

FACULTY OF AGRICULTURAL TECHNOLOGY
UNIVERSITAS BRAWIJAYA
INTERNATIONAL AND NATIONAL SUMMER COURSES
Innovative Agricultural Technologies for Future Food Security, Green
Industry, and Environment Sustainability
10 June - 31 August 2025

Type	Date	Time	Activities	Instructor	Hours	Class
Session 1						
online	Tuesday, 10 June 2025	Tentative	Opening and welcoming remarks Orientation and Introduction • Introduction session (students and facilitators) • Faculty of Agricultural Technology (FAT) UB at a glance • Global perspectives Program schedule overview : • Course outlines • Student activities, assignments and assessments • Students' grouping • Student competitions	Prof. Yusuf Hendrawan, STP., M.App.Life.Sc., Ph.D Dr. Panji Deoranto, STP, MP Nur Isstianah, ST., MT., M.Eng., Ph.D	4	I & D
online	Wednesday, 11 June 2025	Tentative	Innovative Agricultural Technologies for Future Food Security	Head of Dept. Tunjung Mahatmanto, STP, M.Si, Ph.D	3	Parallel
online	Thursday, 12 June 2025	Tentative	Innovative Agricultural Technologies for Future Green Industry	Head of Dept. Prof. Sri Suhartini, STP., M.Env.Mgt., Ph.D., PGCert.	3	Parallel
online	Friday, 13 June 2025	Tentative	Innovative Agricultural Technologies for Future Environment Sustainability	Head of Dept. Dr. Eng. Akhmad Adi Sulianto, S.TP., MT., M.Eng.	3	Parallel

Type	Date	Time	Activities	Instructor	Hours	Class
online	Monday, 16 June 2025	Tentative	Artificial Intelligence for Precision and Sustainable Agricultural Systems	Prof. Yusuf Hendrawan, STP., M.App.Life.Sc., Ph.D	3	I & D
online	Tuesday, 17 June 2025	Tentative	Digital Agriculture: IoT and Connectivity in Agricultural Systems • Exploration of Internet of Things (IoT) applications in agriculture. • Collaborative group project assignment.	Dr.Agr.Sc. Dimas Firmanda Al Riza, ST., M.Sc	3	I & D
online	Wednesday, 18 June 2025	Tentative	Emotional Face Mapping through Convolutional Neural Network for Conforming Relaxation Effect of Coffee Leaf Tea	Kiki Fibrianto, S.TP, M.Phil., Ph.D	3	I & D
online	Thursday, 19 June 2025	Tentative	Community Skills • Building a strong classroom community activities • Group activities	Endrika Widyastuti, S.Pt, MP, M.Sc, Ph.D	3	I & D
online	Thursday, 19 June 2025	Tentative	Practice in Community Skill	Suprayogi, S.TP, MP, Ph. D	4	I & D
online	Friday, 20 June 2025	Tentative	Study tour on Agricultural Technology Practices : an Overview • Introduction to Agricultural Technology Practices in Malang : from Small and Medium Enterprises to Industrial scale • Assignments (individual&group) Pre-departure announcements • Airport transfer • Students' accommodation • Students' buddies • Technical guides	Novia Lusiana, STP, M.Si, Ph.D Nur Istianah, ST., MT., M.Eng., Ph.D.	14	Parallel
Session 2						

Type	Date	Time	Activities	Instructor	Hours	Class
	Sunday, 22 June 2025		Arrival in Juanda International Airport, Surabaya Airport transfer will be provided by the university	Student buddies		I
On-site	Monday, 23 June 2025	08.00 – 08.30	Registration			I & D
On-site		08.30– 09.00	Opening and welcoming ceremony (international and national summer course)	Deanery FAT-UB		I & D
On-site		09.30– 12.00	Visiting Small and Medium Enterprises in Malang • Tempeh Production in Malang • FPTC FAT UB	Committee	3	I & D
On-site		12.00 – 13.00	Lunch Break			
On-site		13.00 – 15.00	Malang walking tours (optional) • Kajoetangan Heritage (local transport) • Malang City Tour □ Macito (datang lgsg dan proposal)	Committee	2	I
		15.00	Coming back to UB and dormitory			
On-site	Tuesday, 24 June 2025	07.00- 17.00	Industrial Visit • PT Wilmar Gresik	Committee	10	I & D
On-site	Wednesday, 25 June 2025	09.00- 12.00	Group Presentations (global perspective)	Committee	3	I & D
		12.00- 13.00	Lunch Break			
		13.00 - 18.00	ARTEFACT	Student association	5	I & D
On-site	Thursday, 26 June 2025	07.00 – 14.00	Cultural trip : • Batu adventure trip	Student Buddies Committee	14	I & D

Type	Date	Time	Activities	Instructor	Hours	Class
		15.30 – 17.00	Best participant award	Committee	2	I & D
		17.00 – 18.00	Break			
		19.00 – 21.00	Closing ceremony		2	I & D
	Friday, 27 June 2025		Departure to Juanda International Airport, Surabaya Airport transfer will be provided by university	Student Buddies		
Total course hours (A) = 84						
Assessments (B) = 84						

FAT-UNIVERSITAS BRAWIJAYA
INTERNATIONAL AND NATIONAL SUMMER COURSES (ONLINE)
Innovative Agricultural Technologies for Future Food Security, Green
Industry, and Environment Sustainability
1 July – 31 August 2025

Type	Date	Time	Activities	Instructor	Hours	Class
Session 3: Food Security						
Online	1 July 2025	Tentative	Processing technology for gluten free products	Dr.nat.techn. Elok Waziroh, S.TP., M.Si.	3	Parallel
Online	2 July 2025	Tentative	Sustainable coffee production in Indonesia	Wenny Bekti Sunarharum, STP., M.Food.St., Ph.D.	3	Parallel
Online	3 July 2025	Tentative	Food process engineering	Ahmad Zaki Mubarak, S.T.P., M.Si., Ph.D.	3	Parallel
Online	4 July 2025	Tentative	Food Physiochemistry (parboiled rice)	Jhauharotul Muchlisyyah, S.TP., M.P., Ph.D	3	Parallel
Online	7 July 2025	Tentative	Emulsion Technology	Fithri Choirun Nisa, S.T.P., M.P., Ph.D.	3	Parallel
Online	8 July 2025	Tentative	Biosensor	Dr.nat.techn. Sudarma Dita Wijayanti, STP., M.Sc., M.P.	3	Parallel
Online	9 July 2025	Tentative	Food and agricultural biotechnology development in Indonesia	Mochamad Nurcholis, S.T.P., M.P., Ph.D.	3	Parallel
Online	10 July 2025	Tentative	Food processing kinetics	Rini Yulianingsih S.TP, M.T, Ph.D.	3	Parallel
Online	11 July 2025	Tentative	Post-harvest technology for sustainable agriculture	Prof., La Choviya Hawa S.TP, M.P, Ph.D.	3	Parallel
Session 4: Green Industry						
Online	14 July 2025	Tentative	Enzyme Technology	Ir. Aji Sutrisno, M.Sc., Ph.D.	3	Parallel
Online	15 July 2025	Tentative	Drying technology and engineering	Beauty Suestining Diah Dewanti, S.T., M.T., Ph.D.	3	Parallel
Online	16 July 2025	Tentative	The Role of Biochar for Resilient Agriculture	Hendrix Yulis Setyawan S.TP, M.Si, Ph.D.	3	Parallel

Type	Date	Time	Activities	Instructor	Hours	Class
Online	17 July 2025	Tentative	Agro-industrial solid waste valorisation: Case studies of sugarcane industries in East Java Indonesia	Nimas Mayang Sabrina S. S.TP, M.Sc, M.P, Ph.D.	3	Parallel
Online	18 July 2025	Tentative	Green extraction	Nur Lailatul Rahmah S.Si, M.Si., Ph.D	3	Parallel
Online	21 July 2025	Tentative	UMKM development	Rizky L. R. Silalahi S.TP, M.Sc. Ph.D	3	Parallel
Online	22 July 2025	Tentative	Project management in agroindustry	Wike Agustin Prima Dania S.TP, M.Eng, Ph.D.	3	Parallel
Online	23 July 2025	Tentative	Sustainable Bioplastics Derived from Agricultural Resources	Prof. Dr. Ir., Musthofa Lutfi M.P.	3	Parallel
Online	24 July 2025	Tentative	Bioprocess design and modelling	Dr. Mochamad Hermanto S.TP, M.Sc.	3	Parallel
Online	25 July 2025	Tentative	Biomass conversion	Dr.Eng., Elya Mufidah S.Pi, M.P.	3	Parallel
Online	28 July 2025	Tentative	Herbal technology	Ni'matul Izza S.TP, M.T, Ph.D.	3	Parallel
Online	29 July 2025	Tentative	Sustainable membranes for integrated agricultural irrigation	Yusuf Wibisono S.TP, M.Sc, Ph.D.	3	Parallel
Online	30 July 2025	Tentative	Anaerobic technology	Yusron Sugiarto S.TP, M.P., M.Sc, Ph.D.	3	Parallel
Online	31 July 2025	Tentative	Agricultural and biosystem engineering	Prof.Dr.Ir., Bambang Susilo M.Sc.Agr.	3	Parallel
Session 5: Environment sustainability						
Online	1 August 2025	Tentative	Resource recovery for agriculture waste	Wahyunanto Agung Nugroho, STP., M.Eng., Ph.D.	3	Parallel
Online	4 August 2025	Tentative	Environmental monitoring and sustainability	Putri Setiani S.T, MES, Ph.D.	3	Parallel

Type	Date	Time	Activities	Instructor	Hours	Class
Online	5 August 2025	Tentative	Waste water treatment engineering	Luhur Akbar Devianto S.T, M.T. Ph.D	3	Parallel
Online	6 August 2025	Tentative	Environment impact assessment	Novia Lusiana S.TP, M.Si. Ph.D	3	Parallel
Online	7 August 2025	Tentative	Air quality	Aulia Nur Mustaqiman S.TP, M.Sc.	3	Parallel
Session 6						
Online	Tentative	Tentative	Seminar international participation (ICIBS)	Committee	9	I&D
Session 7						
Online	28 August 2025	Tentative	Group discussion on each subject	Committee	32	Parallel
Session 8						
Online	August 2025	Tentative	Group Presentation Feedbacks Closing remarks	Committee	16	Parallel
Total course hours (C) = 141 hours						
Assessment (D) = 141 hours						
A+B+C+D = 450 hours						