

EDUCATIONAL METHODOLOGIES IN ENGINEERING DISTANCE EDUCATION

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Abstract: Distance education has rapidly emerged as a new way for teaching and learning in the engineering disciplines. The distance education curriculums in engineering will likely include creative use of virtual technologies, theoretical adaptation and more comprehensive evaluations of the student performance in order to be universally accepted. This article proposes an examination of the basic principles and tools that may serve in engineering education, in conjunction with professional development aims, in a distance collaborative setting. These principles take into consideration basic learning theories, collaborative learning and educational methodologies.

Key words: engineering, e-learning, educational methodologies, learning assessment.