

## 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**

SEMICONDUCTR 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 Produce Semiconductors (CHIPS) Acts of the U.S. and geopolitical factors.

### Language(s) of Instruction

English

### Host Institution Course Number

GMBA7143

### Host Institution Course Title

SEMICONDUCTORS: GLOBAL CHALLENGES OF A CRITICAL INDUSTRY

### Host Institution Campus

### Host Institution Faculty

College of Management

**Host Institution Degree**

**Host Institution Department**

Global MBA

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