

**Shanghai Jiaotong University**  
**Master & PhD Program in Horticulture Landscape and Ecology**  
**(Taught in English)**

**Program Overview**

This is a diverse program at SJTU and includes research in the fields of horticulture, pomology, ornamental botany, facility agriculture, pollution ecology and habitat control, urban forest ecology, crop ecology and pest control, environment ecology and agricultural resources utilization, landscape design, and ecological planning and design. Graduate students are required to grasp basic theories and specific knowledge of the subject matter and to gain insight into the forefront of the subject development. They are expected to be qualified with the competence of top talents in the field of Horticulture, Ecology, and Landscape Architecture.

**Program Feature**

The program consists of a dynamic integration of professional courses and fieldwork, which benefits the formation of the internationalized vision, and also will help students master technology management on a global scale and gain insight into the Chinese market. To help international students understand the language and culture of China, the program contains free Chinese Language and Culture courses.

**Timetable**

Stage	Doctor	Master
Mid-term Examination	Semester 2	Semester 2
Thesis Proposal	Semester 3	Semester 3
Medium-term Inspection	Semester 5	Semester 3
Pre Oral Defense	Semester 7	No
Defense	Semester 8	Semester 4

**Requirements**

Type	Duration	Credit	Journal paper
Master	2 years (1 year for coursework; 1 year for research)	20	≥ 1
Doctor	4 years (Research-based)	16	≥ 1

**Main Courses**

NO.	Course Title (Chinese)	Credit	Compulsory/Elective
1	Chinese	2	Required
2	Academic Writing	2	

3	Chinese Culture	2	Elective
4	Modern Ecology	2	
5	The Chinese Garden Analysis	2	
6	Protected Horticulture: Science, Technology & Management	2	
7	Eco-Environment and Food Safety	2	
8	Ecological Planning Principle	2	
9	Molecular Biology	2	
10	Plant Biotechnology	2	
11	Bioinformatics	2	
12	Research Methodology for Ecology	2	
13	Molecular Food Nutrition	2	
14	Introduction of Rural Development in China	2	
15	Modern Control System for Food Safety	2	
16	Modern Instrument Analytical Technique	2	

### **International Joint Centers**

1. SJTU-Bor S. Luh Food Safety Research Center
2. Joint Whistler Center for Carbohydrate Research-Center for
3. Food Safety and Nutrition Research Cooperative Carbohydrate Research Center
4. HUI-SJTU Modern Agriculture Joint Research Center
5. Joint Plant Biotechnology R & D Center of Jiao Tong University-Fudan University-Nottingham University
6. Shanghai Jiao Tong University Bulgarian Center
7. MOST-USDA Joint Research Center for Food Safety

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