

Study Programme: Phytomedicine		
Course Unit Title: Fruit Growing and Viticulture		
Course Unit Code: 19.FTM014		
Name of Lecturer(s): Zoran Keserović, Dragoslav Ivanišević		
Type and Level of Studies: Undergraduate Academic Studies		
Course Status (compulsory/elective): Compulsory		
Semester (winter/summer): Summer		
Language of instruction: Serbian		
Mode of course unit delivery (face-to-face/distance learning): face-to-face		
Number of ECTS Allocated: 6		
Prerequisites: None		
Course Aims: Introducing students into fruit and vine species, as well as the technology of their cultivation		
Learning Outcomes: The acquisition of basic knowledge about cultivation of fruit trees and vines which will serve as the basis for successful protection of fruit trees and vines.		
Syllabus: <i>Theory</i> Lectures from viticulture. The significance of viticulture. Classification of family vitaceae-genus Vitis. Morphology of grape vine. Physiological cycle of development of the vine. Ecology and propagation of the vine. Raising (planting) vineyards. Support in the vineyard. Pruning of vineyards and cultivated varieties of vines. Summer pruning in the vineyard. Nutrition in the vineyard. Soil tillage in the vineyard. Grape harvest. Classification and general characteristics of grapevine varieties. Lectures from Fruit growing. The importance of fruit production. Fruit production in the world and Serbia. Integrated and biological concept of production. Fruit growing areas in Serbia. Classification of fruit trees. Reproduction of fruit trees. Ecology of fruit trees. Orchard establishment. Agricultural management practices. Characteristics of the major varieties of fruit trees. Harvesting, storage and packaging of fruits. <i>Practice</i> Contents of practical classes in viticulture. Vegetative and generative organs morphology of the vine. Methods of propagation of vine and grafting techniques. Retracts and tearing branches. Pruning and tying vines. Showing important vines growing forms. Classification of grape vines varieties. Visiting the experimental farm of Faculty of Agriculture in Sremski Karlovci. Contents of exercises from Fruit growing. Botanical and pomological classification. Morphology of fruit trees organs. Determination of fruit seed. Organogenesis of fruit trees. Grafting fruit trees. Orchard establishment. Pruning fruit trees. Pomological description of fruit species, varieties and rootstocks.		
Required Reading: Keserović i sar. Voćarstvo i vinogradarstvo-deo voćarstvo. Poljoprivredni fakultet, Novi Sad, 2016. Korać i sar. Voćarstvo i vinogradarstvo-deo vinogradarstvo, Poljoprivredni fakultet, Novi Sad, 2016.		
Weekly Contact Hours:	Lectures: 3	Practical work: 2

Teaching Methods:

Lectures, practical work in classroom, laboratory and in the experimental fields.

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	Final exam	points
Lecture attendance	10	written exam	30
Exercise attendance	10	oral exam	30
Preliminary exam(s)		
Seminar(s)	20		

The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.