



THE INTERNATIONAL SCHOOL OF AGRICULTURAL SCIENCES

The Hebrew University
of Jerusalem

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



Summer Program in Agricultural Sciences

July 11-28, 2022

Course descriptions, admission requirements and program costs

Effluents – Reclamation, irrigation and environmental implication

3 credits (42 academic hours)

Agricultural and environmental aspects of reclaiming waste water, characteristics and use for crop irrigation: waste water sources and treatment; water quality parameters; methods of treatment; health, logistic and regulatory aspects; effect of treated waste water quality on soils and crops; technological aspects of the use of treated waste water; future directions in waste water characteristics and implications of its use and impact on agriculture and the environment.

Effects of biotic and abiotic stresses on agricultural crops

2 credits (28 academic hours)

Biotic and abiotic (drought, temperature, salinity, radiation) factors that stress plants in general, and vegetable and field crops in particular; approaches for mitigating adverse effects of such stresses; the genetic, physiological and biochemical processes that underlie plant response to stress factors; crop resistance to various stress factors and agronomic approaches for optimal agricultural productivity under stress conditions. Discussion of case studies concerning soil salinity, drought stress, insect damage.





Admission Requirements

- B.Sc. degree holders or third-year undergraduate students in agriculture, soil and water sciences, plant sciences, biology or related fields from a recognized academic institution.
- GPA of 80 or higher (B on the American scale).
- A high level of proficiency in all English skills, either:
 - At least 89 on the TOEFL internet-based test.
 - At least 6.7 on the IELTS.
 - Or documentation of previous academic studies conducted in English.
 - For Chinese applicants – CET 6 of at least 450.
- A copy of curriculum vitae (CV)
- Agricultural experience (recommended but not compulsory).

***Second-year students may be considered depending on their academic record and experience.**

Please send all, in a PDF format

Program Costs:

Students receiving scholarship

Estimated Cost in New Israeli Shekels (NIS)	
700	Registration fee (non-refundable). In case of cancellation you will not be reimbursed for the registration fee.
4,500	Estimated personal expenses (food, travel on weekends etc. for the entire program)
Cost of airfare	Travel

Student not receiving scholarship

Estimated Cost in New Israeli Shekels (NIS)	
700	Registration fee (nonrefundable). This amount will be deducted from your tuition. In case of cancellation you will not be reimbursed for the registration fee.
10,000	Tuition, study tours and travel insurance
4,500	Estimated personal expenses (food, travel on weekends etc. for the entire program)
Cost of airfare	Travel
150 per night	Housing