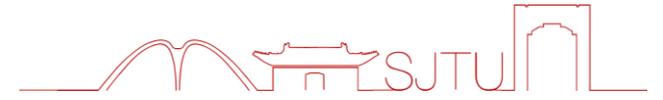




上海交通大学  
SHANGHAI JIAO TONG UNIVERSITY



# “Jiao°Tong Global Virtual Classroom” Initiative Fall 2023

International Affairs Division  
Shanghai Jiao Tong University

April, 2023

—— 饮水思源 · 爱国荣校 ——

**1**

**General Introduction**

**2**

**Practice: Jiao ◦ Tong GVC**

**3**

**Call for Fall 2023**

## Background

**COVID-19:**

**Physical Mobility** ✘

**Post-pandemic Era:**

**Mind Mobility** ✔

**Industrial Age**



**Information Age**

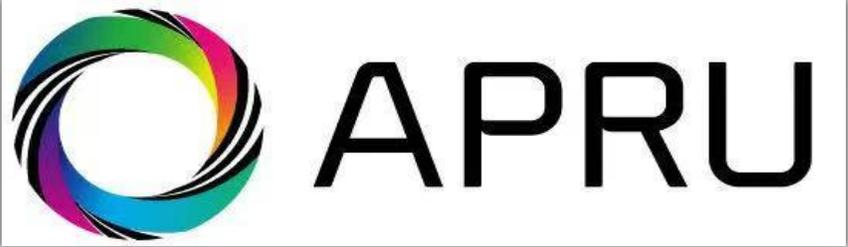
Online education plays an increasingly important role.

**Virtual exchange is an excellent opportunity for physical mobility.**

**Pilot**



**APRU-VSE**



Spring 2021	
Institutions	# Students
The Chinese University of Hong Kong	7
Nanyang Technological University	1
Hong Kong University of Science and Technology	1
Chulalongkorn University	1
Universidad San Francisco de Quito	1
<b>Total: 11 Students in 4 Courses</b>	



**Shanghai Jiao Tong University**  
Shanghai, China

**First day of classes: From February 22, 2021**

- CL025 Two Thousand Years of Sino-foreign Cultural Exchanges
- CL-036 Elementary Chinese 1
- EV352 Ecological Engineering
- MA418 Lie Groups and Lie Algebras
- MT207 Fundamentals of Materials Science
- PE002C06 简化太极拳 (Simplified Taijiquan)

APRU-VSE SJTU Page:

<https://vse.apru.org/shanghaijiao-tong-university-202101/>

**Pilot**



**U21**  
**“Global Classroom & SDGs”**



Spring 2021			
Institutions	Courses	Primary SDGs	# Students
UC Davis	Plant Biochemistry	Good Health and Well-Being	58
SJTU	Traditional Medicine		27



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**Jiao** **o** **Tong** **2021**  
**Global Virtual Classroom**

- ✓ Both internationalization of higher education and “go digital” are **inevitable trend**
- ✓ “Jiao o Tong GVC” committed to brain ‘gain’ and capacity building, global competence strengthening **in a long run**



## Faculty

- collaborate with peers at universities around the world
- co-create collaborative online international learning courses



## Students

- gain global perspectives
- deepen their understanding of the subject matter and cross-culture

**Approach**

**Selection of Courses**

**Selected Academic Courses**

**Taught in English**

**Undergrad and Postgrad levels**

**China-specific and SJTU Features**



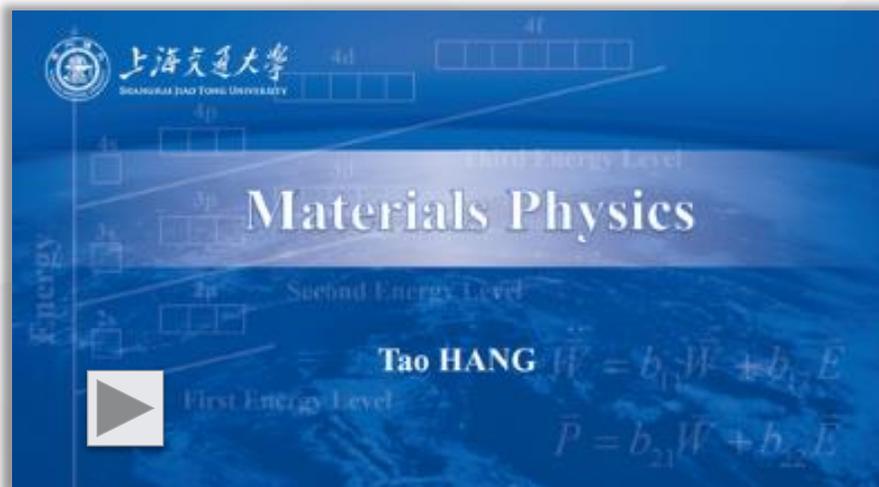
Approach

Website for the platform

## Website built for Jiao Tong GVC

- Introduction( incl. video)
- Syllabus
- Pre-req.

### ❖ Sample Introduction video

A screenshot of the 'Global Virtual Classroom' website. The header includes the Shanghai Jiao Tong University logo and navigation links. The main content area is titled 'Global Virtual Classroom' and features an illustration of people interacting with a large screen. Below this, there is an 'Introduction' section and a 'Courses Details' section with a grid of course cards. Each card displays the course title, school, and credits.

Introduction

Courses Details

Course ID	Course Title	School	Credits
AE8104	Finite Element Analysis of Composites	School of Aeronautics and Astronautics	3
GE6001	Scientific Writing, Integrity and Ethics	School of Biomedical Engineering	1
MSE2605	Fundamentals of Materials Science Part I	School of Materials Science & Engineering	3
MT319	Materials Physics	School of Materials Science and Engineering	4
ICE6202	Digital Image Processing	School of Electronic Information and Electrical Engineering	3
BIO8101	Application of Viral Techniques and Introduction to Molecular Virology	School of Life Sciences and Biotechnology	2
MATH9111	Basic Geometric Mechanics	School of Mathematical Sciences	3
SP166	Ocean Science	School of Naval Architecture, Ocean and Civil Engineering	2

**Approach**



**GVC Classroom**

Upgrade existing  
**smart classroom** into  
**GVC Classroom**



Front Side



Back Side

**Engage both on-line &  
off-line students together  
into a same classroom**

# Collaboration Models



## Shared Courses

**SJTU classroom**

+

**Overseas students**

Model A: Synchronous Teaching

Model B: Asynchronous + Tutorial

.....

\*Course credits can be mutually recognized.



## Co-built Courses

**Faculty peers around the world**

+

**Domestic & Overseas students**

Model A: Synchronous Teaching

Model B: Problem Based Learning

.....

**1**

**General Introduction**

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**3**

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**INSA** INSTITUT NATION.  
DES SCIENCES  
APPLIQUÉES  
LYON

H T  
W G

**Hochschule Konstanz**  
University of Applied Sciences

Technical  
University  
of Munich

**TUM**

 **慶應義塾**  
Keio University

**東京工業大学**  
Tokyo Institute of Technology



**UC DAVIS**  
UNIVERSITY OF CALIFORNIA

**U21 Global Education Fund  
Co-built Courses**

 **USC University of  
Southern California**

**Co-built Courses**

 **Tecnológico  
de Monterrey**

**U21 Global Education Fund**

 **UNIVERSIDAD  
DE CHILE**

 **東京大学**  
THE UNIVERSITY OF TOKYO

**Agreement on  
Online Courses**

 **大阪大学**  
OSAKA UNIVERSITY  
**Agreement on  
Online Courses**



 **UNSW  
SYDNEY**

 **THE UNIVERSITY OF  
SYDNEY**

	Universities	Countries/Regions	Participants
<b>Spring 2023</b>	<b>23</b>	<b>15</b>	<b>217</b>
<b>Fall 2022</b>	<b>18</b>	<b>13</b>	<b>103</b>
<b>Spring 2022</b>	<b>17</b>	<b>10</b>	<b>189</b>
<b>Fall 2021</b>	<b>16</b>	<b>10</b>	<b>84</b>
<b>Spring 2021</b>	<b>6</b>	<b>4</b>	<b>69</b>

**WARWICK**  
THE UNIVERSITY OF WARWICK

**UCL**

 **KIT**  
Karlsruher Institut für Technologie  
**Co-built Courses**



 **香港中文大學**  
The Chinese University of Hong Kong

 **NANYANG  
TECHNOLOGICAL  
UNIVERSITY**  
SINGAPORE

 **香港大學**  
THE UNIVERSITY OF HONG KONG

 **香港浸會大學**  
HONG KONG BAPTIST UNIVERSITY

# "Shared Courses"

5+ Overseas Students

Courses of Spring 2022 & Fall 2021

20/38

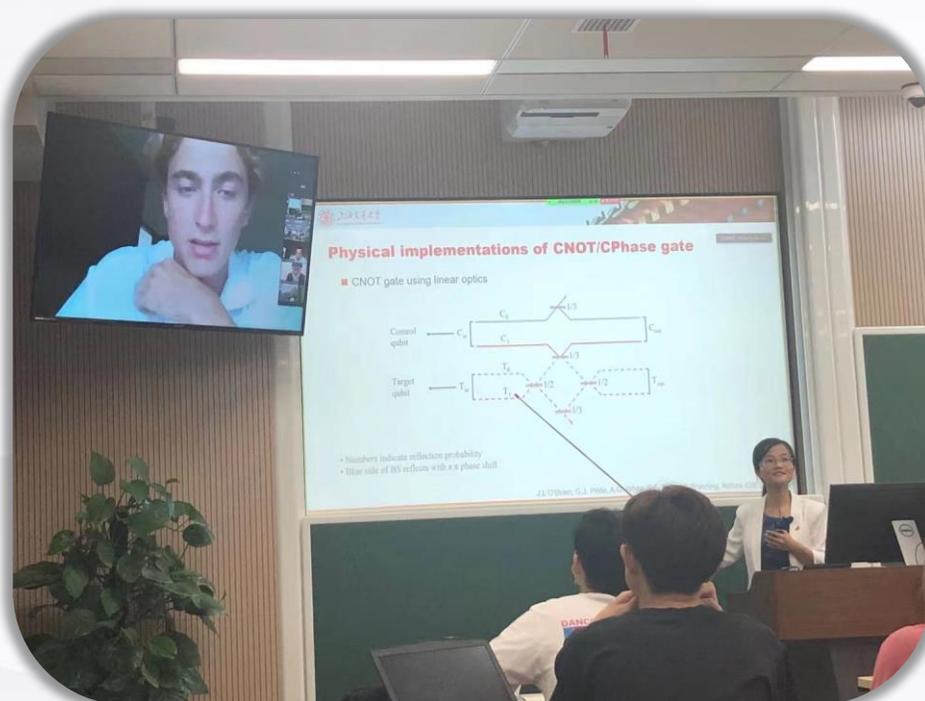
Course Example:  
"Quantum Information Technologies and A Practical Module"

Overseas Students

5



香港大學  
THE UNIVERSITY OF HONG KONG



## “Co-built Courses”

Semester	Course Name	School of SJTU	Partner University	Participants
Spring 2023	<b>Intercultural Communication</b>	School of Media and Communication	<b>The University of California, Davis, USA</b>	UC Davis: Not started yet SJTU: ~20
Fall 2022	<b>Internet and Society</b>	USC-SJTU Institute of Culture and Creative Industry	<b>University of Southern California, USA</b>	USC:15 SJTU: 45
Spring 2022	<b>Differential Geometry</b>	UM-SJTU Joint Institute	<b>Karlsruhe Institute of Technology, Germany</b>	KIT: 60 SJTU: 9
	<b>Intercultural Communication</b>	School of Media and Communication	<b>The University of California, Davis, USA</b>	UC Davis: 43 SJTU: 30



## Students' Feedback



*"... I am very happy to interact with both SJTU students and international online students through the homework. I feel like I am studying in Shang Hai, now! "*

*"...Thanks so much for all the support throughout the process and **the amazing study experience I obtained virtually at SJTU.**"*



*"... I can confidently say **this project was a joy. I didn't expect to become as close to my group members as I did, and we maintained a close communication throughout the time together...**"*

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## Matters Need Attention

### Call for Fall 2023

#### Selection of Courses

- Academic courses in all disciplines delivered in English
- Courses already offered at SJTU
- Suggested teaching time (GMT+8): early morning, afternoon or evening

**Application Deadline:** Friday, 14 April, 2023 at 17:00 (GMT+8)

**Time for Review:** mid-to-late April, 2023



上海交通大学

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**Look forward to  
your participation!**

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Office of Global Partners & Relations

International Affairs Division

Shanghai Jiao Tong University (SJTU)

饮水思源 爱国荣校