



TITLE OF THE COURSE:	Organic farming
Course code:	AFADM006
Course group:	C
Faculty:	Agriculture Academy, Agronomy Faculty
Study program:	Agroecosystems
Level:	<u>Bachelor /Master / PhD</u>
Semester:	<u>Autumn / Spring</u>
ECTS credits:	6
Language of instruction	English
Course lecturer/s:	Prof. Kęstutis Romaneckas
Short course description:	Course objective is to present and analyze the main theoretical principles of organic farming and technology, to develop the ability to assess the environmental situation of agricultural production in the process and do the analysis based on the findings.
Course content:	Lectures: Reasons for the start of ecological (organic, biological, biodynamic) and other alternative agricultural systems as healthy and safe food. Prospects for organic agriculture development in Lithuania and the world. Inspection and certification of agricultural organic production. Qualitative, physical and economic aspects of the transition from traditional chemistry to organic farming. Developing viable soil as a key alternative to agriculture. Peculiarities of productive crop - agrofitocenosis formation in organic agriculture. Contemporary approach to targets and tasks. Theoretical basics of non-chemical crop weed control system. Principles of pest control in organic agriculture.



	<p>Organic gardening and horticulture.</p> <p>Organic livestock farming.</p> <p>Optimization of organic farming production, processing and realization.</p> <p>Practical:</p> <p>Organic farming organizations in Lithuania. Specific organizations are visited, interacted with their staff, and summarized by these organizations.</p> <p>Certification and trade in organic products. Practical analysis of trading venues and methods applied in Lithuania.</p> <p>Visit to certified organic farms of different directions, analysis of their technological parameters.</p> <p>Individual task. "X" assessment of the ecological environment of the farm, determination of its compliance with ecological standards.</p>												
<p>Grading and evaluating student work in class and/or at the final exam:</p>	<table border="1"> <thead> <tr> <th><i>Assessment type</i></th> <th><i>Weighted score</i></th> </tr> </thead> <tbody> <tr> <td>Intermediate test</td> <td>0.1</td> </tr> <tr> <td>Individual work</td> <td>0.2</td> </tr> <tr> <td>Practicums</td> <td>0.2</td> </tr> <tr> <td>Examination</td> <td>0.5</td> </tr> <tr> <td>Total</td> <td>1.0</td> </tr> </tbody> </table>	<i>Assessment type</i>	<i>Weighted score</i>	Intermediate test	0.1	Individual work	0.2	Practicums	0.2	Examination	0.5	Total	1.0
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<p>Required reading and additional study material</p>	<p>Eliot Coleman. The New Organic Grower, 3rd Edition: A Master's Manual of Tools and Techniques for the Home and Market Gardener, 30th Anniversary Edition. 2018. Available at: https://books.google.lt/books?id=561vDwAAQBAJ&printsec=frontcover&source=gbs_ge_summary_r&cad=0#v=onepage&q&f=false</p> <p>Peter V. Fossil. Organic Farming: How to Raise, Certify, and Market Organic Crops and Livestock. 2014. Available at: https://books.google.lt/books?id=OtrTAAwAAQBAJ&printsec=frontcover&source=gbs_ge_summary_r&cad=0#v=onepage&q&f=false</p> <p>Herrmann H., Plakolm H. Ökologischer Landbau. Wien. 1991. 428 p.</p> <p>Lampkin N. Organic Farming. Tonbridge: Farming Press. 1999. 715 p.</p> <p>Le Guillou G, Scharpe A. Organic farming. Guide to Community rules. Luxembourg: Office for Official Publications of the European Communities; 2001.</p> <p>William Lockeretz. Organic Farming: An International History. 2007. Available at: https://books.google.lt/books?hl=en&lr=&id=cIJsfX3JnIkC&oi=fnd&pg=PR5&dq=history+of+organic+farming&ots=R61b87Qjnr&sig=O33g5xi653Y5b__opDMuGSRftGM&redir_esc=y#v=onepage&q=history%20of%20organic%20farming&f=false</p> <p>Matthias Stolze, Nicolas Lampkin. Policy for organic farming: Rationale and concepts. Food Policy 34 (2009) 237–244. Available at: https://ac.els-</p>												



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<i>Additional information (if applicable)</i>	Available for bachelor students at 5 credits ECTS.