

Sustainable built environments master study programme, second Bologna cycle

COURSE STRUCTURE of the study programme

The study programme consists of 15 courses and the preparation and defence of a Master's thesis. Courses are divided into compulsory courses (12 courses) and internal and external elective courses (a total of three courses).

To complete the programme, all academic requirements defined by the course syllabi and the study programme must be fulfilled. The student prepares a Master's thesis under the supervision of a mentor, who is typically selected in the second year of study. The preparation of the Master's thesis must comply with the Rules on the Preparation and Defence of the Master's Thesis at University of Primorska, Faculty of Mathematics, Natural Sciences and Information Technologies.

The following section presents the structure of the study programme by year, as well as the compulsory and internal elective courses and the fields of study.

Table 1: Structure of the study programme

Year of study	Study obligation	Number	ECTS-credits (ECTS)	
			ECTS	ECTS/ Year of study
1.	Compulsory Course	9	54	60
	Internal Elective Course	1	6	
2.	Compulsory Course	3	18	60
	Extrenal / internal Elective Course	1	6	
	Extrenal Elective Course	1	6	
	Master's Thesis	1	30	

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.	Courses	ECTS
1.	Mathematics	6
2.	Building Physics	6
3.	Construction Materials	6
4.	Wood Science and Technology	6
5.	Renewable and Wood-based Materials in Construction	6
6.	Statistics	6
7.	Wood Composites	6
8.	Forest Products Value Chain	6

No.	Courses	ECTS
9.	Building Energy Simulation	6
10.	Internal Elective Course	6

Table 3: Second year of study

No.	Courses	ECTS
1.	Energy Efficient Building Design	6
2.	Wood Design and Structural Analysis	6
3.	Sustainable and Restorative Environments	6
4.	Elective Course 2 - Internally or Externally Selected	6
5.	Elective Course 3 - Externally Selected	6
6.	Master's Thesis	30

ELECTIVE courses

During the course of study, the student selects three elective courses (one internal elective, one external elective, and one elective of their choice, either internal or external). Elective courses are assigned either 3 or 6 ECTS under the European Credit Transfer and Accumulation System (ECTS).

Table 4: Internal Elective Course

No.	Courses	ECTS
1.	Energy Refurbishment of Buildings	6
2.	Ergonomics and Built Environment	6
3.	Non-destructive Testing	3
4.	Modern History of Sustainable Architecture	6
5.	Forest Products Marketing	3
6.	The Industrial Ecology of Timber	6
7.	Principles of Innovation and Creativity	3
8.	Advanced Construction Products	6
9.	Structural Systems of Timber Building	6
10.	Sustainable Geotechnics	6
11.	Recycled Waste in Construction	6
12.	Fire Science Laboratory	6
13.	Bioinspired Material Design	6

Table 5 lists **all internal elective courses** accredited within the Sustainable Built Environment 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 at higher education institutions in Slovenia or abroad. Within the framework of external electives, students may choose courses from postgraduate programmes in the fields of civil engineering and sustainable management. Depending on the student's specific interests, typically in connection with the Master's thesis (second year), external electives may also be selected from programmes in other academic fields.

Students may also choose to select courses from the pool of internal elective courses instead of external electives.

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

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. 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.

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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