Integrative module technology of future engineers training in the field of ecological-economic safety

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Abstract

© Authors. The paper relevance is conditioned by the society and the state need to train the specialists who are ready to work in conditions of high ecological production risks. The paper purpose is to develop and justify the system on forming the technical universities graduates' professional competence in the field of environmental and economic safety on the basis of integrative-modular learning technology's implementation. The authors presented a structural and functional model for integrating the future specialists' training content in the field of environmental and economic safety. The research's leading approach is a systematic approach that allows considering the future specialists' professional competence forming process in the field of environmental and economic safety on the basis of integrative-modular technology. The authors develop a criteria-leveled component aimed at revealing the level of the professional competence formation in the field of environmental and economic safety. The system diagnostics containing the necessary set for criteria allowing estimating the level of graduates' professional competence formation in the sphere of ecological and economic safety is presented. The paper is intended for researchers, practitioners, enterprises managers involved in the issues on environmental and economic production activities and engineers' vocational training.

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Keywords

Ecological and economic safety, Educational organizations, Integrative-modular technology, Professional competence formation, Specialists training, System diagnostics

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