



2. Final course program (Morning)



Time (ART)	Mon. 12 June	Time (ART)	Tue. 13 June	Time (ART)	Wed. 14 June	Time (ART)	Thu. 15 June	Time (ART)	Fri. 16 June
9:00-10:00	Introduction to seasonal school	9:00-9:45	Module 4 (Mariano)	9:00-9:45	Module 6 (Polina)	9:00-9:45	Module 8 (Mariano)	9:00-9:45	Module 10 (Matias)
10:00-10:45	Module 1 (Ma. Cecilia)	10:00-10:45	Module 5 (Sandra)	10:00-10:45	Module 7 (Horacio)	10:00-10:45	Module 9 (Udayanto)	10:00-10:45	Module 11 (Risto)
10:45-11:15	Break	10:45-11:15	Break	10:45-11:15	Break	10:45-11:15	Break	10:45-11:15	Break
11:15-12:00	Module 2 (Alexis)	11:15-12:00	Module 5 (Sandra)	11:15-12:00	Module 7 (Horacio)	11:15-12:00	Module 9 (Udayanto)	11:15-12:00	Module 11 (Risto)
12:00-13:00	Module 3 (Polina)	12:00-13:00	Panel Discussion #1 (Ma. Cecilia)	12:00-13:00	Panel Discussion #2 (Alexis)	12:00-13:00	Panel Discussion #3 (Matias)	12:00-13:00	Module 12 (Alexis)
13:00-14:00	Lunch break	13:00-14:00	Lunch break	13:00-14:00	Lunch break	13:00-14:00	Lunch break	13:00-14:00	Lunch break

Discipline 1: Horticulture and Hydroponics	Discipline 2: Sensing and Information Processing	Discipline 3: Communications & Networking	Discipline 4: Automation and Control
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2. Teaching module description



	#	Duration	Teacher	Title of the teaching module
Module Number	1	45 min.	Ma. Cecilia	Introduction for soilless practices for vertical farming
	2	45 min.	Alexis	Introduction to wireless communications
	3	45 min.	Polina	Introduction to decentralized and event-driven control
	4	45 min.	Mariano	Introduction to image signal processing
	5	90 min.	Sandra	Management of hydroponic systems
	6	45 min.	Polina	Automation of processes in a smart vertical farm
	7	90 min.	Horacio	IoT connectivity technologies (Wi-Fi, Bluetooth, LoRa/SigFox)
	8	45 min.	Mariano	Machine learning algorithms for image classification
	9	90 min.	Udayanto	Fundamentals of IEC 61499 standard
	10	45 min.	Matias	Indoor farming in Latin America and Europe: Lessons learnt
	11	90 min.	Risto	Signal processing algorithms for information acquisition
	12	45 min.	Alexis	5G technologies for automation and Industrial IoT

