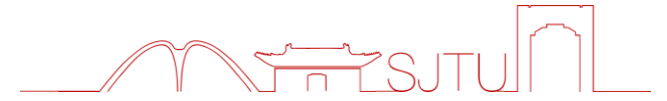




上海交通大学
SHANGHAI JIAO TONG UNIVERSITY



“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



APRU



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/>

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
Total: 11 Students in 4 Courses	

Pilot

U21 "Global Classroom & SDGs"



UNIVERSITAS 21

U21 GLOBAL EDUCATION FUND

UC DAVIS
UNIVERSITY OF CALIFORNIA



上海交通大学
SHANGHAI JIAO TONG UNIVERSITY



Tecnológico
de Monterrey



Spring 2021

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



上海交通大学
SHANGHAI JIAO TONG UNIVERSITY

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**



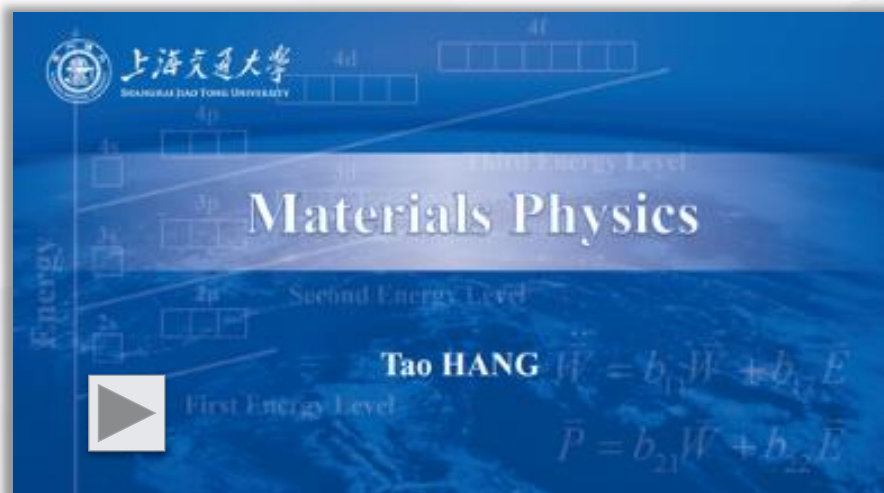
Approach

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: HOME, ABOUT US, NEWS&EVENTS, ENGAGEMENT, TRAINING, STUDY OVERSEAS, STUDY@SJTU, and a language toggle (中文). The main banner features the title 'Global Virtual Classroom' and an illustration of people interacting with a large screen. Below the banner, there's an 'Introduction' section and a 'Courses Details' section. The 'Courses Details' section displays a grid of course cards, each with a thumbnail, title, school, and credits. The courses listed are: AE8104 Finite Element Analysis of Composites, GE6001 Scientific Writing, Integrity and Ethics, MSE2605 Fundamentals of Materials Science Part I, MT319 Materials Physics, ICE6202 Digital Image Processing, BIO8101 Application of Viral Techniques and Introduction to Molecular Virology, MATH9111 Basic Geometric Mechanics, and SP166 Ocean Science.

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

+

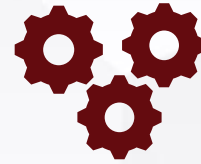
Overseas students

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

.....

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Call for Fall 2023

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**



香港浸會大學
HONG KONG BAPTIST UNIVERSITY



香港大學
THE UNIVERSITY OF HONG KONG

 **NANYANG
TECHNOLOGICAL
UNIVERSITY**
SINGAPORE



香港中文大學
The Chinese University of Hong Kong



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



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

"Shared Courses"

5+ Overseas
Students

Courses of
Spring 2022 & Fall 2021

20/38

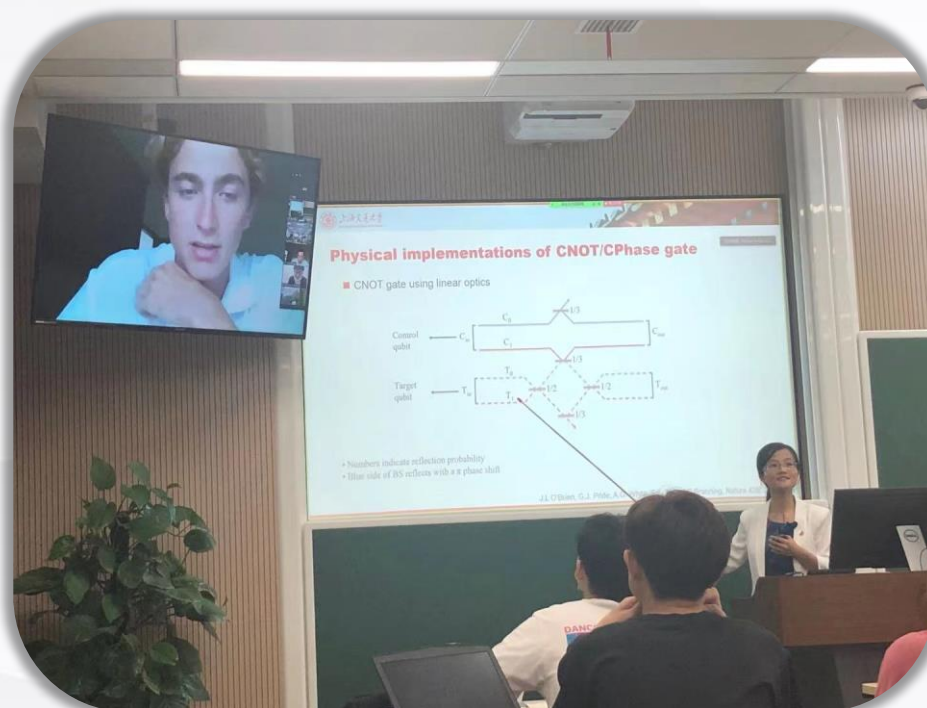
Course Example:
"Quantum Information Technologies
and A Practical Module"

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



Students' Feedback



慶應義塾
Keio University

"... 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.**"*



THE HONG KONG
UNIVERSITY OF SCIENCE
AND TECHNOLOGY

UCDAVIS
UNIVERSITY OF CALIFORNIA

*"... 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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Call for Fall 2023



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



上海交通大學

SHANGHAI JIAO TONG UNIVERSITY

**Look forward to
your participation!**

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Office of Global Partners & Relations

International Affairs Division

Shanghai Jiao Tong University (SJTU)

飲水思源 愛國榮校