

Study programme: General Agronomy				
Type and level of study: Bachelor's degree (240 ECTS) – First cycle				
Course title: Fruit Crops				
Lecturer: Prof. Tomo Milošević, PhD, Radmila Ilić				
Language of instruction: English				
ECTS credits: 6				
Prerequisite:				
Semester: <i>summer</i>				
Course objective				
To provide knowledge of biological and economic properties of pome fruits, stone fruits, nuts, small fruits and subtropical fruits, cultivars and their rootstocks; their requirements in terms of environmental factors (climate, soil, orography) and optimum management practices (cultural and orchard management operations) to obtain reliable yields of high-quality fruit.				
Learning outcomes				
Based on the theoretical and practical knowledge acquired, the student will be able to independently use the most recent methods and models regarding a proper choice of pome, stone, nut, small and subtropical fruits, their cultivars and rootstocks, optimum environmental conditions and intensive cultivation technology, and apply fruit harvest, grading, packaging and storage models.				
Course contents				
<i>Theoretical instruction</i>				
Fundamentals; systematics; economic importance, history and origin, local and global distribution, morphological and physiological traits, wild species (founder crops, wild relatives), rootstocks (in fruit trees and some small fruits), cultivars, interactions between fruit crops and cultivars and environmental factors, crop-specific cultivation methods, and fruit harvest, grading, packaging and storage.				
<i>Practical instruction</i>				
Morphological properties of fruit crops for cultivar determination and classification. Cultivars – pome, stone, nut, small and subtropical fruit crops, cultivars used for conventional and integrated fruit production, crop-specific pruning operations, particularly focusing on cultivar-specific pruning of modern training systems.				
Recommended reading				
Petrović, S., Milošević, T. (2005): Raspberry from Serbia. Faculty of Agronomy, Čačak, p. 256 (ISBN 86-84383-40-0, COBISS.SR-ID=124030732).				
Barney, D.L., Colt, M., Robbins, J.A., Wiese, M. (1999): Growing Raspberries & Blackberries in the Inland Northwest & Intermountain West. Agricultural Publications, University of Idaho. Available at: http://info.ag.uidaho.edu				
Nyéki J., Soltész M., Szabó Z. (2008): Morphology, biology and fertility of flowers in temperate zone fruits. Akadémiai Kiadó, Budapest.				
Kozma P., Nyéki M., Szabó Z. (2003): Floral biology, pollination and fertilisation in temperate zone fruit species and grape, Akadémiai Kiadó, Budapest.				
Fideghelli, C., Loreti, F. (2010): Monografia dei portinnesti dei frutiferi. Centro di ricerca per la frutticoltura, Università di Pisa, p. 238.				
Hours of active teaching				Other classes
Lectures:	Practicals: 3x15	Other forms of teaching <i>Tutorials</i> 4x15	Individual work:	
Teaching methods				
Lectures, practicals (practice room and field work), interactive teaching, progress tests, midterm tests, individual work, oral examination				

Assessment (maximum points 100)			
Examination requirements	Points	Final examination	Points
Class participation	20	oral examination	
Practical sessions/tests	30	written examination	50
Term paper assignments/homework		
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	