**< Project of Mechanical Design > Course Description**

**Course:** Project of Mechanical Design

**Course No.:** 3142110170

**Credit / Course Hours:** 3/3 weeks

**Preparatory Course:**

Engineering Drawing、Fundamental of Mechanical Manufacture、Interchangeabilityand technical measurement、Theoretical Mechanics、Material Mechanics 、Theory of machines and mechanisms

**Course Description:**

Project of Mechanical Design is the last important teaching link of "mechanical design", and it is also a comprehensive design ability training for students in higher engineering colleges at the first time. The main content is the design of mechanical transmission or simple mechanical, including assembly drawing, parts drawing and design specification writing. The basic purpose is to comprehensively apply knowledge, develop abilities of students to analyze and solve problems related to mechanical design, and consolidate and expand knowledge about mechanical design. The course will help students be familiar with mechanical parts and master the design process and calculation method of mechanical transmission. They will learn to use relevant standards and consult related design materials, then accumulate more experience to estimate and process data and improve the ability of mechanical drawing.

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