

# PROGRAMME

**The 4<sup>th</sup> International Course on Climate Change and Modelling  
25 April-6 May 2022  
NİĞDE ÖMER HALİSDEMİR UNIVERSITY  
FACULTY OF AGRICULTURAL SCIENCES AND TECHNOLOGIES**

<b>Date</b>	<b>Subject</b>	<b>Instructor</b>
Monday April 25, 2022	Introduction to the course	Mehmet Emin Çalışkan
	Introduction to course programme, groups	Ayten Kübra Yağız
	Principles of crop modelling	Tefide Kızıldeniz
Tuesday April 26, 2022	Climate change effects on crops	Tefide Kızıldeniz
	Climate change effects on agroecology	Khawar Jabran
Wednesday April 27, 2022	Crop Ecology and cultivation Sugar beet	Mehmet Emin Çalışkan
	Crop Ecology and cultivation Soybean	Sevgi Çalışkan
	Crop Ecology and cultivation Corn	Mustafa Avcı
	Crop Ecology and cultivation Cotton	Ufuk Demirel
	Crop Ecology and cultivation wheat	Mustafa Avcı
Thursday April 28, 2022	Crop cultivation, ecology and modelling of crops (potato as example)	Anton Haverkort
	Climate, Soil, Water	Anton Haverkort
	Introduction to Lintul	Anton Haverkort
	Practicing LINTUL Potato version	Staff
Friday April 29, 2022	Parameters development & growth potato	Anton Haverkort
	Parameters development & growth sugar beet	Mehmet Emin Çalışkan
	Parameters development & growth sugar Soy	Sevgi Çalışkan
Monday May 2, 2022	Parameters development & growth Corn	Mustafa Avcı
	Parameters development & growth Cotton	Ufuk Demirel
	Parameters development & growth Wheat	Mustafa Avcı
Tuesday- Wednesday May 3-4, 2022	<ul style="list-style-type: none"> <li>• Data Collection in literature</li> <li>• Preparation of a joint article</li> </ul>	All Groups + Staff
Thursday May 5, 2022	LINTUL with 6 crops (optimizing sowing/planting dates, yield forecasting, agro-zoning, irrigation climate change)	Staff
Friday May 6, 2022	<ul style="list-style-type: none"> <li>• Article writing: "Lintul applied to 6 different crops"</li> <li>• Each group delivers a case per crop</li> <li>• Diploma</li> </ul>	Staff + groups

	<ul style="list-style-type: none"><li>• Final course evaluation (Questionnaire)</li></ul>	
--	---	--

**Staff:**

- Tefide Kızıldeniz
- Ayten Kübra Yağız
- Anton Haverkort
- Ali Kaan Yetik

**Crops of Interests:**

- Potato
- Soy Bean
- Cotton
- Wheat
- Sugar Beet
- Maize

## **ANNOUNCEMENT**

**The 4<sup>th</sup> International Course on Climate Change and Modelling  
25 April-6 May 2022  
NİĞDE ÖMER HALİSDEMİR UNIVERSITY  
FACULTY OF AGRICULTURAL SCIENCES AND TECHNOLOGIES**

**What you will learn:**

- Crop management of various crops such as Potato, Soy Bean, Cotton, Wheat, Sugar Beet, Maize, tropical crops
- Crop ecology of these crops (temperature, water and solar radiation needs) of these crops
- Systems analysis, modelling development and growth using the LINTUL crop model
- Using the model in various conditions (regions, climates, irrigation, climate change)
- Write a scientific article