

## **Modern Problems and Goals of Plant Physiology and Microbiology**

1. Lecturer: Dr Biology Sci Prof Zhmurko Vasyl Vasylovych and Associate Prof Vinnikova Olha Ivanivna
2. Status: optional for bachelors.
3. Course, semester: 3th academic year, 6th semester.
4. Number of credits – 2, general academic hours – 72, lectures – 16; seminars – 16; self-study – 40.
5. Preliminary requirements: knowledge of the disciplines of natural science
6. Description of the course: the course deals with the current directions of research in plant physiology and biochemistry and microbiology of institutions of ANAS, NAAS, classic and agricultural universities in Ukraine and leading universities in Europe and the USA. Basic material for modern methodical approaches in research on the biology of plants and microorganisms and description of the main modern methods of research in plant physiology and biochemistry, and microbiology.  
  
Sections: Modern physiology of plants and microbiology - the main areas of research, fundamental and applied importance; Research methods in physiology and biochemistry of plants and microorganisms.
7. Course organization: lectures, seminars. Forms of control: tests, reports, exam.
8. Language: Ukrainian.
9. Educational and methodological support: program, schedule of classes, educational and multimedia presentations, methodical complex, lecture presentations.