**POLYTECHNIC OF RIJEKA**

**AGRICULTURAL DEPARTMENT**

**PROFESSIONAL STUDY OF MEDITERRANEAN AGRICULTURE**

**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 | Botany and basics of genetics | 5 |
| 3 | Applying IT in agriculture | 3 |
| 4 | Mathematics and statistics | 5 |
| 5 | Basics of soil cultivation | 6 |
| 6 | Agricultural ecology | 4 |
| 7 | English Language I  or  Italian Language I | 3 |
|  |  |  |
|  | **Totally per semester** | **30** |

1st year of study – Semester II (Summer Semester)

|  |  |  |
| --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** |
|
| 9 | Biochemistry | 5 |
| 10 | Pedology | 4 |
| 11 | Plant protection I | 4 |
| 12 | Physiology of plants | 5 |
| 13 | Machines in agriculture | 5 |
| 14 | English Language II  or  Italian Language II | 3 |
|  | Elective course | 4 |
| 15 | *Agroclimatology* |  |
| 16 | *Agrarian microbiology* |  |
|  |  |  |
|  | **Totally per semester** | **30** |

2nd year of study – Semester III (Winter Semester)

|  |  |  |
| --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** |
|
| 17 | Plant protection II | 4 |
| 18 | Mediterranean fruit growing I | 6 |
| 19 | Viticulture I | 4 |
| 26 | Olive growing | 6 |
| 24 | Mediterranean livestock farming | 4 |
| 21 | English Language III  or  Italian Language III | 3 |
|  | Elective course | 4 |
| 22 | *Market in agriculture* |  |
| 23 | *Seed production* |  |
|  |  |  |
|  | **Totally per semester** | **31** |

2nd year of study – Semester IV (Summer Semester)

|  |  |  |
| --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** |
|
| 25 | Mediterranean fruit growing II | 7 |
| 20 | Growing of vegetables | 5 |
| 27 | Viticulture II | 5 |
| 28 | Wine making I | 5 |
| 29 | English Language IV  or  Italian Language IV | 3 |
|  | Elective course | 4 |
| 31 | *Beekeeping* |  |
| 30 | *Basics of urbanizm and farm premises\** |  |
| 32 | *Fichery\** |  |
|  |  |  |
|  | **Totally per semester** | **29** |

3rd year of study – Semester V (Winter Semester)

|  |  |  |
| --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** |
|
| 33 | Olive processing | 6 |
| 34 | Wine making II | 5 |
| 35 | Plant growing in greenhouses | 6 |
| 42 | Irrigation | 4 |
|  | Elective course A | 4 |
|  | Elective course B | 4 |
| 38 | *Plant nursery* |  |
| 39 | *Special and sparkling wines* |  |
| 37 | *Agricultural business economics* |  |
| 40 | *Floriculture and dendrology basics\** |  |
|  |  |  |
|  | **Totally per semester** | **29** |

3rd year of study – Semester VI (Summer Semester)

|  |  |  |
| --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** |
|
| 43 | Aromatic and medicinal plants | 3 |
| 36 | Preservation of agricultural products | 5 |
|  | Elective course A | 4 |
|  | Elective course B | 4 |
| 41 | *Farm managerment* |  |
| 44 | *Landscape architecture\** |  |
| 45 | *Rural forms of tourism* |  |
| 46 | *Business analysis* |  |
| 47 | Bachelor paper | 15 |
|  |  |  |
|  | **Totally per semester** | **31** |

\* the course is not available in the academic year 2023/2024