COURSE DETAIL

SEMICONDUCTORS: GLOBAL CHALLENGES OF A CRITICAL INDUSTRY
Country Taiwan
Host Institution National Taiwan University
Program(s) National Taiwan University
UCEAP Course Level Graduate
UCEAP Subject Area(s) Business Administration
UCEAP Course Number 210
UCEAP Course Suffix
UCEAP Official Title SEMICONDUCTORS: GLOBAL CHALLENGES OF A CRITICAL INDUSTRY
UCEAP Transcript Title SEMICONDCTR CHLLNGE
UCEAP Quarter Units 1.50
UCEAP Semester Units 1.00

Course Description

Semiconductors are vital to nearly every aspect of modern life. Semiconductor integrated circuits (ICs, chips) and materials play a crucial role in industries such as communication, information technology, transportation, healthcare, defense, aerospace, and consumer electronics. The COVID-19 global pandemic in the last few years triggered an unprecedented surge in demand for semiconductor products. However, factory shutdowns and city lock-downs disrupted the global semiconductor supply chain, and as a result, a severe shortage in semiconductor chips occurred. It halted automobile production and caused a significant delivery delay of electronic products necessary for our daily life during the pandemic. This chip shortage crisis exposed the vulnerability of the global supply chain.

This intensive course provides an introduction to the semiconductor industry in Taiwan and Asia. The course provides an overview of the industry; develops a fundamental understanding of its supply chain and key players, and explores the impacts of the Creating Helpful Incentives to Prodcue Semiconductors (CHIPS) Acts of the U.S. and geopolitical factors.

Language(s) of Instruction
English

Host Institution Course Number
GMBA7143

Host Institution Course Title
WINNING STRATEGIES OF ASIAN SEMICONDUCTOR INDUSTRY IN GLOBAL CHIP CONTEST

Host Institution Course Details

https://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=749%20M1620&c...

Host Institution Campus

Host Institution Faculty
College of Management

Host Institution Degree

Host Institution Department
Global MBA

Course Last Reviewed
2024-2025

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