**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