

**UNIVERSITY OF SÃO PAULO**

**LUIZ DE QUEIROZ  
COLLEGE OF AGRICULTURE**



**Introduction  
to the  
University**



The University of São Paulo was founded in 1934.  
It is a public institution funded by sales income taxes from  
the State of São Paulo.



- 28% of Brazilian scientific production
- 89,000 students;  
5,800 faculty members;  
16,000 technical and administrative employees

### National and international rankings:

- 📌 First place among Latin American universities (Times Higher Education)
- 📌 Ranked 5<sup>th</sup> in Agricultural Sciences, 1<sup>st</sup> among Latin American universities and 77<sup>th</sup> overall in the Best Global Universities ranking (US News).



USP offers 259 undergraduate programs and 239 graduate programs within seven campuses in the State of São Paulo. One of them is ESALQ, located in Piracicaba.

# USP Campus in Piracicaba

USP



Piracicaba



Luiz de Queiroz  
Campus

# USP Campus in Piracicaba



**Luiz de Queiroz  
College of Agriculture**



**Center of Nuclear  
Energy in Agriculture**



**Luiz de Queiroz Campus  
Administration Center**



**Information Technology  
Department (DTI - LQ)**

# Introduction

ESALQ

- Founded in 1901
- USP college dedicated to Agricultural, Environmental and Social Sciences

Teaching



Research



Extension



# ESALQ History



**1849**

- Luiz de Queiroz is born

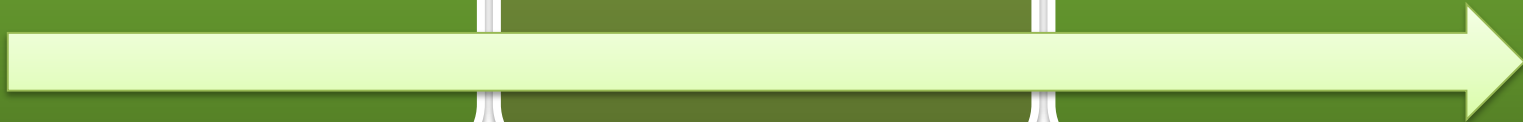
**1892**

- Doação da Fazenda São João da Montanha, por Luiz Vicente de Souza Queiroz, ao Governo do Estado de São Paulo



**1900**

- Piracicaba Technical Agriculture School is created by Decree 863-A





# ESALQ History

ESALQ



**1907**

- Inauguration of the Main Building

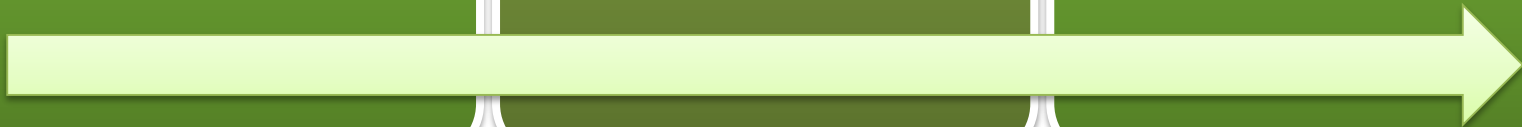
**1931**

- Luiz Vicente de Souza Queiroz donates land - the São João da Montanha farm - to the State of São Paulo



**1934**

- ESALQ and six other higher education institutions (HEIs) merge to start the University of São Paulo (USP)



# ESALQ History

ESALQ

**1964**

- ESALQ starts post-graduation programs

**1967**

- The Home Economics undergraduate programs starts (deactivated in 1991)

**1972**

- Undergraduate program in Forestry starts



**1998**

- Undergraduate program in Economics starts



# ESALQ History

ESALQ



**2001**

- Undergraduate program in Food Science starts



**2002**

- Undergraduate programs in Environmental Management and Biological Sciences start



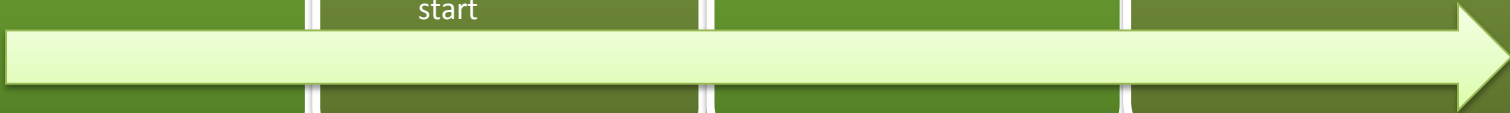
**2011**

- ESALQ celebrates its 110th anniversary



**2013**

- Undergraduate program in Management starts



# Quick Facts

**ca. 3,000 students**  
undergraduate and graduate programs

ca. 14,000 degrees awarded

7  
undergraduate  
programs

13 graduate  
programs, 1  
international, 1 inter-  
institutional and 2  
inter-unit programs

250 faculty  
members

550 technical and  
administrative staff

# Quick Facts

12 departments

Total area: 914 ha  
– Luiz de Queiroz  
Campus

150  
labs

4 experimental  
stations 2,910 ha

Surface area:  
262,320 m<sup>2</sup>

# Undergraduate Programs

## Agriculture

- 200 students/year
- full-time program
- 5 years



## Biological Sciences

- 30 students/year
- evening program
- 5 years



## Economics

- 40 students/year
- daytime program
- 4 years



## Environmental Management

- 40 students/year
- evening program
- 4 years



# Undergraduate Programs

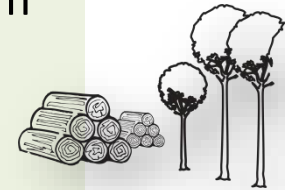
## Food Science

- 40 students/year
- evening program
- 5 years



## Forestry

- 40 students/year
- full-time program
- 5 years



## Management

- 40 students/year
- daytime program
- 4 years



# Graduate Programs

ESALQ



- Agricultural Microbiology
- Agricultural Statistics and Experimentation
- Agricultural Systems Engineering
- Animal Science and Pastures
- Applied Economics
- Crop Science
- Entomology
- Food Science and Technology
- Forest Resources
- Plant Genetics and Breeding
- Plant Pathology
- Plant Physiology and Biochemistry
- Soil and Plant Nutrition
- International Cellular and Molecular Plant

- Biology (Ph.D.) (USP/ESALQ, OSU and Rutgers)
- Applied Ecology (inter-unit: ESALQ and CENA)
- Bioenergy (inter-institutional: USP, Unicamp and Unesp)
- Bioinformatics (inter-unit: ESALQ and IME)





# Research

ESALQ

## **Animal production systems**

Ruminant production

Non-ruminant and aquaculture production

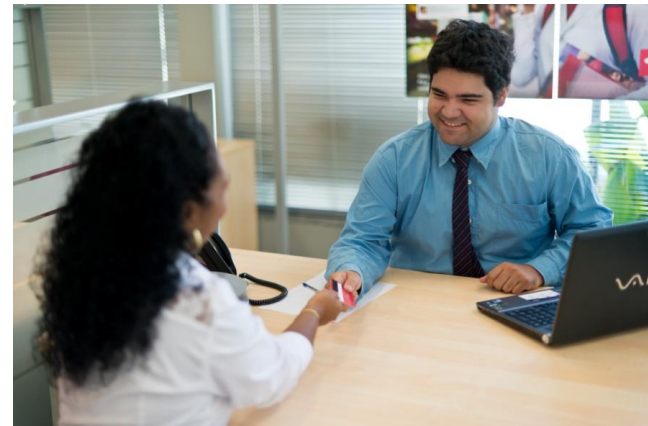
Breeding, biostatistics and molecular genetics

Physiology and reproduction



## **Applied economics, logistics and agribusiness: trade and social aspects**

The research topics include social welfare, social programs, international trade, prices, econometrics, transportation and storage of perishable goods



# Research

ESALQ

## **Biotechnology and Bioenergy**

Molecular markers

Genomics

Functional genomics

Genetically modified foods

Plant-pathogen interaction

Biotechnology applied to bioenergy



## **Crop science**

Cropping systems

Seed and weed sciences

Irrigated agriculture and crop modeling



# Research

ESALQ

## **Environmental management and forest resources**

Ecology, hydrology and forest biodiversity  
Forestry, forest harvesting and operations  
Management and restoration of natural ecosystems  
Forest biometrics, forest economics and management  
Forest soils, tree nutrition and physiology  
Wood technology and forest products



## **Food science and food safety**

Food processing and quality  
Food and beverage biotechnology  
Food microbiology and good manufacturing practices  
Food safety and applied nutrition



# Culture and Extension Services

interaction and integration between the  
academic setting and the society

Events and knowledge  
Dissemination,  
capacitation courses and  
academic specialization



Technical counselling:  
Casa do Produtor Rural (extension service  
center for farmers) and over 70 extension groups



Guided visits to the Campus



Cultural activities:  
musical groups, exhibitions, theatre



# International Affairs



over 70  
International Agreements

Double degree programs  
(Brazil/France)

- Agriculture
- Food Science

# Undergraduation International Programs

The logo for ESALQ is a green ribbon-like shape with a white border, containing the text "ESALQ" in a dark green, serif font.

ESALQ

Since **2005**, ESALQ offers three double degree in Agriculture programs:

- AgroParisTech;
- École d'Ingénieurs de Purpan-Toulouse, École Supérieure d'Agriculture-Angers, Institut Supérieur d'Agriculture de Lille, Institut Supérieur d'Agriculture et d'Agroalimentaire Rhône-Alpes-Lyon;
- Institut Polytechnique La Salle de Beauvais.

***Double degree diplomas granted: 57 USP/ESALQ and 32 foreign students***

**Double degree program in Food Science, offered since 2011:**

- École Nationale Vétérinaire, Agroalimentaire et de L'Alimentation Nantes-Atlantique (ONIRIS).

***Double degree diplomas granted: 1 ESALQ, 2 foreign students***

# Academic Agreements USP

USP

Internship agreements with public and private organizations:  
over 650 agreements over the last 3 years (1,400 students)

- Germany
- Argentina
- Belgium
- Benin
- Chile
- Colombia
- Korea
- Denmark
- Ecuador
- Scotland
- Spain
- United States
- Finland



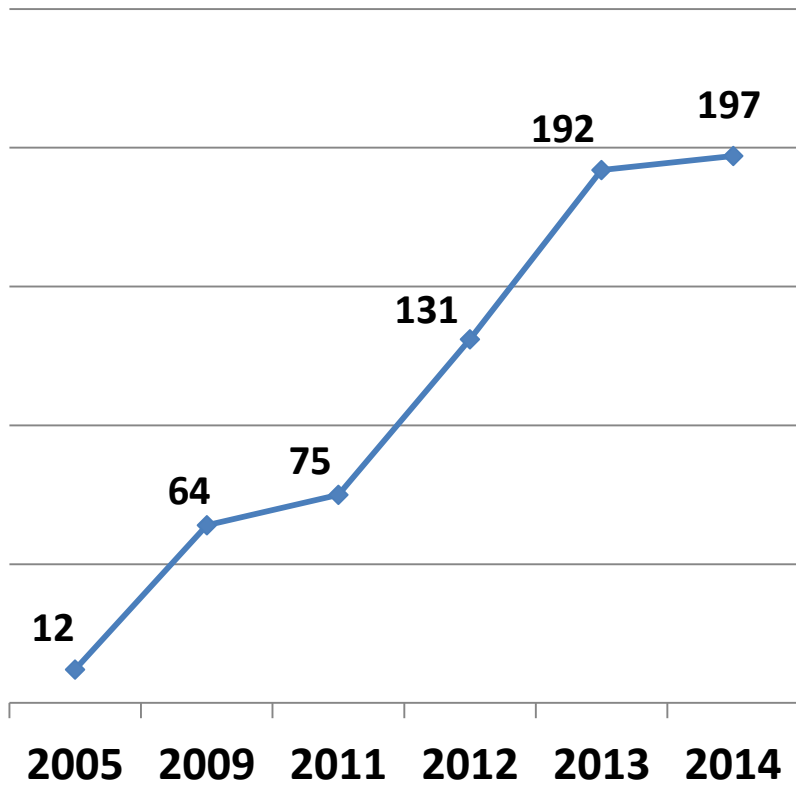
- France
- Honduras
- England
- Japan
- Mexico
- Norway
- Netherlands
- Paraguay
- Peru
- Poland
- Portugal
- United Kingdom
- Thailand



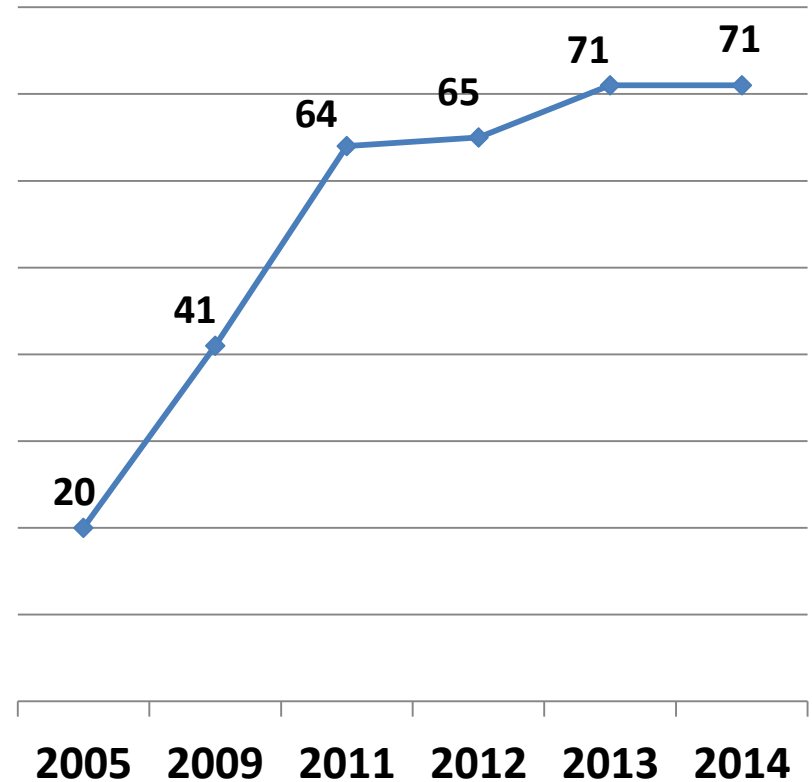
# Exchange Students

ESALQ

## ESALQ students abroad



## International students at ESALQ





# Departments



**Agri-food Industry,  
Food and Nutrition**



**Animal Science**



**Biological Sciences**



**Biosystems  
Engineering**



**Crop Science**



**Economics,  
Administration and  
Sociology**

# Departments

ESALQ



**Entomology and  
Acarology**



**Forest Sciences**



**Genetics**



**Math, Chemistry and  
Statistics**



**Plant Pathology and  
Nematology**



**Soil Science**

# University facilities



**University  
restaurant**



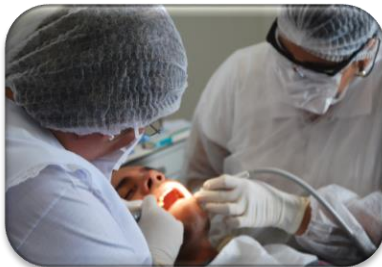
**Student  
housing**



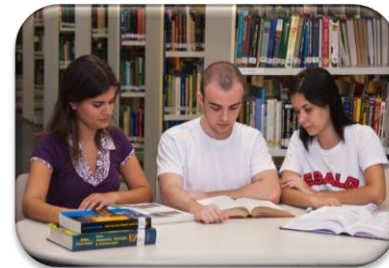
**Sports square**



**Computer  
rooms**



**Medical and  
dental services**



**Libraries**

# Academic Support



**Cultural activities**



**Internships**



**International student exchange programs**



**Socioeconomic and academic support scholarships**



**Prizes to outstanding students**

# Technical and Scientific Publications

ESALQ



# Office of Communications

- Date of establishment: 2001
- Expertise in the following areas:

Media relations



Internal and corporate communications



TV USP Piracicaba

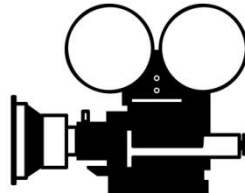


Photo services



Institutional event support





**University of São Paulo**

Marco Antonio Zago  
President

Vahan Agopyan  
Vice-president

**[www.usp.br](http://www.usp.br)**





## **Luiz de Queiroz College of Agriculture**

**Luiz Gustavo Nussio**  
Dean

**Durval Dourado Neto**  
Vice-dean

**[www.esalq.usp.br](http://www.esalq.usp.br)**



**USP/ESALQ**

**Office of Communications**

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**Updated Data in May, 2015**