

ENGINEERING COURSES ON LINE: INTERNATIONAL COLLABORATIVE PROJECT

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Abstract

The purpose of this paper is to describe the experience and results obtained by the Grupo Multimedia of EHU (Basque Country University) teaching on line a set of Engineering courses. The group has developed a teaching environment including the following elements: a) video/multimedia as a basic component for the teaching-learning process, b) teacher-student collaborative methodology, c) Internetbased pedagogical and communication tools. The international collaborative project involves professors of three universities from USA, France and Spain with a total of 15 Engineering courses, both at the undergraduate and graduate level [1]. The delivery of these courses has allowed the faculty to gain experience in the areas of video/multimedia creation, use of e-learning platforms, and online course delivery which in turn has produced successful results in student satisfaction and student academic performance.

Keywords: Online education, international collaboration, multimedia, academic infrastructure, engineering education.