

COURSE DETAIL

STRENGTH OF MATERIALS

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

111

UCEAP Course Suffix**UCEAP Official Title**

STRENGTH OF MATERIALS

UCEAP Transcript Title

STRENGTH MATERIALS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course covers basic mechanical engineering knowledge and theory of mechanics of materials, and how they are used to solve practical engineering problems. Topics include introduction to statics, concept of stress and strain, analysis of stresses and deflections in a loaded beam, torsion of a circular bar as well as analysis of frames and machines. The course requires students to take prerequisites.

Language(s) of Instruction

English

Host Institution Course Number

ME2112

Host Institution Course Title

STRENGTH OF MATERIALS

Host Institution Course Details

<https://nusmods.com/courses/ME2112/strength-of-materials>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mechanical Engineering

Course Last Reviewed

2024-2025

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