



# FORESTRY SUMMER COURSE 2024

August, 12<sup>th</sup> - 26<sup>th</sup> 2024

Yogyakarta, Indonesia

## The VIII<sup>th</sup> International Forestry Summer Course: Tropical Forest Development Toward Carbon Neutrality and SDGs



## Background

The main agenda in higher education today is the internationalization of higher education. UGM has also enhanced its academic reputation globally by becoming one of the national universities with world-class status, as evidenced by the continuous improvement in its QS World University Rankings (QS WUR) over the years. In the past 5 years, UGM's QS WUR ranking has steadily risen, and in 2023, UGM was ranked 231st worldwide.

Programs that align with and support UGM's efforts toward becoming a "World Class University" are continually being strengthened. Initiatives such as bringing in foreign professors, professionals, and international students contribute to enhancing UGM's academic excellence and reputation. These programs can take the form of short courses or workshops, which elevate UGM's leverage on the global stage in the context of educational internationalization. One activity that supports internationalization in education is the **summer course** program, which involves participants from partner institutions abroad.

The Faculty of Forestry at UGM consistently strives to improve the quality of education, research, and community service related to forest and environmental conservation. One of their initiatives is **The VIII<sup>th</sup> International Forestry Summer Course**. In 2024, this summer course focuses on the topic of **"Tropical Forest Development Toward Carbon Neutrality and SDGs."** This theme was chosen because carbon emissions remain a critical issue in energy consumption. Many countries are working toward carbon neutrality, particularly in the manufacturing sector. The forestry sector is also committed to carbon neutrality and contributes to achieving the Sustainable Development Goals (SDGs) outlined in the 2030 Agenda. In line with that, it is indeed crucial to focus on partnerships and the internationalization of sustainable development achievements. Various outputs from the tropical forestry sector also play a role in achieving the Sustainable Development Goals (SDGs).

Under the overarching theme of the 2024 Summer Course, several learning modules will be presented:

1. Sustainable Forest Management and Carbon Economic Value
2. Silviculture for Carbon Sequestration Optimization
3. Utilization of Forest Products and Environmental Services
4. Biodiversity Conservation and Ecosystem Services
5. Introduction and Cultural Exchange of Nusantara Culture

The overall learning content is highly relevant for supporting climate change mitigation efforts, including increasing carbon reserves, reducing CO<sub>2</sub> emissions through concessions, peatlands, and biodiversity conservation. This theme aligns with Indonesia's commitment to climate change control, as reflected in its participation in the Paris Agreement under the United Nations Framework Convention on Climate Change. Indonesia aims to reduce CO<sub>2</sub> emissions by 29% domestically and 41% through international collaboration. Managing tropical forests also contributes to achieving the SDGs, promoting tangible benefits and well-being for the present and future generations.

The upcoming summer course activities are expected to further enhance academic collaboration networks with foreign institutions, particularly by fostering research collaboration, student exchanges, joint degrees, and double-degree programs.



## Learning Outcomes and Curriculum

- Understanding and describing the vision of sustainable tropical forest management, both in the present and in the future, in accordance with the dynamics of interests and contestations among stakeholders.
- Deeper understanding of climate change mitigation, carbon reserves, and emission reductions: across various forested landscapes, as well as biodiversity.
- Gaining a deeper understanding and comprehension of forestry program practices in achieving Sustainable Development Goals (SDGs).
- Understanding and describing efforts related to monitoring forest management for climate change mitigation in various countries and forest types, as well as utilization of wood-based forests, bioenergy, non-timber products.
- Being able to interact with diverse cultures and understanding the history and uniqueness of Nusantara culture, particularly in Yogyakarta.
- Composing straightforward scientific works and deriving meaning from the materials related to the given course themes during the short course.



<https://mikugm.id/scfkt2024>



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# Overseas Partners



## Japan

- Shizuoka University
- Kyoto University
- Ehime University
- Yamagata University
- Kyushu University
- Nagoya University
- Tokyo University of Agriculture and Technology



## Europe

- Georg-August-Universität Göttingen (Germany)
- Utrecht University (Netherlands)



## South-east Asia

- Kasetsart University (Thailand)
- Universiti Malaysia Sabah (Malaysia)
- Universiti Putra Malaysia (Malaysia)



## South Korea

- Kangwon National University
- South National University



## Canada

- The University of British Columbia (UBC)

## Learning Materials

Learning materials during this summer course include 8 days of class lecture (26 learning materials), 2 days of field trips, 3 days of cultural studies and 1 day of group discussions and presentations

## Credit and Transcript

This program is worth 3 credits. Student will be given a transcript from Faculty of Forestry UGM upon the completion of the program.

## Date

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## Schedule

Day 1 - 3	Opening and Online lectures
Day 4 - 5	Independent study
Day 6 - 7	Cultural studies
Day 8 - 10	Onsite lectures in Yogyakarta
Day 11 - 12	Field-practices
Day 13	Cultural studies
Day 14	Individual Assignments and Reports
Day 15	Closing Ceremony

## Registration

April, 1st - June, 30th 2024

<https://admission.ugm.ac.id/registration>

- **Registration:** Free
- **Lunch & Accommodation:** Provided
- **Student Travel Expenses:** Students are responsible for arranging and covering their own travel costs



## Contact and Information

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