



TEL AVIV אוניברסיטת תל אביב
UNIVERSITY תל אביב

Full Syllabus



Course Title

Farming, farmers and environment

Lecturer

Opher Mendelsohn

Semester

A

Course requirements

Final grade components

100% assignment - short seminar paper and presentation

Course schedule

Class no. / Date	Subject and Requirements (assignments, reading materials, tasks, etc.)
1	Introduction and a concise history of agriculture
2	Basic biology of the major crops
3	Hybrid lesson – promoting agroecological farming in developing countries
4	Soil – the hidden resource
5	Livestock farming
6	Pest biology and crop protection
7	Agriculture and the environment – mitigation and adaption to climate change, biodiversity, natural resources etc.
8	Less conventional agricultural practices – organic, permaculture, regenerative, biodynamic etc.
9	Advanced agricultural technologies – protected crops, precision agriculture, vertical farming, robots etc.
10	GMO (Genetically Modified Organisms) – the promise and the controversy
11	Diffusion of innovation and adoption of technologies in rural communities
12	Case studies of new technologies' adoption
13	Students' presentations

Required course reading

Optional course reading

Comments



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The course will be opened depending on a minimum number of participants