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KEY WORDS : ORDINARY AND OVERLAY TRANSPARENCY

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ACHIEVEMENT BETWEEN ORDINARY AND OVERLAY TRANSPARENCY IN ERGONOMICS
OF FIRST YEAR STUDENTS IN THE INDUSTRIAL PRODUCT DESIGN PROGRAM,
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This study was experimental research aimed to compare the learning achievement
Of students learning Ergonomics by using ordinary and overlay transparency programs. The sample
Group was randomly selected from first year students in the Industrial Product Design program in the
Faculty of Industrial Technology, Rajabhat Institute Phranakhon in the academic year 1999. They
were divided into two groups of thirty students by simple random sampling.

The research instruments were an ordinary transparency program, and overlay
transparency program and an achievement test on "The Skeleton System" developed by the researcher.
Data were analyzed by using arithmetic means and standard deviation. A T-test was used for testing
significant difference.

The results of this study revealed that the learning achievement by using ordinary and
overlay transparency programs were significantly different at the 0.05 level.