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The tutorial presents organizational forms, methods, and tools to enhance learning and improve the quality of teaching engineering disciplines. The guide provides successful examples of innovative methodology implementation to develop creativity of engineering students.

The tutorial is intended for university educators training masters in “Innovative technologies of composite materials on textile basis” and in training bachelors majoring in “Technology and design of textile products”. The study guide meets the requirements of the programmes “Pedagogy of Higher Education” and “Engineering Pedagogy” and can be used for the students of professional retraining programs of KNRTU. It can be useful in the system of continuing training courses of other universities and for self-education for development of creativity.

The tutorial was developed at the Department of Technology of Chemical and Natural Fibers and Products.

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CREATIVITY IN ENGINEERING EDUCATION

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