

Agronomy undergraduate study programme, first Bologna cycle

COURSE STRUCTURE of the study programme

The study programme consists of 24 compulsory courses, 4 elective courses, practical training, and a seminar within which the student prepares and defends a final seminar paper.

Courses are divided into compulsory and elective courses, internal electives / external electives (Table 5). In the second and third year, the student selects two internal or external elective courses per year (these may be chosen from the pool of internal or external elective courses). Courses are evaluated using credit points in accordance with the European Credit Transfer and Accumulation System (ECTS).

To complete the programme, a minimum of 180 ECTS must be obtained. This includes all academic requirements within individual courses of the study programme (assignments, seminars, and examinations), as well as the preparation and defence of the final project paper, which the student defends as part of the seminar.

The following section presents the structure of the study programme by year, the curriculum for each year, and the internal elective courses of the study programme.

Table 1: Structure of the study programme

Year of study	Study obligation	Number	ECTS-credits (ECTS)	
			ECTS	ECTS/Year of study
1.	Compulsory Course	11	60	60
2.	Compulsory Course	7	39	60
	Internal / External Elective Course	2	12	
	Practical Training in Working Environments I	1	9	
3.	Compulsory Course	6	32	60
	Internal / External Elective Course	2	12	
	Practical Training in Working Environments II	1	10	
	Seminar	1	6	

Legend:

ECTS credits (ECTS) = credit points awarded under the European Credit Transfer and Accumulation System (ECTS). The credit system facilitates student mobility and the mutual recognition of completed academic requirements.

ECTS credits represent an average estimate of the time required to complete a course and include both organized forms of instruction (lectures, seminars, seminar and laboratory exercises, fieldwork, practical training, etc.) and the student's independent work (exam preparation and other course-related obligations, etc.). One (1) ECTS credit corresponds to 25 to 30 hours of study workload. Credits are awarded upon the successful completion of the requirements for an individual course.

Table 2: First year of study

No.	Course	ECTS
1.	Plant Biology	6
2.	Chemistry Basics	6
3.	Agrophysics	3

No.	Course	ECTS
4.	Mathematical Methods	6
5.	Land Use and Soil Protection	6
6.	Fruit Growing	6
7.	Agroecology	6
8.	Forest and Wood Management	6
9.	Horticulture	6
10.	Viticulture	6
11.	Computer Practicum	3

Table 3: Second year of study

No.	Course	ECTS
1.	Statistical Methods	6
2.	Plant Physiology	6
3.	Basics of Genetics	6
4.	Olive Growing and Olive Processing Technology	6
5.	Nature Conservation and Sustainable Agriculture	3
6.	Plant Biochemistry	6
7.	Plant Protection, Diagnostics and Phytopharmacy	6
8.	Practical Training in Working Environments I (4,5 weeks)	9
9.	Internal / External Elective Course I	6
10.	Internal / External Elective Course II	6

Table 4: Third year of study

No.	Course	ECTS
1.	Zootechnics in the Mediterranean Area	6
2.	Plant Breeding and biotechnology	8
3.	Technologies for Food Processing in Agriculture	3
4.	Basics of Entrepreneurship and Marketing	6
5.	Field Crop Production	6
6.	Project Planning and Management	3
7.	Practical Training in Working Environments I (5 weeks)	10
8.	Internal / External Elective Course III	6
9.	Internal / External Elective Course IV	6
10.	Seminar	6

ELECTIVE courses

In the second and third year, the student selects internal or external elective courses.

Table 5: Internal elective courses of the study programme

No.	Course	ECTS
1.	Agrobiodiversity and Gene Banks	6
2.	Applied Entomology	6
3.	Arboriculture	6
4.	Soil Biodiversity and Ecosystem Services in Sustainable Agriculture	6
5.	Floral Biology and Pollination Ecology	6
6.	Beekeeping	6
7.	Nursery (Fruit Plants and Grapevine Propagation)	6
8.	Soil Ecology	6
9.	Economics of Agriculture	6
10.	Microbiology of Agroecosystems	6
11.	Plant Molecular Diagnostic	6
12.	Consumer Behavior Basics	6
13.	Brewing	6
14.	Aromatic Plants Production	6
15.	Plant Tissue Culture	6
16.	Sensory Analysis of Foodstuffs	6
17.	Brand Management	6
18.	Urban Agriculture	6
19.	Fishery	6
20.	Mediterranean Nutrition	6
21.	Enology	6
22.	Artificial Intelligence and Machine Learning	3
23.	Rural Tourism	6

Table 5 lists all *internal elective courses* accredited within the Agronomy study programme. However, UP FAMNIT *offers only a selection of elective courses* from the broader pool each academic year. In doing so, the faculty takes into account its staffing and financial capacities, as well as student interest in individual courses. The final list of elective courses offered to students for the upcoming academic year is published prior to the start of enrolment for that year.

External elective courses may be selected within accredited study programmes of higher education institutions in Slovenia or abroad. External electives may also be chosen from the pool of internal elective courses.

For assistance and guidance in selecting elective courses and study tracks, students may consult the study programme coordinator.

Practical training

In the second and third year, students are required to complete mandatory practical training in a professional work environment (continuous practical training), which is collectively valued at 19 ECTS. In the second year, the training lasts 4.5 weeks (180 hours) and is awarded with 9 ECTS, while in the third year it lasts 5 weeks (200 hours) and carries 10 ECTS. The purpose of practical training is to reinforce theoretical knowledge in a real work environment, develop specific professional competencies, engage with current practical challenges, adopt an active approach to task performance, and establish contact with potential future employers.

Students independently arrange their practical training with a host organization, which may include cooperatives, chambers of agriculture and forestry, companies, public institutions, associations, and other organizations. The student first selects an organization and initiates the procedure for concluding a training agreement, and may seek assistance from the practical training coordinator if needed. More detailed instructions are available in the section [Practical Training](#).

Field work

Fieldwork constitutes a mandatory component of certain courses within the study programme and represents an important complement to the theoretical knowledge acquired during lectures. It is conducted as one or multi-day activities in Slovenia or abroad (e.g., Istria, Cres, Lošinj, Velebit). In the field, students, supported by professors, teaching assistants, and local guides, become familiar with natural and local features, research institutions, and carry out practical tasks in real world environments. In addition to its academic value, fieldwork also fosters networking and informal interaction among students and teaching staff.

Due to exposure to natural environments, students are advised to receive vaccination against tick-borne encephalitis, which is organized as part of regular medical check-ups at the Community Health Center Koper and is provided free of charge for students.

Costs associated with the implementation of fieldwork and professional excursions are charged to students based on the actual cost per participant, in accordance with applicable regulations. Each academic year, the management of UP FAMNIT determines the level of co-financing based on cost analysis and available financial resources; in previous years, the faculty has covered between 50% and 80% of the costs. The faculty will continue to strive to secure funds for partial co-financing of fieldwork in the future.

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