

X International School – 2026

Class: 011225 Tropical Biobased Production Systems | 2026 July 13th - 24th

Coordinators: Profs. Aline Cesar, Ana Claudia dos Santos Luciano, Bruno da Silva Cerozi and Pietro Sica

Support - International Office: Carmen Pilotto, Elaine Oliveira, Luciana Joia and Rodrigo Gullo

Esalq/USP Campus (Av. Pádua Dias, n. 11, Piracicaba/SP) [Ceres Room - Central Building (C.B.)]



Draft programme

1st week

Monday – July 13	Activity
8:30 am - 10:00 am	Registration - Welcome Coffee (Dean and Coordination)
10:00 am - 12:00 pm	Opening Class: Overview of Brazilian Agriculture
<u>Local:</u> Ceres Room	Prof. Rafael Munhoz Pedroso (Dep. Crop Science) + Official Photo
12:00 pm - 1:30 pm	Lunch Break
1:30 pm - 5:00 pm	Orientation to Evaluation/Final Project (coordinators) Visit to the Carbon Research in Tropical Agriculture (CCARBON)/USP and Adealq Store
<u>Local:</u> Ceres Room	
Tuesday – July 14	Activity
8:30 am - 12:00 pm	Biosystems Engineering - An outlook for food and agriculture in the next decades - The future of digital agriculture: automation, AI, and robotics - Driving Sustainability through Biogas: concepts and practices from Brazil <i>10:00 am - Visit to the experimental area (Areão Farm)</i>
<u>Local:</u> Ceres Room Central Building	
12:00 pm - 1:30 pm	Lunch Break
1:30 pm - 3:30 pm	Animal Science - Milk Production in the Tropics <i>2:15 pm - Visit to the Calf (Baby Cow) Nursery - Dep. Animal Science</i>
<u>Local:</u> bus departure In front of the Central Building	
3:30 pm - 5:00 pm	Final Project Preparation (1) (students)
Wednesday - July 15	Activity
8:30 am – 12:00 pm	Entomology and Acarology - Challenges for Integrated Pest Management <i>9:30 am - Rotating Visits to Research Laboratories - Dep. Entomology and Acarology</i>
<u>Local:</u> bus departure In front of the Central Building	
12:00 pm - 1:30 pm	Lunch Break
1:30 pm - 5:00 pm	Final Project Preparation (2) (students)
Thursday - July 16	Activity
7:30 am – 6:00 pm	Forest Sciences Tropical Planted Forest Management <i>Visit to a forest restoration area (native species and fruit trees and another mixed plantation with native and exotic species) - Anhembi Forestry Research Station</i>
<u>Local:</u> bus departure In front of the Central Building	
Friday - July 17	Activity
8:30 am - 12:00 pm	Genetics - Past, Present, and Future of Arabica Coffee Genetics: from domestication to the challenge of climate change - Challenges and Opportunities of Maize Breeding under Tropical conditions of Brazil <i>10:30 am - Guided Visit to the Department of Genetics</i>
<u>Local:</u> Ceres Room Central Building	
12:00 pm - 1:30 pm	Lunch Break
1:30 pm - 3:30 pm	Economics, Administration and Sociology - Economics and Natural Resource use in Brazilian Agriculture - Carbon Credit Markets in Brazil
<u>Local:</u> Ceres Room - Central Building	
4:00 pm - 5:00 pm	Forest Sciences - Eucalyptus Pulp Production in Brazil
<u>Local:</u> Ceres Room, C.B.	
Saturday (18) and Sunday (19)	Free

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2nd week

Monday - July 20	Activity
8:30 am - 12:00 pm <u>Local:</u> Ceres Room Central Building	Crop Science - Irrigated Agriculture for supporting the World Food Security - Soybean Production in Brazil: current situation and prospects in a climate change scenario - Cotton and other fibrous plants
12:00 pm - 1:30 pm	Lunch Break
1:30 pm - 5:30 pm <u>Local: bus departure</u> In front of the Central Building	<i>Visit – Usina</i>
Tuesday - July 21	Activity
8:30 am - 12:00 pm <u>Local:</u> Dep. Soil Science (next to the Central Building)	Soil Science - Plant nutrition for heavy metal stress mitigation - Geotechnologies applied to Soil Studies <i>10:30 am - Visit to the Remote Sensing and Geoprocessing Lab. Applied to Soils and Land Use Planning, Dep. Soil Science</i>
12:00 pm - 1:30 pm	Lunch Break
1:30 pm - 2:30 pm <u>Local:</u> Ceres Room – C.B.	Plant Pathology and Nematology - Plant disease management in Tropical and Subtropical Areas
2:30 pm - 5:00 pm	Final Project Preparation (3) (students)
Wednesday- July 22	Activity
8:30 am - 10:30 pm <u>Local:</u> Ceres Room Central Building	Biological Sciences - Theobroma Cacao: how tropical pathogens threaten the world chocolate supply - Improving tomato fruit quality by targeting the APC/C regulator SISAMBA
10:30 pm - 12:00 pm	Final Project Preparation (4) (students)
12:00 pm - 1:30 pm	Lunch Break
1:30 pm - 5:00 pm <u>Local:</u> Ceres Room, C.B.	Final Project Preparation (5) (students)
Thursday- July 23	Activity
8:30 am - 12:pm <u>Local:</u> Dep. Food Science and Technology – Building 2 (in front of the restaurant)	Food Science and Technology - Sustainable Food and Bioenergy from Sugarcane - Cachaça: Quality Assurance and Control <i>10:30 am - Visit to the Pilot Plant/Distillery and Laboratories</i>
12:00 pm - 1:30 pm	Lunch Break
1:30 pm - 5:00 pm <u>Local:</u> Ceres Room, C. B.	<i>Visit – CTC</i>
Friday - July 24	Activity
8:30 am - 12:pm <u>Local:</u> Ceres Room, C.B.	Students Presentations
12:00 pm - 1:30 pm	Lunch Break
1:30 pm - 5:00 pm <u>Local:</u> Ceres Room, C.B.	Students Presentations

*Final Project proposal: During the course, students will be encouraged to work on creating an innovative project whose theme will be **Food and Nutritional Security in Tropical Production Systems**. At the end of the course, students will present their projects to the Esalq community and guests, and the best projects can be presented at global meetings in which A5 takes part.