

FORM: Syllabus
Course description

General information		
Course Holder	Anita Pamuković, senior lecturer	
Course title	Agricultural phytocenology	
Study programme	Karst Agriculture – Plant production Karst Agriculture – Animal husbandry	
Course status	Elective subject	
Year	III	
Evaluation in ECTS credits and forms of class conducting	ECTS coefficient of student workload	3
	Number of classes (L+P+S)	30 (10+20+0)

1. COURSE DESCRIPTION

1.1. Course objectives

Students acquires practical and theoretical knowledge about the progression and regression of vegetation cover and the succession of plant communities depending on the applied agro-technical measures in agriculture.

1.2. Terms for enrollment

Enrolled 3rd year

1.3. Expected learning outcomes related to the course

- define and analyze the tasks of phytocenology and spontaneous and anthropogenic ecosystems
- analyze and practically apply analytical and synthetic properties of phytocenoses
- identify plant life forms, weed biogenesis and distinguish ways of plant reproduction and distribution
- describe the progression and regression of vegetation cover and succession of plant communities depending on the applied agrotechnical measures in agriculture
- distinguish and define association, subassociation, variant, facies, order, class
- give an example of grassland phytocenosis

1.4. Course content

1. Definition and task of phytocenology, biosphere ecosystems, distribution of science of plant communities.
2. Morphology of phytocenoses. Analytical and synthetic properties of phytocenoses.
3. Habitat (climatic, pedological, orographic and biotic factors). Life forms.
4. Synecology of reproduction and distribution. General principles of weed control.
5. Syndynamics (community development, sygenetics)
6. Systematics of plant communities (syntaxonomy)
7. Grassland phytocenoses

1.5 Forms of class conducting

<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> practice <input type="checkbox"/> e-learning <input checked="" type="checkbox"/> field learning	<input checked="" type="checkbox"/> independent work <input checked="" type="checkbox"/> multimedia and the network <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input type="checkbox"/> other						
1.6. Comments							
1.7. Student obligations Regular attendance of lectures and practice, tasks, colloquiums, exam preparation, exams							
Students are required to attend 75% of lectures and 100% of exercises. In case of unjustified absence of 25% of hours in lectures, students will receive a seminar paper on a topic from the areas they missed in class.							
1.8. Student evaluation method ¹							
Attendance	0,50	Class activity	0,50	Seminar paper		Experimental work	
Written exam		Oral exam	2,0	Essay		Research	
Project		Written exam		Report		Practical work	
Portfolio							
1.9. Evaluation of the students' work during classes and in the final exam							
Students' commitment is continuously monitored during lectures and exercises through open discussion, giving examples from practice and making a phytocenological image during fieldwork, evaluation of phytocenological image is done according to the following criteria: sufficient (2) 60-69%, good (3) 70-79%, very good (4) 80-89% and excellent (5) 90-100%. The student is required to pass the final exam in the form of an oral exam. The oral exam includes all teaching units where students will have the opportunity to define, explain, give examples, analyze and connect the learned material. The final grade represents the sum of points that the student has achieved by making a phytocenological image and at the oral exam. The number of points is converted into grade points.							
1.10. Compulsory reading (at the time of application of the study program proposal)							
- Written unauthorized lectures. - Croatian flora database. https://hirc.botanic.hr/fcd/							
1.11. Additional reading (at the time of application of the study program proposal)							
- Spedding, C.R.W. Grassland ecology. Oxford University Press. 1971							
1.12. Number of copies of the compulsory reading units compared to the number of students currently attending the course							
<i>Title</i>				<i>Number of copies</i>		<i>Number of students</i>	

¹ IMPORTANT: Each Student Evaluation Method should be followed by a corresponding share in the ECTS credits for each activity so that the total number of ECTS points corresponds to the credit score of the subject. You can use blank fields for additional activities.

-	0	
-	0	

1.13. Quality assurance methods that ensure the acquisition of knowledge, skills and competencies

Student progress is continuously monitored during lectures and exercises. During the classes, students are introduced to possible problems related to the material of the course and their creativity and independent work is encouraged. Continuous conduct of colloquia or exams analyzes student performance. At the end of the semester, an evaluation of teachers and subjects is conducted by students (student surveys).

Students' comments on teaching are used to improve the quality of teaching. Information on the achieved learning outcomes is used for the preparation of self-evaluation of teachers and, if necessary, for changes and / or additions to the study program of the course, methods of work and student assessment.