



## Program Overview

The objective of the program aims to explore the sustainable development in Taiwan, by introducing its geographical location, economic growth and future prospects from the triple perspectives of economics, technology, and culture. It then delves into the development of the semiconductor industry, explores the sustainability of the environment, and even includes the virtual activities on traditional tea ceremony, trips to historical Tamsui relics, and TKU campus tour. The program enables students to gain a deeper understanding of Taiwan by offering the series of asynchronous online academic and language courses and combined with 3 synchronous discussion sessions. Through this virtual Taiwanese adventure, students learn more about Taiwan for its status in international trade, the reputation as the “island of technology” and the inclusive and diverse cultures.

Tuition Fee: Free of Charge

Program Time: July 19 – 30, 2021

Platform: Moodle + Ms. Teams

Credits: 2

Format: self-paced courses & online discussion

# Course List

## Economic

Topic	Outline	Instructors	Length
Taiwan Economy: Production and Growth	The goals of this course are to help students understand macroeconomic market in Taiwan and to strengthen their applications for current macroeconomic events. Gross domestic product (GDP) is one of the most common indicators used to track the health of a nation's economy. It is a representation of economic production and growth. Through this course, student can understand the main ideas of macroeconomics and apply those concepts in our real life.	<b>Prof. Yen-Ling Lin,</b>  Chairman of Department of Economics	120 mins
Futures Studies and Social Sciences: The Future We Want	Futures Studies could be understood as a discipline which studies the possible, the probable and the preferable futures. Many people, however, may ask why should we know and learn futures studies? Is the future predictable? First, to answer the first question, it is simply because we are searching for a better personal future and we are looking for a better society. Therefore, we need different approaches to the futures and we need various theories to help us understand what a good society looks like and how can we approach it.	<b>Prof. Jianbang Deng,</b>  Director of Graduate Institute of Futures Studies, TKU	120 mins
Virtual Company Tour	Grand Dynasty Industrial Company (GDI), an injection molding shop which was domestically oriented in Taiwan and focused mainly on the international market. Customers from USA, UK, and Germany comprise 98% of GDI's business.		60 mins
Online Discussion	After completing the courses requested, the synchronous discussion session is offered where instructors and students exchange ideas electronically to increase the understanding of the course objectives and contribute to a greater sense of class community.		120 mins

## Technology

Topic	Outline	Instructors	Length
Semiconductor Industry and Offshore Wind Farm in Taiwan	The speaker would like to address two outstanding industries in Taiwan. The first one is the matured semiconductor industry (integrated circuit- IC industry) since 1980s, and the other is the emerging offshore wind farm which is still under developing in Taiwan now. Both industries are crucial to the sustainable development of Taiwan in this century.	<b>Prof. Lung-Jieh Yang,</b>  Department of Mechanical Engineering	120 mins
Environmental sustainability	In this course, the definition of environmental sustainability and drivers to achieve environmental sustainability will be introduced. A brief introduction of the main environmental issues Taiwan is facing along with the causes of these issues will be presented. How are these problems tackled and who are the stakeholders to solve these environmental challenges? A detailed presentation of environmental problems related to water/wastewater, domestic/industrial solid waste, air, and energy will be given.	<b>Prof. Chi-wang Li,</b>  Department of Water Resource and Environmental Engineering	120 mins
Chemistry in our life	Chemistry is everywhere in our life. Why we will weak up in the morning? What is toothpaste good for health? How to brew a good coffee? OLED and LCD display, which one is better? Alkaline water can neutralize our body constitution? Good cookers are good chemists? Chemical vs neutral shampoo? Mistry in bubble teas? In this course, the basic chemistry principles of the phenomenon and corresponding chemical molecules that that involved in the above-mentioned questions will be addressed. With the knowledge, it will help you to live your life more wisely.	<b>Prof. Chih-Hsin Chen,</b>  Department of Chemistry	120 mins
Online Discussion	After completing the courses requested, the synchronous discussion session is offered where instructors and students exchange ideas electronically to increase the understanding of the course objectives and contribute to a greater sense of class community.		120 mins

## Culture

Topic	Outline	Instructors	Length
A Journey to Taiwan Tea Culture	Tea culture in Taiwan is derived from China in Qing Dynasties and developed with its unique style. This course will introduce tea processing techniques and classification of tea, how to make and enjoy a cup of tea with pottery, growing organic tea with the idea of SDGs and the future trend of tea culture. The instructor will also interview tea art experts and farmers to demonstrate tea-related activities.	<b>Prof. Irving Yi-Feng Huang,</b>  Department of Public Administration	120 mins
Geopolitics of Taiwan and the Asia-Pacific	This session is designed to introduce the main geopolitical particularities of Taiwan and its relations with the outside world. As an important piece in the security architecture and the preservation of peace and stability in the Asia-Pacific region, it is relevant for students to understand the historical trajectory and current status of Taiwan.	<b>Prof. Fabricio Antonio Fonseca-Fernández,</b>  Department of Graduate Institute of Latin American Studies	120 mins
Online Discussion	After completing the courses requested, the synchronous discussion session is offered where instructors and students exchange ideas electronically to increase the understanding of the course objectives and contribute to a greater sense of class community.		120 mins
Tamsui Introduction	TKU main campus is located in Tamsui, a beautiful town surrounded by river and mountain. It used to be one of the most important ports in Taiwan, and played an important role in Taiwan History. This session will contain two parts: 1. The Unique Stone Tidal Weir and Tamsui Fishing Culture 2. Tamsui through the eyes of Painter Chen Cheng-po		30 mins
Virtual Campus Tour	A brief introduction of TKU campus and student's life.		30 mins
Student's Report	Report Submission: choose a topic you would like to explore from these courses.		

## Chinese Language Courses

30 hours of teaching videos, a variety of learning exercises such as quizlet, quizizz, stroke order of Chinese character for you to learn Chinese virtually

## Instructors List



**Prof. Yen-Ling Lin**  
Chairman of Department of Economics



**Prof. Jian-bang Deng**  
Graduate Institute of Futures Studies, TKU



**Prof. Lung-Jieh Yang**  
Department of Mechanical Engineering



**Prof. Chi-wang Li**  
Department of Water Resource and Environmental Engineering



**Prof. Chih-Hsin Chen**  
Department of Chemistry



**Prof. Irving Yi-Feng Huang**  
Department of Public Administration



**Prof. Fabricio Antonio Fonseca-Fernández**  
Department of Graduate Institute of Latin American Studies