

Study programme: General Agronomy				
Type and level of study: Bachelor's degree (240 ECTS) – First cycle				
Course title: Land Reclamation				
Lecturer: Prof. Gordana M. Šekularac, PhD				
Language of instruction: English				
ECTS credits: 7				
Prerequisite:				
Semester: <i>summer</i>				
Course objective Use of modern approaches to land reclamation.				
Learning outcomes Knowledge of problem solving in land reclamation systems.				
Course contents <i>Theoretical instruction</i> Irrigation; Drainage; Soil erosion control. <i>Practical instruction</i> Basic principles of land surveying; Determination of the water content of soils for amelioration purposes; Measurement and calculation of the intensity of water-induced soil erosion.				
Recommended reading Asawa, G. L. (2005): Irrigation and Water Resources Engineering. Published by New Age International (P) Ltd., Publishers, New Delhi. Available at: http://www.getebook.in/resources/civil_ebook/new_ebook_30092014/Irrigation_and_Water_Resources_Engineering.pdf RIDEM (2014). Rhode Island Soil Erosion and Sediment Control Handbook. Southern Rhode Island Conservation District, Kingston. Available at: http://www.dem.ri.gov/soilerosion2014final.pdf Tuohy, P., Fenton, O., O' Loughlin, J., Humphreys, J. (2013): Land Drainage – A farmer's practical guide to draining grassland in Ireland. Series 20. Moorepark Animal & Grassland Research and Innovation Centre, Moorepark, Fermoy, Co. Cork. Available at: http://www.teagasc.ie/publications/2013/2821/Land%20Drainage%20Manual.pdf				
Hours of active teaching				Other classes
Lectures:	Practicals: 2x15=30	Other forms of teaching: Tutorials: 3x15=45	Individual work:	
Teaching methods Practicals (practice room and field work), interactive teaching, progress tests, individual work, written examination.				
Assessment (maximum points 100)				
Examination requirements		Points	Final examination	Points
Class participation		10	oral examination	
Practical sessions/tests		20	written examination	50
Term paper assignments/homework		20	
Project				
Other				
Grading system				
Grade		ECTS	Description	
10		91-100	Excellent	
9		81-90	Exceptionally good	
8		71-80	Very good	
7		61-70	Good	
6		51-60	Passing	
5		≤50	Failing	