
Effectiveness of thinking skills development course in acquiring metacognition skills

and developing the ability of creative thinking of the university female students

Dr. Mona Tawakkul Elsayed

Assistant Prof. of Mental Hygiene & Special Education

Abstract:

This study aimed at investigating the effectiveness of thinking skills development course, in acquiring meta cognition skills, developing creative thinking ability of university female students; and the variation of such effectiveness according to different specialization (scientific-literary), in addition to exploring the relationship between the ability of creative thinking and meta cognition skills. The researcher applied the test of Creative Thinking Torrance image formats (image b) codified by (Aal Shareia et al. 2007), and metacognition skills scale (prepared by the researcher); on a sample of (80) second division students at AlZulfy Faculty of Education for girls, Al-Majmaah University, from different literary and scientific specializations, in the first semester of the academic year 2011/2012, by using T-test for two independent samples and Pearson correlation. The results showed that; (1) there are statistically significant differences between score means of students in pre and post measurements for metacognition skills in favor to post measurement, (2) there are no statistically significant differences in pre and post measurements of Torrance Creative Thinking test, (3) there are statistically significant differences in post measurement metacognition skills attributed to the variable of specialization (scientific-literary) in favor to scientific specialization, (4) The results also showed statistically significant differences in post measurement of creative thinking abilities in fluency and originality dimensions in favor to literary specialization, there are no statistically significant differences in flexibility dimension between scientific and literary specialization, and (5) Finally, there are no significant correlation between metacognition skills and creative thinking abilities. The study recommended the need to reconsider the drafting of thinking skills development course decision in order to contribute to the development of the ability for creative thinking for university female students.