



SHORT INTENSIVE COURSES

Before and during the internship students will be trained on the specific topics / methodologies related to the internship programme by “short intensive courses” organised by the hosting institution and online courses provided by the TAURUS consortium.

Course title: BIOLOGICAL DIVERSITY OF THE RESERVE AND PROBLEMS OF ITS CONSERVATION

Linked to the Internship programme: VSU_03

Edition: 2019

Academic coordinator: Prof. Tatiana A. Deviatova

Duration: 4 days

GENERAL OBJECTIVES

Give an overview of the environmental conditions of the Voronezh reserve and the system of measures to preserve species diversity.

COURSE STRUCTURE

General introduction: *Environmental conditions of the Voronezh reserve*

Module 1: *Abiotic conditions of Voronezh reserve (climate, relief, hydrographic network);* (4 hours)

Lecturer: Prof. Tatiana A. Deviatova - Head of the Department of Ecology and Land Resources, Medicine and biology Faculty of "Voronezh State University", DSc in biology, Voronezh, Russian Federation

Module 2: *Flora and fauna of Voronezh reserve* (4 hours including practice)

Lecturer: *Dr. Igor I. Vorobyov* - PhD (biology), Chief specialist in development of the Voronezh reserve, Voronezh, Russian Federation

Module 3: *Edaphic conditions of growth of the Usman forest* (4 hours including practice)

Lecturer: Prof. *Lydia A. Yablonskikh* - Professor of the Department of Ecology and Land Resources, Medicine and biology Faculty of "Voronezh State University", DSc in biology, Voronezh, Russian Federation

Module 4: *The system of measures for the conservation of species diversity* (4 hours)

Lecturer: *Dr. Igor I. Vorobyov* - PhD (biology), Chief specialist in development of the Voronezh reserve, Voronezh, Russian Federation

EXPECTED LEARNING OUTCOMES

knowledge and understanding

- knowledge of specific features of forest soil formation;
- understanding of the system and basic principles of conservation of species diversity of ecosystems of protected areas

applying knowledge and understanding

- collaborate on the selection of the best measures for the conservation of species diversity



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- collaborate on the development of monitoring objects of protected areas

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making judgement

- evaluate the results of survey and monitoring activities of protected areas

communication skills

- writing a group short report about measures to preserve species diversity in protected areas
- preparation of a group presentation on the environmental conditions of the Voronezh reserve

learning skills

- reading and understanding the international scientific literatures in the field of protected area management

TEACHING METHOD

The course is structured on 4 hours lectures per day on the program topics, for a total of 16 hours. Additional 2 hours will be devoted to the working with herbarium and insect collection.

ASSESSMENT

The assessment will be based on the evaluation of the summary report and presentation.