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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