**Introductory Teaching Plan of Elementary Engineering Design for Freshmen Majoring in Civil and Environmental Engineering**

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**ABSTRACT**

The course development of introductory engineering design for freshmen majoring in civil and environmental engineering was summarized in this study. The study includes editing a text book and design projects. The text book for the course consists of mainly various methodologies and their activities for creating new ideas. Two independent design projects are to be undertaken during a semester which are well-knitted to help students obtain the potential for a soft landing at higher major courses.

Keywords: Engineering design, Civil and Environmental engineering, Course plan, Creating a new idea, Designing project