

COURSE DETAIL

MANUFACTURING PROCESSES

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

125

UCEAP Course Suffix**UCEAP Official Title**

MANUFACTURING PROCESSES

UCEAP Transcript Title

MANUFACTURE PROCESS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

Students learn how to convert raw materials into useful products through conventional and advanced manufacturing processes. The course covers the appropriate manufacturing pathways for producing specific products. Topics include an introduction to manufacturing, metal casting, powder metallurgy and processing, bulk deformation processing, sheet metalworking, machining, cutting tool technology, welding, and additive manufacturing.

Language(s) of Instruction

English

Host Institution Course Number

ME2162

Host Institution Course Title

MANUFACTURING PROCESSES

Host Institution Course Details

<https://nusmods.com/courses/ME2162/manufacturing-processes>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mechanical Engineering

Course Last Reviewed

2024-2025

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