

**NATIONAL UNIVERSITY OF BIORESOURCES
AND NATURE MANAGEMENT OF UKRAINE
Department of Botany, Dendrology and Forest Tree Breeding**

APPROVED
Faculty of Plant Protection,
Biotechnology and Ecology
protocol 9 from 21th of May 2026

**PROGRAM
OF TEACHING PRACTICE OF THE ACADEMIC DISCIPLINE**

Biology I (botany)

Field of knowledge E Natural sciences, mathematics and statistics

Specialty E2 Ecology

Educational program Ecology

Education and Research Institute of Forestry and Landscape-Park Management

Developer: Andrii CHURILOV, Associate Professors of the Department, Ph.D., Associate Professor

Kyiv – 2026

Objectives of the Field Practice

The field practice in Botany is a compulsory component of the curriculum undertaken upon completion of the lecture and laboratory courses. Its primary objective is to consolidate the knowledge acquired by students during practical classes and theoretical instruction, as well as to familiarize them with the diversity of the vegetation cover of Ukraine, different vegetation types, their species composition, and distinctive features.

Workload and Organization

According to the curriculum, 25 academic hours are allocated for the completion of the summer field practice in Botany. The practice lasts for five calendar days.

Methodology of the Field Practice

Activities carried out during the summer field practice are divided into fieldwork and laboratory (office-based) work.

Field activities include:

- collection of plant specimens for herbarium preparation;
- photographic documentation of phytodiversity;
- inventory of selected stands and sites within the territory of the National University of Life and Environmental Sciences of Ukraine (NUBiP of Ukraine).

Laboratory (office-based) activities include:

- identification and mounting of herbarium specimens;
- compilation of a list of plant indicator species reflecting environmental conditions;
- presentation and submission of the herbarium collection.

Contents of the Practice

- Collection and preparation of a herbarium of plant species indicating environmental conditions;
- Study of the flora of the natural zones of Ukraine;
- Investigation of the species diversity of seed plants and higher spore plants;
- Inventory of vegetation cover through geobotanical surveys and vegetation relevés.

Objects of the Practice

The objects of the field practice are indicator plant species reflecting forest site conditions occurring in the stands of the Botanical Garden of the National University of Life and Environmental Sciences of Ukraine and adjacent areas, as well as within the Holiivskyi National Nature Park and the Boyarka Forest Research Station, a separate subdivision of NUBiP of Ukraine.

Equipment and Instruments

- Herbarium folders and presses;
- Cameras.

Form of Assessment

Pass/fail credit.

SCHEDULE
of the Botany Field Practice

Date of practice	Topics	Hours
Day 1 (15.06.2026)	Introduction to the structure of cultural phytocoenoses of lawns, meadow communities, and riparian and aquatic vegetation, as well as to the methods and specific features of their geobotanical investigation. Documentation and processing of the results.	5
Day 2 (16.06.2026)	Specific aspects of assessing and evaluating phytodiversity, illustrated by riparian and aquatic vegetation communities in the Maksym Rylskyi Park area of Holiivskyi National Nature Park.	5
Day 3 (17.06.2026)	Plants and the environment: investigation of the floristic diversity of broadleaved forests. Peculiarities of describing hornbeam–oak forest vegetation occurring in the Holiivskyi Forest tract. Indicators and manifestations of anthropogenic impacts on broadleaved forest communities.	5
Day 4 (18.06.2026)	Methods of collecting plant material: specific features of sampling and identification of bryophytes, lichens, and vascular plants, including their preparation and subsequent preservation.	5
Day 5 (19.06.2026)	Processing of field data. Principles of sorting and storing biodiversity records. Preparation of field practice reports and final pass/fail assessment.	5
Total		25