

PEDAGOGY

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Critical thinking as necessary skill of contemporary engineer

The present graduates are to have additional skills and abilities except professional knowledge to succeed in their profession. The importance of promoting critical thinking skills and creative thinking in education has been widely acknowledged. It is given an analysis of the critical thinking conception, a description of its technology in classes of engineering higher educational establishments. Thus, the ability to think critically is considered to be formed from the level of reasoning and intelligence. The students cannot possess this ability, but they can be taught. It does not develop spontaneously. On the contrary, a teacher should play a directive role to inspire and direct a student because this skill is considered to be “teachable”.

Key words: higher educational establishments, critical thinking, employer, reasoning, planning, flexibility, persistence, sociability, compromise.

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