

### DESCRIPTION OF A STUDY COURSE – SYLLABUS

<b>Title of a course</b>	Aromatic Plants and Herbs				
<b>Head of course</b>	PhD Slavica Dudaš, Senior Lecturer				
<b>Study programme</b>	Professional undergraduate study Sustainable Agritourism				
<b>Status of a course</b>	Obligatory				
<b>Year of study</b>	2.	<b>Semester</b>	III	<b>ECTS credits</b>	4
<b>Teaching plan (L + E + S+ Pr)</b>	2+2+0+0				
<b>Goals of a course</b>					
Introduce students to the importance and possibilities of sustainable cultivation of aromatic and spicy herbs, the concept and quality standards, types and characteristics of bioactive substances and aromas, basic methods of processing and application of aromatic and spicy herbs. Introduce students to the technology of growing basic types of aromatic and spicy herbs. Introduce students to the purpose of aromatic and spicy herbs.					
<b>Conditions for enrolling course</b>					
No conditions					
<b>Learning outcomes on a level of a study programme which includes course</b>					
<p>Outcome 2: Assess the suitability of environmental and edaphic factors for sustainable plant and animal production.</p> <p>Outcome 3: Select species, assortments and breeds, as well as the technology for cultivation, breeding and maintaining the health of plants and animals.</p> <p>Outcome 4: Recommend the manner of processing, sorting and storage of plant and animal products stock and distribution of goods.</p> <p>Outcome 5: Select the methods of processing and preserving raw materials of plant and animal origin, depending on the quality characteristics of the raw material and the application of microorganisms.</p>					
<b>Expected learning outcomes on a level of a course</b>					
<ol style="list-style-type: none"> <li>1. Recognize types of aromatic plants and herbs, Latin names, belonging to a family of bioactive substance of selected types of aromatic plants and herbs.</li> <li>2. Select the conditions for planting and growing technology of selected species and assortments of aromatic plants and herbs</li> <li>3. Recommend the method of processing and application of selected types of aromatic plants and herbs depending on the characteristics.</li> <li>4. Perform bioactive substances extraction by steam extraction.</li> <li>5. Evaluate the quality of the raw material of aromatic plants and herbs based on its characteristics and content of bioactive substances.</li> </ol>					
<b>Content of a course</b>					
The significance and production areas for herbs/aromatic plants in the Republic of Croatia. Medicinal value of aromatic plants and herbs, content of bioactive matter and antioxidant capacity. Cultivation technology for herbs in the open field and greenhouses based on the basics of botany, biochemistry, physiology, nutrition, general production and plant protection, application of the sowing calendar. Treatment measures for orchards, harvest, cleaning, sorting, packing, storage and equipment. Quality of herbs and basic forms of processing.					
<b>Teaching modes</b>	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> auditory exercises <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> distance learning <input type="checkbox"/> field classes		<input checked="" type="checkbox"/> individual assignments <input type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> supervisor's work <input type="checkbox"/> other _____		
<b>Comments</b>					
<b>Students' obligations</b>					

**Grading, evaluation and monitoring of students' work continuously during lectures and exams**

Grading is based upon evaluation of course's learning outcomes' adoption. Grading is performed continuously during lectures and/or during exam, in compliance with the provisions of Regulation on the assessment of students.

**Continuous check-up:**

Outcomes	Pre-exam I	Pre-exam 2	Laboratory exercise (distillation)	Test	Threshold	Max
Outcome 1				15	7,5 %	15 %
Outcome 2		35			17,5%	35%
Outcome 3	20				10%	20%
Outcome 4			10		5%	10%
Outcome 5	10	10			10%	20 %
Percentage of ECTS	1,0	1,5	0,6	0,9		
Total	30%	45%	10%	15%	50%	100 %

A student has passed the exam if he has acquired a percentage of credits for each learning outcome higher or equal to defined threshold.

**Exam term:**

Outcomes	Written exam	Oral exam	Max
Outcome 1		15	15 %
Outcome 2	35		35 %
Outcome 3	20		20 %
Outcome 4	10		10 %
Outcome 5	10		20 %
Percentage of ECTS	3,2	0,8	
Total	83 %	17 %	100 %

A student has passed the exam if he has acquired a percentage of credits for each learning outcome higher or equal to defined threshold.

**Grading:**

A student has passed the exam if he has acquired at least 50% of anticipated credits of a specific learning outcome.

If a student has passed learning outcomes of all courses, the accomplished credits (percentages) of all passed learning outcomes are being added, while the final grade is defined upon following table:

Range of credits (percentages)	Numerical grade	ECTS grade
90,00 – 100,00	Excellent (5)	A
75,00 – 89,99	Very good (4)	B
60,00 – 74,99	Good (3)	C
50,00 – 59,99	Sufficient (2)	D
0,00 – 49,99	Insufficient (1)	F

**Obligatory literature**

Internal teaching materials

**Additional literature**

1. Šilješ et al., 1992.: Poznavanje, uzgoj i prerada ljekovitog bilja. Školska knjiga Zagreb, ISBN 86-03-00663-6
2. Keršek, E. 2006.: Ljekovito bilje u vinu i rakiji. VBZ, Zagreb, ISBN: 953-201-385-7



