

# COURSE DETAIL

## MANUFACTURING LOGISTICS

**Country**

Singapore

**Host Institution**

National University of Singapore

**Program(s)**

National University of Singapore

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Engineering

**UCEAP Course Number**

120

**UCEAP Course Suffix****UCEAP Official Title**

MANUFACTURING LOGISTICS

**UCEAP Transcript Title**

MANUFCTRING LGSTICS

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course introduces the basic concepts and techniques of planning, design and operations within a facility. Topics include forecasting techniques, aggregate planning, inventory management, material requirements planning, process planning, production systems and operations scheduling. Students examine the intuitions behind many manufacturing logistics concepts and demonstrate the application of operations research techniques to this area. The course requires students to take prerequisites.

## Language(s) of Instruction

English

## Host Institution Course Number

IE3120

## Host Institution Course Title

MANUFACTURING LOGISTICS

## Host Institution Course Details

<https://nusmods.com/courses/IE3120/manufacturing-logistics>

## Host Institution Campus

## Host Institution Faculty

College of Design and Engineering

## Host Institution Degree

## Host Institution Department

Industrial Systems Engineering and Management

## Course Last Reviewed

2025-2026

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