



2020 SJTU GLOBAL SUMMER SCHOOL SUSTAINABLE AGRICULTURE-- PRECISION AGRICULTURE AND FUTURE

SCHOOL OF AGRICULTURE AND BIOLOGY,
SHANGHAI JIAO TONG UNIVERSITY

DURATION

2020. Jul 10- Jul 24
Mon - Fri 9:00-16:30

FEE

International travel expense: on one's own

Tuition: RMB 5400 (USD 760)

Lodging fee: on one's own, around RMB 3000
(USD 420)

* Tuition waiver condition: participants from SJTU or SAB agreement cooperative universities or institutes are exempt from tuition fee; students excellent academic performance or from prominent universities or institutions can be exempt from tuition fee.

* Lodging fee waiver condition: students excellent academic performance or from Belt and Road Initiative countries can be exempt from lodging fee.

ELIGIBILITY

Students from overseas, Hong Kong, Taiwan, and Macao must be enrolled as an undergraduate or graduate student prior to applying for this program

CREDIT

2 credits/2 weeks

COURSE DESCRIPTION

This course aims at introducing precision agriculture research and application in China to participants and further to the world, including the development, current status, and the future of Chinese and Shanghai's precision agriculture. The goal is to show an overview of precision agriculture's development and discuss the potentials in the future.



APPLICATION

Online application: <http://apply.sjtu.edu.cn>
 Application deadline: Apr 30
 Payment deadline: May 29

SYLLABUS

HIGHLIGHTS

- The summer school courses take different forms such as lectures and field trips, to give an overview of the development and application of precision agriculture in Shanghai, China.
- The lectures are elaborated by agricultural experts who have rich overseas education, working or teaching experiences, offering a professional course design.
- Culture elements are woven into the lectures and field trips, in order to help the participants to comprehend the background information and development condition of China, Chinese agriculture, and precision agriculture development here.
- By the end of this 2-week study experiences, students should have basic knowledge and understanding of the rich history, flourishing present, and bright future of precision agriculture in Shanghai, China.

DATE	AM	PM
7.10	Opening Ceremony	Ice-breaking activities
7.11-7.12	Free Activity or Two day Excursion (Optional)	
7.13	Cultural Awareness: Comparison of Chinese Culture and Western Culture	Research & Development of Fertigation in Greenhouse Vegetable Production (Prof. Danfeng HUANG)
7.14	Metropolitan's Ecological Approach: Coupling Development with Urbanism and Urban Forestry in Shanghai (Assoc. Prof. Shan YIN)	Shanghai Urban Forest Research Station-Zhongshan Park Monitoring Station (Field Trip)
7.15	Chinese Food Philosophy and Tea Culture (Assoc. Prof. Yi SHENG)	Chinese Language and Culture Lecture Series (1)
7.16	Application of Eco-informatics in Urban Green Space (Assoc. Prof. Nan HUI)	Science and Wisdom behind Traditional Chinese Foods (Assistant Researcher Wei LU)
7.17	Shanghai Museum (Field Trip)	China Art Museum (Field Trip)
7.18-7.19	Free Activity or Two day Excursion (Optional)	
7.20	A True Story about Food Safety in China (Prof. Chunlei SHI)	Bright Dairy & Food Co. Visiting (Agricultural Industry Visiting)
7.21	Challenges and Opportunities for Tree Fruit Precision Cultivation (Prof. Caixi ZHANG)	Chinese Language and Culture Lecture Series (2)
7.22	Digital Agriculture and Its Application across the Whole Production Chain (Assoc. Prof. Jingjin ZHANG)	Sunqiao Modern Agricultural Park: Plant Factory, Phenotype Platform, Greenhouse Cultivation (Field Trip)
7.23	Food Processing and Preservation Technologies (Assoc. Prof. Shunshan JIAO)	Chen Shan Botanic Garden (Field Trip)
7.24	The History, Development, Challenge of Chinese Wine and Wine Tasting (Assistant Researcher Yu GAO)	Final Presentation (Teamwork)

CONTACT

Program Director:
 Jiaoyue LIU (Ms.) (liujiaoyue@sjtu.edu.cn)
Program Coordinator:
 Dan WANG (Ms.) (danwang17@sjtu.edu.cn)
 Zhihao WANG (Ms.) (zhihaowang_lisa@163.com)