CLSU | INTERNATIONAL AFFAIRS OFFICE | UC | SEAMEO SEARCA

ISSP 2026 | INTERNATIONAL SUMMER SHORT-TERM PROGRAM 2026

on Agricultural Productivity and Sustainability







Track A
Precision and Digital Agriculture



Track B
Integrated Approaches to Sustainable Goat Production and Enterprise Development



Track C
Sustainable Crop Biotechnology

Program starts from November 30 to December 12, 2026

Collaborating Partners:
Precision and Digital Agriculture Center
Small Ruminant Center
DA-Crop Biotechnology Center

Organized and Supported by:
Central Luzon State University (CLSU)
Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA)
Southeast Asian University Consortium for Graduate Education in Agriculture and Natural Resources (UC)

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PROGRAM PACKAGE

BENEFITS:

- Certificate of completion
- Cultural immersion
- International collaborative projects with peers

FEE:

FREE

- Meals and kits
- Local transportation
- Aiport pick-up and drop-off
- Accommodation (twin sharing basis)

Note: Participants are responsible for roundtrip air tickets and personal health insurance.

Overview of the Track Package

Track A



Precision and Digital Agriculture

Host Unit: CLSU Precision and Digital Agriculture

Featured Knowledge Sharing Sessions:

- Soil moisture sensors for water management
- Basic automation and instrumentation
- Application of Remote Sensing in Rice Production
- Application of Drone Technology in Agriculture
- Drip Irrigation System in Agriculture

Track B



Integrated Approaches to Sustainable Goat Production and Enterprise Development

Host Unit: CLSU Small Ruminant Center

Featured Knowledge Sharing Sessions:

- The Science of Herd Health: Helping Farmers Keep Goats and Sheep Healthy
- Natural and Artificial Breeding in Goats and Sheep: From Farm Practice to Laboratory Analysis
- Feed and Forage Analysis: The Science of Feeding Goats and Sheep
- What Does It Take to Run a Goat Farm? Animals, Data, and Daily Decisions
- The Udder Lab: Goat Milk Quality Testing and Safety
- The Marketplace: Goat Products, Customers, and Enterprise

Track C



Sustainable Crop Biotechnology

Host Unit: DA-Crop Biotechnology Center

Featured Knowledge Sharing Sessions:

- Molecular Approaches for Bacterial Identification
- General Laboratory Procedures, Equipment Use and Safety Considerations
- Basic Molecular Biology Techniques I. Bacterial DNA Extraction and Isolation
- Hands-on Bacterial Inoculation for DNA Extraction
- Hands-on Bacterial DNA Extraction (thru Potassium acetate)
- Lysis, Precipitation and Purification

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