

Principles of Scientific Research

1. Lecturer: Dr Biology Sci Prof Zhmurko Vasyl Vasylovych
2. Status: optional for bachelors.
3. Course, semester: 4th academic year, 8th semester.
4. Number of credits – 3, general academic hours – 108, lectures – 24; laboratory – 24; self-study – 60.
5. Preliminary requirements: general course "Plant Physiology and Biochemistry", "Mathematical methods in Biology"
6. Description of the course: the course deals with the role of science in the development of society, the specificity of scientific activities. Forms and methods of research. The organization and methods of research in Plant Physiology and Biochemistry and Microbiology. The main types of experiments. Statistical analysis of the data. Use the computer for research.

Sections: The principles of scientific work and the basic principles of its construction; Basic research methods in phytophysiology, plant biochemistry and microbiology; Statistical analysis of the results of experiments.
7. Course organization: lectures, seminars, labs. Forms of control: tests, reports.
8. Language: Ukrainian.
9. Educational and methodological support: program, schedule of classes, educational and multimedia presentations, methodical complex, lecture presentations.