

## **PROJECT-BASED COURSE FOR PRACTICING CONSTRUCTION PROJECT MANAGEMENT**

### **ABSTRACT**

The Construction Engineering Department at Zagazig University (ZU) implemented an undergraduate course titled “Construction Project Management (CPM).” This two-semester course has been offered since 1983. The goal of the course is to provide a project-based, practice-oriented opportunity for students to deal with various engineering and management aspects of real-world construction projects. The course involves a mix of laboratory, class discussions, lecture activities, and a term project. Industrial participation has been sought to present real-world projects to students. The term project is carried out by student teams. A real-world project is assigned to each team. Every individual student works on one aspect of the assigned project, while coordinating with the rest of his team. At the end of the term project, each team submits a written report that documents aspects including cost estimating, method of construction, planning and scheduling, resource management, control systems, and other special studies. In addition, each team gives an oral presentation, which is attended and evaluated by practicing engineers and faculty members. The course gives exposure that is very similar to what graduates encounter in a construction/contracting firm. This paper describes the course philosophy and organization.