

<b>Study Programme: Fruit growing and viticulture</b>
<b>Course Unit Title: Plant Growth Regulators in Fruit Production</b>
<b>Course Unit Code: 19.VI1032</b>
<b>Name of Lecturer(s): Zoran Ž.Keserović, Biserka M. Milić</b>
<b>Type and Level of Studies: Master academic studies</b>
<b>Course Status (compulsory/elective): Compulsory for the module Fruit science</b>
<b>Semester (winter/summer): Winter</b>
<b>Language of instruction: Serbian</b>
<b>Mode of course unit delivery (face-to-face/distance learning): Face-to-face</b>
<b>Number of ECTS Allocated: 6</b>
<b>Prerequisites: None</b>
<p><b>Course Aims:</b></p> <p>The aim of the course is to acquaint students with the theoretical basis and possibilities of practical application of plant growth regulators in fruit growing so that they can use the most up-to-date knowledge in practice and in further scientific research.</p>
<p><b>Learning Outcomes:</b></p> <p>Students will be able to apply bioregulators in the production of planting material with the aim of obtaining seedlings with premature branches, then with the aim of forming the growing shape of fruit trees, regulating yield and regular yield and improving fruit quality, knowing all factors affecting the effect of the bioregulators.</p>
<p><b>Syllabus:</b></p> <p><i>Theory</i></p> <p>Classification of plant growth regulators. Theoretical bases of application of plant growth regulators in production of planting material. Theoretical bases of application of plant growth regulators in the formation of the cultivation form. Theoretical bases of application of plant growth regulators for chemical thinning of fruits. Theoretical bases of application of plant growth regulators in prevention of fruit drop. Theoretical bases of application of plant growth regulators in improving fruit quality. Theoretical bases of application of plant growth regulators in fruit storage.</p> <p><i>Practice</i></p> <p>Determination of the moment of application, concentration and dose of the preparation. Factors influencing the action of plant growth regulators.</p>
<p><b>Required Reading: Srivastava, M.,L. Plant growth and development. Academic Press, 2002</b></p> <p><b>Ferre D.C., Warrington I.J. Apples: Botany, Production and Uses. Willingford, Oxfordshire, UK, CABI Publishing, 2003</b></p> <p><b>Кесеровић, З., Врачевић (Милић), Б., Магазин, Н., Курјаков, А. Приручник за проређивање плодова јабуке. Пољопривредни факултет, Нови Сад, 2009</b></p> <p><b>Милић Б, Кесеровић З, Дорић М, Магазин Н, Гошић Ј. Примена регулатора раста биљака у воћарској производњи. Пољопривредни факултет, Нови Сад, 2013</b></p> <p><b>Магазин Н, Кесеровић З, Милић Б, Дорић М, Гошић Ј. Берба и чување плодова јабуке из интегралне производње. Пољопривредни факултет, Нови Сад, 2013</b></p>

<b>Weekly Contact Hours:</b>	<b>Lectures: 3</b>	<b>Practical work: 1</b>	
<b>Teaching Methods:</b>			
Lectures, work in the classroom and laboratory, practical training in the experimental fields			
<b>Knowledge Assessment (maximum of 100 points):</b>			
<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Lecture attendance	10	written exam	20
Exercise attendance	10	oral exam	30
Preliminary exam(s)	30	.....	
Seminar(s)			
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			