Introduction to Food Security
July 1-5, 2018, 8:45-15:30
Exam on July 6, 2018
Course number: 0466.4003

Taught by Prof. Nir Ohad (TAU), Dr. Ram Fishman (TAU), Prof. David Just (Cornell), Dr. Jan Low (CIP/CGIAR), Prof. Elliot Berry (FAO/HUJI), Prof. Ronit Endvalt (Haifa/Ministry of Health), Dr. Sarit Sened (TAU), Ms. Efrat Elimelech (U of Haifa), Prof. Kevin Folta (U of Florida), Prof. Dror Avisar (TAU), Dr. Dafna Langgut (TAU), Jonathan Henen (Trendlines), Dr. Ziva Hamama (Ministry of Health)

3 credits

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, July 1
Prof. Nir Ohad – Broad introduction of the topic
Dr. Ram Fishman – Food and Economics: Understanding the choices of producers and consumers
Prof. David Just – Basics of behavioral economics / methods / case study
Open Discussion

Monday, July 2
Dr. Jan Low – Understanding Food Security VS Food Systems and the Role of Diet Quality
Tackling Vitamin A deficiency using Biofortified Sweetpotato in Sub-Saharan Africa
Prof. Elliot Berry – Coping with Food Insecurity: Introducing the sociotype
Positive Deviance and the Mediterranean Diet
Prof. Ronit Endvalt – The interface between nutrition and policy
Open Discussion
Tuesday, July 3

Dr. Sarit Sened – Ethical aspects of food security
Ms. Efrat Elimelech – Food Loss
Prof. Kevin Folta – GMOs / The Green Revolution / Future of technology and plants
Open Discussion

Wednesday, July 4 – Conference

9:30-16:00  The Future of Food: Where Science, Policy and Consumers Converge

Thursday, July 5

Prof. Dror Avisar – Advanced treatment for water reuse (contamination, reuse, case study?)
Dr. Dafna Langgut – Food security in antiquity
Dr. Ziva Hamama – Risk management in food
Mr. Jonathan Herer (Trendlines) – Innovations in Food
TBA – applied food security/precision agriculture
Dr. Jan Low – The Challenge of Obtaining Healthy, Affordable Diets (practical exercise)
Wrap up discussion and course feedback

Friday, July 6

Final Exam

The course is associated with the Plant Biology track but open to graduate students in all tracks.