



MASHAV - Israel's Agency for International Development Cooperation



**The Hebrew University of Jerusalem
The Robert H. Smith Faculty of Agriculture, Food & Environment, Division for International Studies**

Advanced Methods for Increasing Dairy Yield: Small & Large Ruminants

January 6– January 30, 2014

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 development partner countries.

In cooperation with the Hebrew University of Jerusalem's Faculty of Agriculture – MASHAV's only academic professional affiliate – we are pleased to announce the opening of a training and capacity building program entitled:

Advanced Methods for Increasing Dairy Yield: Small & Large Ruminants.

The course will be held in Israel at the Robert H. Smith Faculty of Agriculture, Food and Environment, Division of International Studies in Rehovot.

ISRAELI SUCCESS AS AN EXAMPLE TO ADAPT

Israel –a hot country – has developed technology and experience to overcome dairy industry obstacles (such as high temperatures). Not only is the Israeli dairy industry profitable, but an Israeli company that creates technological solutions is a global leader in computerized dairy management systems and exports them to nations around the world to reform, improve, and modernize the milking parlor, both for cattle and for small ruminants.

RATIONALE FOR AN APPROACH

The scientists at The Hebrew University of Jerusalem's Robert H. Smith Faculty of Agriculture, Food & Environment have expertise on a variety of agricultural issues. The Division for International Studies is experienced at conducting capacity-building courses for internationals from both developing and developed countries. Faculty instructors, who advocate adapting Israeli strategies to local environments, demonstrate techniques, and encourage continued networking for sustained support and interaction among professionals from different regions.

OBJECTIVES

The aim of the capacity-building courses is to provide participants with the latest industry developments and key information to address current issues as well as to respond more effectively to challenges as they arise. The skills acquired will enhance their ability to help alleviate problems, facilitate improvements, and design long-term strategies for their country's future. It will challenge participants to approach obstacles with consideration for the broad ramifications and long-term implications of possible solutions, including influences on the local population, environment, and economy. This course is designed to train professionals in the subjects of the physiology and dairy management of sheep, goats, and especially cows.

FOCAL TOPICS:

- Dairy farming for cattle and small ruminants
- Nutrition for dairy cows and dairy small ruminants
- Heat-stress management
- Anatomy & physiology of ruminants
- Considerations for the animals' comfort
- Fertility & breeding
- Dairy production and milk quality
- Housing and equipment
- Management aspects of intensive small ruminants farming
- Economic aspects of dairy farming
- Veterinary aspects, including common diseases

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. 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.

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 Dairy yield. 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 animal husbandry, agriculture, biology, or veterinary medicine from a recognized university. (A detailed record of studies and copy of last degree 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 isn't English, must furnish proof of proficiency in this language.)

Professional experience in the field is recommended.

An official certificate of good health.

Letters of recommendation are required from the candidate's place of work or university.

COST AND APPLICATION

Scholarships are available from MASHAV (see below) to cover the fee for study. The scholarship covers tuition, board, lodging 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 also be downloaded from the website of the Foreign Ministry of Israel, MASHAV Study Programs. Their address is:

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

Completed applications (**2 copies**) **MUST** be sent directly to the Israeli representative in your country by **November 10, 2013**. In addition, please send a copy of the forms in PDF format and **NOT** JPEG to the Faculty by email to: malab@savion.huji.ac.il .

*Please note that submission of a late application may lessen the applicant's chances of being accepted to the course.

ADDITIONAL DETAILS FOR PARTICIPANTS

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.

WEATHER: The weather in Israel during the winter months is varied, approximately 10-22° C. There may be some sunny days where light clothing is appropriate, but it might also rain and be cool during the season. Participants are requested to bring clothes suitable for outdoor activities including a warm jacket and comfortable walking shoes. We also recommend that you bring some light sweaters, long-sleeved shirts, a rain coat and an umbrella.

INSURANCE: Participants are insured for medical care during their stay in Israel. This does not include pre-existing conditions and /or major dental care. Personal belongings are not insured, and are the responsibility of each individual.

Participants who take regular MEDICATION **must** bring enough medicine for the duration of the course. Participants who wear GLASSES are advised to bring a spare pair. We recommend that HAND LUGGAGE include basic toiletries and a change of clothes for the first day or so. These should be carried separately in case of delay in baggage delivery. Participants will not receive any allowance or pocket money. Please bring some money for SMALL EXPENSES.

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!**

PARTICIPATING INSTITUTIONS

This 25-day course is truly a joint venture. Involved in its implementation are:

Academics: under the auspices of the Hebrew University of Jerusalem's Robert H. Smith Faculty of Agriculture, Food & Environment. Academic Coordinators: Dr. Zvi Roth, from the Department of Animal Sciences and Dr. Haim Leibovich, Consultant of Small Ruminants Production Systems. Administration: by the Faculty's Division for International Studies in cooperation with the Division for International Cooperation of the Ministry for Foreign Affairs (MASHAV).

MASHAV

Israel's Agency for International Development Cooperation, known as MASHAV in its Hebrew acronym, was founded in 1958 as part of the Ministry of Foreign Affairs. It is responsible for initiating and implementing Israel's development-cooperation program worldwide. MASHAV aims at transferring the expertise and technologies, which have assisted Israel in its own path

to development, to other countries. Today, Israel cooperates with almost 140 countries, providing training in Israel and abroad, operating on-site demonstration projects and building medical infrastructures in partner countries. MASHAV is active in fields ranging from agriculture to medicine and from community development to entrepreneurship.

THE HEBREW UNIVERSITY OF JERUSALEM

The Hebrew University of Jerusalem was opened in 1925, preceding the establishment of the State of Israel by over two decades. The University was designed to be a world class institution of higher learning and research. Today, the Hebrew University comprises 7 faculties, 15 schools, some 60 research centers, a present 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 (35 miles) from the main campus of the University in Jerusalem. The site was chosen due to considerations of climate and soil conditions. It is the only agricultural institution of higher education in Israel offering university degrees.

The Faculty's Division for International Studies was established in 1986. One of its aims 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.

COMMUNICATION

Further information relating to the subject matter of the course may be obtained from:

Division for International Studies

Robert H. Smith Faculty of Agriculture, Food & Environment

P.O. Box 12

Rehovot, Israel 76100

Tel. 972-8-9489509, or 972-8-9489511

Fax. 972-8-9470171

Web-site: <http://departments.agri.huji.ac.il/externalstudies/index.php>

Director: Ms. Miri Ben-Haim

Program Administrator: Ms. Mala Braslavsky

Email address: malab@savion.huji.ac.il