacher edition, the internal consistency α coefficients for the six subscales ranged from .744 to .825, with the overall α coefficient being .941. As for the student version, the internal consistency α coefficients ranged from .763 to .874, with 0.947 for the overall α coefficient. The data were analyzed with t-test, one-way ANOVA and one-way MANOVA. The exploratory factor analysis showed that cumulative variance was 62.92% for the teacher edition and 64.55 for the student edition. In addition, the overall performance of teachers' teaching effectiveness generally was satisfactory. There were significant differences in evaluation of teaching effectiveness among the teachers and their students with different background variables. Finally, for both the whole scale and the six subscales, the students' ratings on their teachers' teaching effectiveness, on average, were significantly higher than their teachers' self-evaluations of their own teaching. Based on the findings of the present study, some conclusions and recommendations were provided for administrative agencies, school authorities, school teachers, school students, and future studies.

Keywords: teacher self-evaluation, student rating, teaching effectiveness, vocational senior high school of industrial program

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