

PEDAGOGY

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Designing a methodological system of practice-oriented teaching in mathematics for future engineers of fire and technosphere safety

It is proposed to organize mathematical training of cadets of fire-technical specialties on the basis of a practice-oriented approach to learning. Such training is aimed at developing students' practice-oriented mathematical competence. The methodological approaches on the basis of which such training is carried out are determined. The principles of practice-oriented teaching of mathematics corresponding to each approach are proposed. A methodical system of practice-oriented teaching of mathematics for future rescue engineers is presented. In each structural element of the methodological system, a practice-oriented component is singled out, taking into account the specifics of the professional activities of fire and technosphere safety specialists, as well as the subject, practice-oriented and ideological component.

Key words: higher mathematics, methodical system of education, structure of methodical system, practice-oriented mathematical training, practice-oriented mathematical competence.

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