

COURSE DETAIL

CONSTRUCTION PROJECT MANAGEMENT

Country

China

Host Institution

Tsinghua University

Program(s)

Tsinghua University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Civil Engineering

UCEAP Course Number

125

UCEAP Course Suffix**UCEAP Official Title**

CONSTRUCTION PROJECT MANAGEMENT

UCEAP Transcript Title

CONSTRUCTN PROJ MGMT

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

This course offers a thorough and in-depth exploration of the fundamental principles, procedures, and techniques involved in engineering project management. It equips students with a comprehensive understanding of key concepts, enabling them to effectively navigate the complexities of managing engineering projects. The curriculum encompasses a broad range of topics essential for success in this field, including the project life cycle, project scheduling, project financing, quality management, and project delivery methods. Students will also delve into the intricacies of project organization, budget estimation and assessment, leadership, global culture, supply chain management, and contract management. They can gain crucial insights into effective project planning, execution, monitoring, and early warning mechanisms. Furthermore, the course emphasizes the significance of project environment, health, and safety management, highlighting the importance of maintaining a secure and sustainable work environment. It also addresses the critical aspects of project communication and information management (such as building information modeling), recognizing their pivotal role in fostering collaboration and ensuring project success. Finally, the course also dedicates attention to human resources and team building, underscoring the significance of building cohesive and high-performing project teams.

Language(s) of Instruction

English

Host Institution Course Number

30030642

Host Institution Course Title

CONSTRUCTION PROJECT MANAGEMENT

Host Institution Course Details

<https://www.tsinghua.edu.cn/en/Admissions/Undergraduate/Curriculum.htm>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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