



Organic agriculture (226349)

Nositelj predmeta

[izv. prof. dr. sc. Darija Bilandžija](#)

Opis predmeta

Introduction to elementary concepts of plant and animal breeding based on organic principles. Organic agriculture as an opportunity to mitigate climate change and biodiversity conservation. Organic agriculture and the environment. Problems, advantages, disadvantages, conditions and limitations of various Croatian regions for the development of this form of agriculture.

ECTS: **6.00**

E-učenje: **R1**

Sati nastave: 60

Predavanja: 20

Vježbe u praktikumu: 11

Seminar: 25

Terenske vježbe: 4

Izvođač predavanja

- [prof. dr. sc. Ivica Kisić](#)
- [izv. prof. dr. sc. Darija Bilandžija](#)

Izvođač vježbi

- [prof. dr. sc. Ivica Kisić](#)

Izvođač seminara

- [izv. prof. dr. sc. Darija Bilandžija](#)

Ocjenjivanje

Dovoljan (2):

Dobar (3):

Vrlo dobar (4):

Izvrstan (5):

Vrsta predmeta

- Graduate studies / [Environment, agriculture and resource management](#) (Izborni predmet, 4. semestar, 2. godina)

Opće kompetencije

- understand the concept of organic farming
- the specificity of this form of agriculture in crop production and livestock farming and permaculture
- the forms of organic agriculture
- the problems, advantages, disadvantages, conditions and limitations of the various regions of Croatia for the development of this form of agriculture
- the adaptation and mitigation of climate change by applying organic agriculture
- on organic farming and alternative forms of tourism?

Oblici nastave

- Lectures
- Field work
- Seminars

Ishodi učenja i način provjere

Ishod učenja	Način provjere
Environmental consequences of agriculture with high agrochemical input	Oral exam
Ecological (organic, biological) agriculture as a response to mitigate the negative consequences for the environment	Oral exam
The role of organic agriculture in mitigating climate change	Oral exam
The role of organic agriculture in preserving biodiversity	Oral exam
Organic agriculture and low input agriculture	Oral exam
Forms of organic agriculture: Biodynamic agriculture, Biological, Permaculture	Oral exam
The legal framework of the organic agriculture (EC 834/2007; EEC 2092/91, EC889/2008, EC 1235/2008)	Oral exam

Polaganje ispita

Elementi praćenja	Maksimalno bodova ili udio u ocjeni	Bodovna skala ocjena	Ocjena	Broj sati izravne nastave	Ukupni broj sati rada prosječnog studenta	ECTS bodovi
Seminar papers	25 %	60-70 % 71-80 % 81-90 % 91-100 %	Dovoljan (2) Dobar (3) Vrlo dobar (4) Izvrstan (5)	4	1	2
Oral final exam	75 %	60-70 % 71-80 % 81-90 % 91-100 %	Dovoljan (2) Dobar (3) Vrlo dobar (4) Izvrstan (5)	6	1	4
Total	100 %			10	2	6

Oral final exam	The students will be asked to explain, critically appraise, and interpret correctly relevant teaching materials	The end of the course	
-----------------	---	-----------------------	--

Obvezna literatura

1. Kisić I. (2014). Uvod u ekološku poljoprivredu. p. 340, Agronomski fakultet Sveučilišta u Zagrebu, Zagreb.
2. Hansen, A.L., (2010). The Organic farming manual - A Comprehensive Guide to Starting and Running a Certified Organic Farm, p. 436. Storey Publishing.
3. Lichtfouse E. (2010). Genetic Engineering, Biofertilisation, Soil Quality and Organic Farming. p. 414, Springer.
4. Marshall Bradley F., Ellis B.W., Phillips E. (2009). Rodales Ultimate Encyclopedia of Organic Gardening, p. 707. Rodale Press.
5. Kristiansen P., Taji A., Reganold J. (2006): Organic Agriculture - A Global Perspective, p. 449. CABI Publishing.
6. Myers A. (2005). Organic Futures - The case for Organic Farming., p. 256 Cornwall, UK.
7. Lampkin N. (1990). Organic Farming, p. 714. Farming Press, UK.

Preporučena literatura

1. Hamilton N. (2007). Grow organic - Friut and vegetables from your garden, p. 336. New Holland Publishers, UK.
2. Masson, P. (2007). A Biodynamic manual - Practical instructions for farmers and gardeners, p. 199. Floris Books.
3. McLeod J. (2007). Botanicas Pocket - Organic Gardening. The A-Z of healty gardening, p. 608. Tandem Verlag GmbH.
4. Davies G., Lennartsson M. (2005). Organic vegetable Production - A complete guide, p. 350. The Crowood Press.
5. Grewell, J.B., Danly, L.L.M., Landry, C.J. (2003): Ecological Agrarian: Agricultures First Evolution in 10 000 Years, p. 220. Purdue University Press.
6. Robert S. (1999). Organic farming: methods and markets: an introduce to ecological agriculture.

Sličan predmet na srodnim sveučilištima

- Organic Agriculture, BOKU
- Osnove ekološke biljne proizvodnje, Sveučilište J.J. Strossmayera u Osijeku
- Organic farming, Sveučilište u Ljubljani
- Osnove ekološkega kmetijstva, Sveučilište u Mariboru