



## **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 Endvald (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 Endvald – 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.**