Mondragon University experience using PBL and competency-based curriculum in engineering education

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Abstract:
In the engineering school of Mondragon University, the curriculum is based on competences. In order to achieve defined competences, active learning methods need to be applied. One of the more extended methods in our school is PBL (Project Based Learning) methodology. Since 2008, the engineering faculty of Mondragon University has established a common educational model for all the programs. It is a mixed model, where there are courses related activities, at the beginning of the semester, and an interdisciplinary PBL at the end of the semester. The PBL can take 30-50% of all the ECTS (European Credit Transfer System) on each semester. In this webinar, the author will review the experience accumulated by the engineering school since in 1997, when thanks to the project called Mendeberri (new century in basque), we started defining the theoretical framework of our model.

Video Link

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