



Introduction to Food Security (3 credits)

Part of the Food Safety & Security Summer Institute

June 30 – July 4, 2019, 8:45-15:30

Exam on July 5, 2019

Course number: 0466.4003 (The course is associated with the Plant Biology track but open to graduate students in all tracks)

Course website: foodsecurity.tau.ac.il/intro

Taught by Prof. Nir Ohad (TAU), Dr. Ram Fishman (TAU), Prof. Tim Benton (Leeds), Prof. Elliot Berry (HUJI/Ministry of Health), Dr. Sarit Smila-Sened (TAU), Prof. Dror Avisar (TAU), Dr. Ron Porat (ARO-Volcani), Prof. Marcelo Sternberg (TAU), Prof. Aron Troen (HUJI), Mr. Ido Rosolio, Dr. Gidon Toperoff (Ministry of Agriculture), Ms. Maya Givon (TNS Israel), Ms. Hilly Hirt (Israeli Innovation Authority)

This course introduces students to the concepts, programs and policies of food security. This course is designed to meet the needs of students in the fields of life sciences, social sciences, public health and environmental studies. A final written exam will be conducted at the end of the course.

Sunday June 30 2019

Time	Lecturer	Topic
8:45-9:00	Prof. Nir Ohad (TAU)	Opening
9:00-10:15	Prof. Tim Benton (Leeds)	Overview of food systems: the need for change
10:15-10:30	BREAK	
10:30-11:15	Prof. Marcelo Sternberg (TAU)	
11:15-11:30	BREAK	
11:30-12:15	Prof. Marcelo Sternberg (TAU)	
12:15-1:00	LUNCH	
1:00-1:45	Dr. Sarit Smila-Sened (TAU)	Ethical aspects of food security
1:45-2:30	Prof. Nir Ohad	Modern Approaches to Crop Improvement
2:30-3:30	Discussion	

Monday July 1 2019

Time	Lecturer	Topic
9:30-11:00	Prof. Aron Troen (HUJI)	Food Insecurity in a High Income Country - The Israeli Experience: (Food Waste, Food Banks, and Policy Challenges)
11:00-11:15	BREAK	
11:15-12:45	Prof. Elliot Berry (HUJI/Ministry of Health)	Food Security: its nature and metrics / Coping with Food Insecurity: The role of the Sociotype and Positive Deviance
12:45-1:30	LUNCH	
1:30-3:00	Dr. Ram Fishman (TAU)	Food and Economics: Understanding the choices of producers and consumers
3:00-3:30	Discussion	



Tuesday July 2 2019

Mini conference and field trip to Shfayim

Wed July 3 2019

Time	Lecturer	Topic
8:45-10:15	Prof. Dror Avisar (TAU)	Advanced treatment for water reuse (contamination, reuse, case study)
10:15-11:00	BREAK	
11:00-11:15	Dr. Ron Porat (ARO-Volcani Institute)	Global food crisis
11:15-11:30	BREAK	
11:30-12:15	Dr. Ron Porat (ARO-Volcani Institute)	Food waste and food loss
12:15-1:00	LUNCH	
1:00-2:30	Prof. Tim Benton (Leeds)	The future of food systems: politics, people and the planet
2:30-3:30	Discussion	

Thursday July 4

Time	Lecturer	Topic
8:45-9:30	Mr. Ido Rosolio	
9:30-10:15	Dr. Gidon Toperoff (Ministry of Agriculture)	Preparing for climate change
10:15-10:30	BREAK	
10:30-11:15	Dr. Gidon Toperoff (Ministry of Agriculture)	Israeli farming and its capacity to provide nutritional security
11:15-11:30	Ms. Maya Givon (The Natural Step Israel)	Food waste
12:15-1:00	LUNCH	
1:00-2:30	Ms. Hilly Hirt (Israeli Innovation Authority)	Innovations in agriculture and food-tech
2:30-3:30	Discussion	