

Course name: Plant physiology (USOS Code: B-BW.2003Eng)

ECTS: 5

No. of hours: 60 (30 lectures + 30 classes)

Course coordinator: Dr hab. Małgorzata Wójcik, prof. UMCS

Prerequisites: -

Course description: During the lecture, the student will learn about the basic physiological processes taking place in plant organisms, their mechanisms, regulation and dependence of these processes on environmental factors. Issues related to water and mineral management, photosynthesis, respiration, growth and development of plants will be discussed. Modern trends in physiological research and curiosities related to the functioning of plants in our everyday life will be presented. In the course of laboratory exercises, the student will perform experiments and observations on his own to better understand physiological processes taking place in plants. Exercises are performed according to the instructions presented in the scripts and under the guidance of the teacher.

Recommended literature: Buchanan B.B., Gruissem W., Wilhelm J., Russell L. (eds.) Biochemistry & Molecular Biology of Plants, Rockville, Md., American Society of Plant Physiologists; Taiz L., Zeiger E. (eds) Plant Physiology, Sinauer Associates (for both on-line versions are available).