

**POLYTECHNIC OF RIJEKA
AGRICULTURAL DEPARTMENT**

**UNDERGRADUATE PROFESSIONAL STUDY OF
WINEMAKING**

LIST OF COURSES

1st year of study – Semester I (Winter Semester)

Course unit no.	Title of the course unit	ECTS credits
1	Chemistry	4
2	Informatics	4
3	English Language I or Italian Language I	3
4	Mathematics and statistics	5
5	Botany	4
6	Ecology	4
7	Viticulture I	6
	Totally per semester	30

1st year – Semester II (Summer Semester)

Course unit no.	Title of the course unit	ECTS credits
9	Agricultural Business Economics	2
10	Biochemistry	4
11	Business English 2	3
12	Soil science	4
13	Mechanisation in Wine Growing and Winemaking	5
14	Viticulture II	5
15	Winemaking I	4
16	Plant physiology	3
	Total / semester	30

2nd year – Semester III (Winter Semester)

Course unit no.	Title of the course unit	ECTS credits
17	English Language III or Italian Language III	3
19	Microbiology of must and wine	4
20	Viticulture III	6
21	Wine making II	7
	Elective course A	4
22	<i>Mediterranean fruit growing</i>	
23	<i>Growing of vegetable*</i>	
	Elective course B	3
	Elective course C	3
28	<i>Marketing of beverages</i>	
29	<i>Rural forms of tourism</i>	
9	<i>Commercial law*</i>	
	Totally per semester	30

2nd year – Semester IV (Summer Semester)

Course unit no.	Title of the course unit	ECTS credits
24	English Language IV or Italian Language IV	3
25	Viticulture IV	7
26	Winemaking III	7
27	Special and sparkling wines	4
18	Plant protection	6
	Elective course	3
31	<i>Costs and Calculation*</i>	
32	<i>Olive growing</i>	
	Totally per semester	30

3rd year – Semester V (Winter Semester)

Course unit no.	Title of the course unit	ECTS credits
37	Irrigation	5
34	Technology of strong alcoholic beverages	5
35	Practical activities in wine making I	3
36	Viticulture V	5
37	Sensory analysis of wine I	4
	Elective course A	4
	Elective course B	4
38	<i>Small business management*</i>	
39	<i>Business analysis</i>	
40	<i>Hygiene and maintaining</i>	
41	<i>Wine presentation and promotion*</i>	
	Totally per semester	30

3rd year – Semester VI (Summer Semester)

Course unit no.	Title of the course unit	ECTS credits
42	Practical activities in wine making II	5
	Elective course A	4
	Elective course B	4
44	<i>Farm premises</i>	
45	<i>Vineyards in landscape*</i>	
46	<i>Wine serving and eno-gastronomy*</i>	
47	<i>Aromatic and medicinal plants</i>	
43	Bachelor Thesis	17
	Totally per semester	30

* the course is not available in the academic year 2022/2023