

Subject name	Organic Farming	
Subject code	R.9.2s.ORF.SM.RROXY	
Department	Agrotechnology and Agricultural Ecology	
Faculty	Agriculture and Economics	
Subject supervisor/Lecturer	Dr. Maciej Chowaniak	
General information	Semester	Winter or summer
	ECTS credits	4
	Lectures total	15 hrs
	Classes/field classes	20/10 hrs
Objective and general description	<p>During the course the principles of organic farming system will be discussed, including a proper crop rotation, soil cultivation, organic fertilization and crop protection. Also regulations related with this farming system, and information on how and where to obtain the certificate of the organic farm will be presented.</p> <p>Lectures</p> <ol style="list-style-type: none"> 1. General characteristic of organic farming 2. The role of crop rotation 3. Cultivation of soil 4. Fertilization in organic farming 5. Crop protection 6. Crop protection 7. Intercrops 8. Transition into organic farming 9. Cereals in organic farming 10. Root crops in organic farming 11. Legumes and perennial crops in organic farming 12. Vegetables and fruits in organic farming 13. Livestock rearing 14. Certification of organic farm 15. Profitability of organic farming <p>Classes</p> <ol style="list-style-type: none"> 1-4. Farm transition to organic farming system – selection of crop plants to rotation, soil tillage, plant protection and management. 5-8. Crop rotations, specificity of crop-plants growing 9-12. Soil tillage (agrotechnology cards for crop-plants in rotation) 13-16. Plant nutrition (permitted mineral and organic fertilizers) 17-20. Plant protection in narrow and wide row species 21-30. Visiting an organic farm. 	
Assessment method	Lectures: Test; Classes: Project	
References	<ol style="list-style-type: none"> 1. Organic agriculture A global perspective. 2006. Ed.: Kristiansesn P., Taji A., Reganold J., CABI Publishing. 2. Natural resource management in agriculture. 2004. Ed.: B. Shiferaw, H.A. Freeman, S.M. Swinton, CABI Publishing. 3. B. Šarapatka, J. Urban et al. 2009. Organic Agriculture. IAEL, Prague. 	