



STATE OF ISRAEL



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



THE HEBREW
UNIVERSITY
OF JERUSALEM

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

The International School of
Agricultural Sciences

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

with

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

invite professionals
to participate in the International Course:

**NUTRITION IN A CHANGING GLOBAL
ENVIRONMENT**

August 27, 2017- September 19, 2017



About the course

Background

In cooperation with the Hebrew University of Jerusalem's Faculty of Agriculture – MASHAV's only academic affiliate – we are pleased to announce the opening of a training and capacity building program on **NUTRITION IN A CHANGING GLOBAL ENVIRONMENT**.

The course will be held in Israel at the Robert H. Smith Faculty of Agriculture, Food and Environment, International School of Agricultural Sciences, in Rehovot from, August 27, 2017- September 19, 2017.

AIMS

Major changes have occurred in the global diet. In the past, malnutrition and infectious diseases were of primary concern. They remain a challenge, but today we also face an emerging trend towards over nutrition and chronic diseases (cardiovascular, diabetes, cancer). Nutrition transition has made fast-food, high in fats and simple sugars, the preferred menu for millions of individuals around the world and in particular for growing percentages of populations in developing countries. More and more processed foods are available and foods made from natural, locally-grown produce are disappearing. As we better understand how diet affects our health, it is clear that drastic dietary changes must be made.

First, the physiological needs of each age group must be understood, followed by appropriate dietary recommendations that will promote good health. It is also evident that exposures throughout the lifespan, including in utero, affect long term health. Health professionals should have the tools to carry out critical evaluation of the most recent nutritional studies and implement appropriate changes in the community. "Informed" food choices based on sound scientific evidence can insure good nutrition for all.

OBJECTIVES

The program's objectives are:

- To provide an overview of the nutritional needs of different populations.
- To understand current nutritional guidelines established to provide optimal dietary intake for all age groups.
- To critically examine how nutritional recommendations are made and to evaluate epidemiological and clinical evidence.
- To understand the lifespan approach to nutrition.
- To discuss emerging trends in modern nutritional sciences.
- To develop new tools for implementing nutritional recommendations.

MAIN SUBJECTS

This program's topics of study will include:

- Nutrition throughout the life-cycle: infants, children, adolescents, mothers, adults and the elderly.
- Understanding evidence-based nutrition.
- The obesity epidemic.
- The Microbiome and health.
- Fetal Programming.
- Functional Foods.
- Nutrigenomics- how nutrients interact with genes.
- Supplementation and fortification.
- Nutrition in chronic disease.
- Nutrition transition.

STUDY CONDITIONS

Classes will be held at the Faculty's Rehovot campus, where there are laboratories, advanced research equipment and the central library of Agricultural Science.

Around-the-clock computer access will be provided, and computers will be used extensively.

We recommend that participants who own a personal computer bring it with them for their own convenience.

Scientific material and homework will be assigned and graded.

Professional field trips will be held.

Full attendance is required.

*We reserve the right to make changes in the academic program.

APPLICATION

Application Requirements

COURSE COMPLETION

Each participant will prepare a seminar presentation, which will be reviewed and graded. This presentation should apply knowledge acquired during the course to a nutritional, public health challenge facing your country (for example: obesity, AIDS, iodine deficiency, etc.). 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, which will be accredited by many universities.

Requirements

Candidates interested in attending this program require:

- M.Sc. degree or above in nutrition, dietetics, medicine, bio-chemistry, health education, or a related field, from a recognized university. (A detailed record of studies and copies of degrees must be included with application forms.)
- Documentation of academic studies conducted in English OR a TOEFL score of at least 89 on the internet-based scale OR an internationally recognized equivalent. (The language of instruction is English, Therefore, participants whose native tongue is not English, must furnish proof of proficiency in this language.)
- Professional experience in the field is recommended (at least 3 years).
- This course is designed for public health practitioners, nutritionists, dietitians, health educationists, and academicians in relevant fields.
- An official certificate of good health signed and stamped by a doctor.
- Two letters of recommendation are required from the candidate's place of work or university.

Application forms

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

Completed applications MUST be sent directly to the Israeli representative in your country by June 20, 2017. In addition, please send a copy of the forms in PDF format (and not JPEG) to the Faculty by email to: **helenadahab@savion.huji.ac.il**

General Information

Arrival and Departure

Arrival date: 27/08/2017

Opening date: 28/08/2017

Closing date: 19/09/2017

Departure date: 19/09/2017 late afternoon or 20/09/2017 during the day

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.

Location and Accommodation

MASHAV awards a limited number of scholarships. The scholarship covers the cost of the training program including lectures and field visits, full board accommodation, health insurance (see below) and transfers to and from the airport. **Airfares and daily allowance** are not included in the scholarship.

Health Services

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.

Accommodations: The course will be held at The Hebrew University's Robert H. Smith Faculty of Agriculture, Food & Environment, situated in Rehovot. Participants will be accommodated in single bedroom accommodation in a shared apartment will be provided in our fully equipped guest house on campus.

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

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 is aimed 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:

Address: The International School of Agricultural Sciences Robert H. Smith Faculty of Agriculture, Food & Environment P.O. Box 12, Rehovot, Israel 76100

Tel: 972-8-9489509

Fax: 972-8-9470171

Email: helenadahab@savion.huji.ac.il

Website: <http://intschool.agri.huji.ac.il/>