2020 SJTU GLOBAL SUMMER SCHOOL
SUSTAINABLE AGRICULTURE--
PRECISION AGRICULTURE AND FUTURE
SCHOOL OF AGRICULTURE AND BIOLOGY,
SHANGHAI JIAO TONG UNIVERSITY

DURATION
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.
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.

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

SYLLABUS

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<th>Time</th>
<th>AM</th>
<th>PM</th>
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<tbody>
<tr>
<td>7.10</td>
<td>Opening Ceremony</td>
<td>Ice-breaking activities</td>
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<tr>
<td>7.10-7.12</td>
<td>Free Activity or Two day Excursion (Optional)</td>
<td>Student Activities</td>
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<tr>
<td>7.13</td>
<td>Cultural Awareness: Comparison of Chinese Culture and Western Culture</td>
<td>Shanghai Urban Forest Research Station-Zhangzhai Park Monitoring Station</td>
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<td>7.14</td>
<td>Metropolitan’s Ecological Approach: Coupling Development with Urbanism and Urban Forestry in Shanghai (Assoc. Prof. Shan YIN)</td>
<td>Shanghai Art Museum (Field Trip)</td>
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<td>7.15</td>
<td>Plant single-cell sequencing (Tenure Track Assoc. Prof. Hongbo GAO)</td>
<td>Science and Wisdom behind Traditional Chinese Foods (Assistant Researcher Wei LI)</td>
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<td>7.16</td>
<td>Application of Eco-informatics in Urban Green Space (Assoc. Prof. Nan HU)</td>
<td>Shanghai Museum (Field Trip)</td>
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<td>7.17</td>
<td>China Art Museum (Field Trip)</td>
<td>Shanghai Museum (Field Trip)</td>
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<tr>
<td>7.18-7.19</td>
<td>Free Activity or Two day Excursion (Optional)</td>
<td>Shanghai Museum (Field Trip)</td>
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<td>7.20</td>
<td>A True Story about Food Safety in China (Prof. Chunlei SHI)</td>
<td>Bright Dairy &amp; Food Co. (Field Trip)</td>
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<td>7.21</td>
<td>Signaling Mechanisms of the Photoreceptor UVRR (Assoc. Prof. Ruihe YIN)</td>
<td>Chinese Language and Culture Lecture Series (2)</td>
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<td>7.23</td>
<td>Food Processing and Preservation Technologies (Assoc. Prof. Shumian BAO)</td>
<td>Chen Shan Botanic Garden (Field Trip)</td>
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<tr>
<td>7.24</td>
<td>The History, Development, Challenge of Chinese Wine and Wine Tasting (Assistant Researcher Yu GAO)</td>
<td>Final Presentation (Teamwork)</td>
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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.

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Program Director:
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