

## **RESEARCH AND PRACTICE OF MATHEMATICAL MODELLING COURSE BASED ON OBE-CDIO TEACHING CONCEPT**

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### **ABSTRACT**

*Combined with CDIO Engineering Education, OBE teaching concept is introduced into the teaching of mathematical modelling course to carry out teaching reform research. According to the OBE concept, the curriculum learning results are set and the project is designed. And under the guidance of CDIO standard, the curriculum is implemented according to the engineering education concept. The OBE-CDIO teaching mode is proposed to explore a new teaching mode of mathematical modelling course and improve the teaching effect. The results show that OBE-CDIO teaching mode can stimulate students' subjective initiative to explore, discover and construct knowledge in learning mathematical modelling, and provide reference for improving teaching quality.*

**KEYWORDS:** *OBE-CDIO; Mathematical Modelling; Teaching Reform; Teaching Evaluation*

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