



**SUMMER COURSE
ON SUSTAINABLE TROPICAL AGRICULTURE
“The Journey of Coffee from Seed to Cup”
4 July—8 August 2025**

Faculty of Agriculture, Universitas Gadjah Mada, Yogyakarta, Indonesia



CALL FOR PARTICIPATION

Course Description

Join our immersive Summer Course and explore the heart of sustainable tropical agriculture. Experience engaging field trips to an Agricultural Farm, a Coffee Plantation, and a Coffee Factory for a hands-on learning adventure. These excursions offer participants hands-on experience, bridging theoretical knowledge with practical insights into the entire value chain of tropical agriculture.

Throughout the course, participants will explore a diverse array of topics essential for thriving in tropical agricultural landscapes. From Sustainable Tropical Agriculture to Adaptive Farming Systems in Tropical Climates, Integrated Smallholder Plantations to Advancements in Agricultural Technology and Management, and Socio-Economic and Cultural Perspectives, each module provides a comprehensive understanding of the multifaceted challenges and opportunities inherent in tropical agriculture.

Complementing classroom sessions, the field trips will immerse participants in the daily operations of agricultural farms and coffee plantations, where they will engage with farmers and observe sustainable farming techniques firsthand. Guided by expert facilitators, participants will learn about agroforestry systems, soil conservation practices, and biodiversity conservation efforts tailored to tropical environments.

A key highlight of the field trips is a visit to a local coffee factory, where participants will follow the journey of coffee from plantation to final product. Through interactive tours and demonstrations, they will explore post-harvest processing, quality control, and value addition in the coffee industry.

These immersive experiences will not only deepen participants' understanding of sustainable tropical agriculture but also foster meaningful connections with local communities and ecosystems. By bridging theory with real-world application, the field trips enhance participants' ability to critically analyze agricultural practices and inspire innovative solutions to address pressing environmental and social challenges.

Join **Summer Course on Sustainable Tropical Agriculture 2025 : The Journey of Coffee from Seed to Cup** for an enriching educational experience that combines theoretical knowledge with immersive field trips, equipping participants with the skills and perspectives necessary to promote sustainability and resilience in tropical agriculture. Embark on a journey of discovery and transformation as we explore the rich landscapes of sustainable tropical agriculture and the fascinating world of coffee production.



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Learning Outcomes

At the end of the course, student participants should be able to:

1. Develop a deep understanding of sustainable tropical agriculture principles and practices, aligning with United Nations Sustainable Development Goal (SDG) 2: Zero Hunger, through the application of agroecology, biodiversity conservation, and soil management tailored to tropical environments.
2. Apply innovative climate-resilient strategies such as crop diversification and water management to enhance agricultural adaptability and resilience in tropical settings, contributing to SDG 13: Climate Action.
3. Implement integrated smallholder plantation systems to optimize yields, enhance ecosystem resilience, and improve livelihoods for small-scale farmers in tropical regions, in support of SDG 1: No Poverty and SDG 15: Life on Land.
4. Explore and utilize emerging agricultural technologies like precision farming and sustainable mechanization to enhance productivity and sustainability in tropical agriculture, contributing to SDG 9: Industry, Innovation, and Infrastructure.
5. Understand the socio-economic and cultural dimensions of tropical agriculture, including gender dynamics and community engagement, to promote inclusive and equitable agricultural development, aligning with SDG 5: Gender Equality and SDG 10: Reduced Inequalities.

Course Credit and Activities

This course is equivalent to 3 credits, with fully online activities that include:

Sections	Activities	Date	Venue
Pre-course	<ul style="list-style-type: none">• Independent study (16 hours)• Poster assignment (12 hours)	4 – 19 July 2025	Asynchronous in Learning Management System (LMS): 1x intro meeting, no lecture meetings, materials from lecturers and invited speakers available on the LMS
Course	<ul style="list-style-type: none">• Class meetings and discussion (30 hours, 5 days)• Quiz assignment (6 hours)• Offline Activities<ul style="list-style-type: none">- Field Trip (55 hours, 5 days)- Presentation preparation (15 hours)	Online Course: 21 – 25 July 2025 Field Trip: 4 – 8 August 2025	<ul style="list-style-type: none">- Synchronous in Zoom (for class meetings) and Field Trip (for offline participant)- Asynchronous in LMS (for assignments)- Other media (for independent research and group project)



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Sections	Activities	Date	Venue
	<ul style="list-style-type: none"> Independent research and group project (70 hours, online participants) Final presentation (2 hours) 	Final Presentation: 8 August 2025	

The credit hours are transferable. We will provide a credit transfer statement for students who complete all sections and evaluation of student performance. The credit transfer statement includes grade marks on individual student performance.

Sections	Activity	Day	Hours	Online only	Hybrid	Venue
Pre-course	Independent study	8	2	16	16	Asynchronous in Learning Management System (LMS): 1x intro meeting, no lecture meetings, materials from lecturers and invited speakers available on the LMS
	Poster assignment	4	3	12	12	Poster in LMS
Course	Class meetings and discussion	5	6	30	30	Synchronous in Zoom (for class meetings)
	Quiz assignment	3	2	6	6	Asynchronous in LMS (for assignments)
	Field Trip	5	11		55	Field trip
	Preparation presentation	5	3		15	Other media
	Independen research and group project	10	7	70		Other media
	Final Presentation	1	2	2	2	Offline class and Synchronous via Zoom (hybrid)
	Total Hours			136 (4,54 ECTS*)	136 (4,54 ECTS*)	

*ECTS: European Credit Transfer and Accumulation System



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Learning Approach

The Summer Course on Sustainable Tropical Agriculture 2025 uses a case-based learning approach. Course materials to cover in the summer course are:

1. Sustainable Tropical Agriculture
2. Adaptive Farming Systems in Tropical Climates
3. Integrated Smallholder Plantations
4. Advancements in Agricultural Technology and Management
5. Socio-Economic and Cultural Perspectives in Tropical Agriculture

The course program will be divided into two formats: online only, and hybrid (Figure 1). Learning resources are a combination of lecturers, independent research and group project (online only program), field trip (onsite-hybrid program), assignments, and presentation.

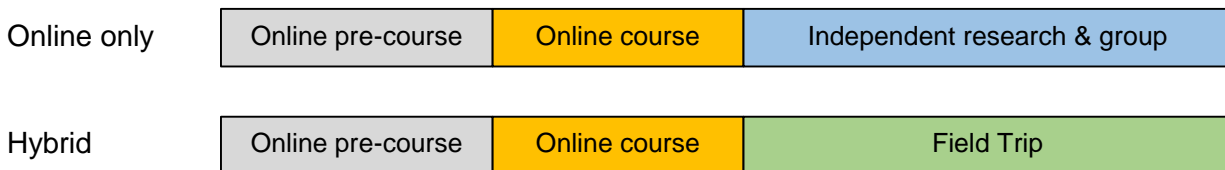


Figure 1. Summer Course 2025 course format.

Evaluation of Student Performance

No.	Criteria	Type	Percentage (%)
1	Poster assignment	Individual assignment	10
2	Attendance and active participation (lectures and group work)	Individual	30
3	Quizzes	Individual	15
4	Video presentation	Group assignment (in groups)	35
5	Course evaluation	Individual	10

Course Schedule *(subject to adjustment)*

a) Pre-Course Section

Date	Activities	Venue
4 July 2025	<ul style="list-style-type: none"> ● Online introduction of students and instructors ● Course description 	Zoom



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Date	Activities	Venue
	<ul style="list-style-type: none">• Q&A	
7—18 July 2025	<ul style="list-style-type: none">- Course materials and learning videos are available to watch by the students on the LMS.- Assignment 1: Individual assignment, the student is to create a poster that describes a case study related to the issues of sustainable tropical agriculture, whether from the perspective of (may choose one or more) agronomy, soil/water science, microbiology, plant protection, socio-economy, and best practices on sustainable tropical agriculture. The poster may be digitally made or hand-drawn/written.	LMS
19 July 2025	Deadline for poster submission	LMS

b) Online Course Meeting

Date	Activities	Resource persons
Monday, 21 July 2025 Time: 09:00 AM GMT+7	<ul style="list-style-type: none">- Formal opening ceremony- Class meeting 1: Sustainable Tropical Agriculture	<ul style="list-style-type: none">• Instructors & Teaching Assistants (TAs)• Experts
Tuesday, 22 July 2025 Time: 09:00 AM GMT+7	<ul style="list-style-type: none">- Class meeting 2: Adaptive Farming Systems in Tropical Climates- Assignment: Individual Quiz 1	<ul style="list-style-type: none">• Instructors & TAs• Experts
Wednesday, 23 July 2025 Time: 09:00 AM GMT+7	<ul style="list-style-type: none">- Class meeting 3: Integrated Smallholder Plantations	<ul style="list-style-type: none">• Instructors & TAs• Experts
Thursday, 24 July 2025 Time: 09:00 AM GMT+7	<ul style="list-style-type: none">- Class meeting 4: Advancements in Agricultural Technology and Management- Assignment: Individual Quiz 2	<ul style="list-style-type: none">• Instructors & TAs• Experts



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Date	Activities	Resource persons
Friday, 25 July 2025 Time: 09:00 AM GMT+7	<ul style="list-style-type: none">- Class meeting 5: Socio-Economic and Cultural Perspectives in Tropical Agriculture- Announcement of the student's working groups for Final Presentation (students may start to get to know each other of their group mates)	<ul style="list-style-type: none">• Instructors & TAs• Experts

c) Field Trip (Onsite Program)

Date	Venue	Activities
Monday, 4 August 2025	<ul style="list-style-type: none">• Gunung Gambar• Wanagama	Exploring reforestation areas and cultural heritage sites
Tuesday, 5 August 2025	Kopi Temanggung	Learning about coffee cultivation and processing
Wednesday, 6 August 2025	<ul style="list-style-type: none">• Bumi Langit Institute• Batik Giriloyo	<ul style="list-style-type: none">• Experiencing sustainable agriculture and eco-living• Batik-making workshop with local artisans
Thursday, 7 August 2025	Kopi Merapi Factory	<ul style="list-style-type: none">• Learning about coffee cultivation and processing• Understanding coffee production near an active volcano
Friday, 8 August 2025	Final Presentation	Presentation

*All venues are located in Yogyakarta and its surrounding areas.

d) Final Presentation

Date	Activities	Venue
Friday, 8 August 2025	Final Presentation	Hybrid (Zoom and Faculty of Agriculture UGM)



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Targeted Participants

Participants may include undergraduate, master, doctorate students, and academic researcher, both international and domestic students from Indonesia.

Application Form

- Registration: 21 March 2025 until 10 June 2025
- Link to register
<https://admission.ugm.ac.id/registration/>
- Link registration guide
https://drive.google.com/open?id=10UAbcES6q9p4m7brePowyktT_KtRUivX&usp=drive_fs

Several notes:

1. For the hybrid program, the Committee will provide **hotel accommodation, 3x meals a day, and local transportation** during the field trip from 4 August until 8 August 2025.
2. International applicants who have no passport may register with her/his country's identification. The identification should clearly state her/his nationality.
3. When applicants are asked to upload documents, the required documents include:
 - a) Photo/scan of the identification page on Passport (or own country's identification if Passport is not applicable).
 - b) Curriculum Vitae
 - c) Official passport size photo.
 - d) Transcript as proof of academic records (this must be the most recent but doesn't have to be official. The PDF print of transcript from the applicant's home university system is accepted).
4. For the hybrid program, International applicants must obtain a **C9 Short Course Visa** during the field trip in Indonesia. **The visa fee is Rp. 2,000,000**, and payment must be made independently by the applicant. The entire process will be assisted by the Committee.

More information

- Website : summercourse.faperta.ugm.ac.id
Email : summercourse.faperta@ugm.ac.id
Link to register : <https://admission.ugm.ac.id/registration/>
How to apply : <http://ugm.id/HowtoApplyAdmission2025>