



STATE OF ISRAEL



Israel's Agency for International  
Development Cooperation  
Ministry of Foreign Affairs



THE HEBREW  
UNIVERSITY  
OF JERUSALEM

**MASHAV - Israel's Agency for International Development  
Cooperation**

**with**

**The Hebrew University of Jerusalem  
Robert H. Smith Faculty  
of Agriculture, Food & Environment  
The International School of Agricultural Sciences**

invites professionals

to participate in the

**International Course:**

**Agricultural and Natural Resource  
Economics – Changes in the Era of  
Globalization**

**November 4 –23, 2018**



## About the Course

### Background

MASHAV is the Hebrew acronym for the Israel's Agency for International Development Cooperation, a department established 50 years ago in Israel's Ministry of Foreign Affairs. MASHAV is responsible for designing and implementing Israel's international development programs, carried out in Israel and in developing partner countries.

In cooperation with the Hebrew University of Jerusalem's Robert H. Smith Faculty of Agriculture – MASHAV's only academic professional affiliate in agriculture – we are pleased to announce the opening of a training and capacity building program entitled Agricultural and Natural Resource Economics – Changes in the Era Of Globalization. The course will be held in Israel at the Robert H. Smith Faculty of Agriculture, Food and Environment, The International School of Agricultural Sciences in Rehovot, from November 4 –23, 2018.

Agriculture is still the single most important economic sector and source of employment in emerging markets. Seventy percent of the world's poor live in rural areas. In the next decades, Many of the world's poorest regions could suffer food shortage and insufficient natural resources essential for economical growth and development.

Climate change and sustainable environment call for more sophisticated and efficient agricultural technology as the world population grows and the amount of arable land decreases. According to the Environmental Protection Agency (EPA), farmers will have to deal with “increased potential” for extreme events like droughts, floods and heat waves,” and “enduring changes in climate, water supply and soil moisture could make it less feasible to continue crop production in certain regions.” More mouths to feed, plus less arable land and changing rainfall patterns, mean a growing need to develop methods of production from alternative resources and technological solutions that can increase productivity. In other words, there is a growing demand for more agri-green solutions that will allow farmers to do more with less while minimizing the negative effect on the environment.

### Aims

The aim of this course is to provide decision making tools that will enable the participants to confront the present and expected challenges in the agricultural sector, and to make decisions regarding management of natural resources used for sustainable agricultural production. These tools will also help deal with global financial changes, including international trade agreements and terms of trade; greenhouse gas emission reduction, environmental changes, changing rainfall patterns etc.

Israel has extraordinary experience and "know-how" in confronting these challenges, particularly when dealing with the agriculture-water-environment relationship. The course addresses these issues with a multi-disciplinary decision-making approach while focusing on the agri-environmental considerations needed under climatic changes.

The course suggests concepts methodologies and information that can be later adapted and implemented by the participant when confronting challenges in their own countries. In addition, the course promotes networking and research cooperation among the participants and the Israeli experts.

## Main Subjects

The MASHAV program **Agricultural and Natural Resource Economics – Changes in the Era Of Globalization** offers a unique learning opportunity for mid-career practitioners and decision-makers to broaden their knowledge and perspectives on agricultural and natural resource science, policy and management. Through exposure to innovative sustainability approaches, field tours and dialogues, participants will develop the tools and skills necessary to confront global changing environments and increase food security and economic stability.

Workshop topics will be:

1. **Population, Health, Wealth and the Environment:** Understanding global changes and regional demographic dynamics and conceptual frameworks linking population, health, poverty/wealth and the environment. Learning successful community-based approaches for integrating population issues with natural resource management and promotion of sustainable livelihoods.
2. **Policies for sustainable development:** Understanding the principles of environmental policy-making and trade-off analysis with respect to land use, food, fuel and biodiversity. Learning to identify different economic instruments, including life-cycle analysis, policy options and market strategies for solving complex environmental problems such as climate change, degradation of ecosystem services, and renewable and non-renewable resource scarcity. Learning methods to assess demand for environmental amenities and develop strategies to implement change.
3. **Resources and Sustainable Agricultural Management:** Discussing current technologies and policy approaches that jointly promote sustainable agriculture and conserve natural resources, including agricultural production technologies, drip irrigation technologies, sludge management, land cultivation practices, eco-agriculture, and GIS tools for community-based resource monitoring.
4. **Impact Assessment and Quantitative Analysis:** Introduction of methods to evaluate and compare the impact of environmental, agronomic, and economic policies. Learning how to design experiments to quantify the impacts of policy interventions and how to look for and use available data to assess effectiveness of natural resources and agronomic development.
5. **Mitigation and Adaptation to Climate Change:** The workshop will cover three major issues: 1. Working Landscapes and Biodiversity Conservation; 2. Climate Change Science, Mitigation & Adaptation; 3. Water Governance, Monitoring & Management.

## Application

### Application Requirements

#### Course completion

Each participant will prepare a seminar presentation, which will be reviewed and graded. It should apply knowledge acquired during the course to a topic in Agricultural and Natural Resource Economics. Participants are advised to bring with them digitalized data relevant to their countries. On completion of the course and fulfillment of its requirements, participants will receive certificates.

#### Requirements

Candidates interested in attending this program require:

- An academic degree (M.Sc. or above) in economics, environmental sciences, Agriculture or development studies from a recognized university. (A copy of the degree must be included with the application form).
- An authorized certificate of high level English proficiency or a certificate proving that English was the language of study.
- A detailed record of studies must be included with application forms.
- A statement of good health signed by the applicant.
- Two letters of recommendation from the candidate's place of work or study.

### **Cost and application**

Scholarships are available from MASHAV (see below) to cover the fee for study. The scholarship covers tuition, board, lodging, health insurance and travel in Israel required for the purposes of the program of studies. This fee does not include travel costs to and from the home countries or incidental expenses.

Application forms may be obtained from the nearest Israeli diplomatic or consular representative or can be downloaded from the website of the Israel Foreign Ministry, MASHAV Study Programs at:

<http://mfa.gov.il/MFA/mashav/Courses/Pages/default.aspx>

Completed applications **MUST** be sent directly to the Israeli representative in your country by **September 1, 2018**. In addition, you must send a copy of the forms in PDF format and **not** JPEG to the Faculty by email to **malab@savion.huji.ac.il**.

### **Additional information**

**ACCOMMODATIONS:** Single bedroom accommodation in a shared apartment will be provided in our fully equipped guest house on campus. Meals will be provided. Both laundry (on campus) and dry cleaning (in town) are at the participant's expense.

### **Application forms**

Application forms and other information may be obtained at the nearest Israeli mission or at MASHAV's website: <http://mashav.mfa.gov.il/MFA/mashav/Courses/Pages/default.aspx>.

Completed application forms, including the medical form, should be sent to the relevant Israeli mission in the respective country.

## **General Information**

### **Arrival and Departure**

Arrival date: 4/11/2018

Opening date: 5/11/2018

Closing date: 22/11/2018

Departure date: 23/11/2018

Participants must arrive at the training center on the arrival date, and leave on the departure date. Early arrivals/late departures if required, must be arranged by the participants themselves, directly with the hotel/center, and must be paid for by the participant him/herself.

### **Airport transportation**

Those accepted to the course will supply flight details to their local Israeli representative and to us. Upon arrival in Israel, the participant will pick up his/her luggage. After passing through customs, the participant will enter the arrivals terminal and walk towards the left. Go up the escalator to the first floor. On the left, behind the car rental counters, you will see a counter of a company called **MONI-SITON**. This is a special taxi service, which has a list of expected arrivals. Go to the counter and tell them your name, country and that you're attending a course at the Faculty. You will be taken to the Faculty of Agriculture, Rehovot, free of charge. This service is pre-paid. **PLEASE DO NOT TAKE ANY OTHER FORM OF**

## **TRANSPORTATION!**

### **Health**

Medical insurance covers medical services and hospitalization in case of emergency. It does not cover the treatment of chronic or serious diseases, specific medications taken by the participant on a regular basis, dental care and eyeglasses. Health authorities recommend that visitors to Israel make sure they have been inoculated against tetanus in the last ten years. Subject to the full binding policy conditions, participants are responsible for all other expenses.

### **About MASHAV**

MASHAV – Israel’s Agency for International Development Cooperation is dedicated to providing developing countries with the best of Israel’s experience in development and planning. As a member of the family of nations, The State of Israel is committed to fulfilling its responsibility to contribute to the fight against poverty and to the global efforts to achieve sustainable development. MASHAV, representing Israel and its people, focuses its efforts on capacity building, sharing relevant expertise accumulated during Israel’s own development experience to empower governments, communities and individuals to improve their own lives.

MASHAV’s approach is to ensure social, economic and environmental sustainable development, and is taking active part in the international community’s process of shaping the Post-2015 Agenda, to define the new set of the global Sustainable Development Goals (SDGs).

MASHAV’s activities focus primarily on areas in which Israel has a competitive advantage, including agriculture and rural development; water resources management; entrepreneurship and innovation; community development; medicine and public health, empowerment of women and education. Professional programs are based on a “train the trainers” approach to institutional and human capacity building, and are conducted both in Israel and abroad. Project development is supported by the seconding of short and long-term experts, as well as on-site interventions. Since its establishment, MASHAV has promoted the centrality of human resource enrichment and institutional capacity building in the development process – an approach which has attained global consensus.

<http://mashav.mfa.gov.il>

<https://www.facebook.com/MASHAVisrael>

## About The Hebrew University of Jerusalem

This 20-day course is truly a joint venture. Involved in its implementation are:

1. Academics: under the auspices of the Hebrew University of Jerusalem's Robert H. Smith Faculty of Agriculture, Food & Environment. Academic Coordinator: Dr. Dafna DiSegni.
2. Administration: by the Faculty's International School of Agricultural Sciences
3. In cooperation with the Division for International Cooperation of the Ministry of Foreign Affairs (MASHAV).

### The Hebrew University of Jerusalem

The Hebrew University of Jerusalem was opened in 1925, preceding the establishment of the State of Israel by more than two decades. The University was designed to be a world class institution of higher learning and research. Today, the Hebrew University comprises seven faculties, 15 schools, some 60 research centers, a student body of about 23,000 and a tenured-track faculty of some 1,500. One third of its enrollment is at the M.Sc. and Ph.D. level.

### The Robert H. Smith Faculty of Agriculture, Food & Environment

The Hebrew University's Robert H. Smith Faculty of Agriculture, Food & Environment was established in 1942 in Rehovot, a city at a distance of some 55 km from the main campus of the University in Jerusalem. The site was chosen with considerations of its climate and soil conditions. It is the only agricultural institution of higher education in Israel offering university degrees. The International School of Agricultural Sciences aim is to expose academic graduates from abroad to post-graduate programs, giving them insight into the achievements and research of Israel in general and of the Faculty in particular, expanding their knowledge in specific fields and creating opportunities for international cooperation.

### For further information, please contact:

Robert H. Smith Faculty of Agriculture, Food & Environment

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**Website:** [www.intschool.agri.huji.ac.il/](http://www.intschool.agri.huji.ac.il/)