

University: Zhetusy University named after I. Zhansugurov	
Faculty: Natural Sciences and Technical	
Course code: TM 3.4	Course title: Methods of teaching biology at the University
<p>Type, range and method of training activities: The format is a mixture of about 45 hrs lectures/seminars/discussions on methodological topics. -15hrs lectures + 30hrs exercises per semester</p> <p>The teaching is divided into modules in three separate weeks with intensive all-day coursework in the autumn semester. A day starts with a lecture over one main topic. The lectures will whenever possible seek to be concrete and problem oriented using relevant examples. The follow-up exercises are based on problem-solving of real examples. It is a must that the students are active during lectures and work with exercises, and also in presenting their own graduate work.</p>	
Number of credits: 5	
Recommended semester of study: 1 st year 1 st semester	
Level of study: Master	
Prerequisites: Methods of teaching biology	
<p>Conditions for completing the course: Grades will be given for two part-exams: submitted exercises count collectively for 40% and a written 3-hour final examination will count for 60% of the final grade. Both elements must receive a passing grade.</p>	
<p>Learning outcomes: The purpose of the study: to develop undergraduates system of methodological knowledge and skills of teaching biology at the University, ensuring the willingness to effectively carry out the educational process in biology at the University, independence and creativity in their teaching activities. Summary of the main sections: the study of the subject biology training at the University is implemented in a system of diverse forms of educational work: lectures, laboratory classes, pedagogical and field practices, special courses, special practices, course and master's works, independent and extracurricular activities. The curriculum provides for all these forms of methodological training of undergraduates.</p>	
<p>Detailed description of lectures: Use the methods of scientific analysis, forecasting, planning and management of the pedagogical process, the skills of conducting the experiment; research planning; registration of reports; analysis of research results.</p> <p>To master the methods of teaching biology at the university, the use of innovative teaching methods and assessment technologies in the educational process, the management of the educational process in the modernization.</p>	
<p>Recommended literature:</p> <ol style="list-style-type: none"> 1. Alekseeva R.R. Career guidance in biology lessons // Bulletin of scientific conferences. 2022. No. 6-2 (82). pp. 17-19. 2. Alekseeva R.R. Development of creative thinking of students in biology lessons // Bulletin of scientific conferences. 2022. No. 11-1 (87). pp. 11-13. 3. Andreyanov S.V. Application of elements of triz technology in biology lessons // Professional orientation. 2023. No. 2-1. pp. 13-18. 4. Andrianova A.A. On the possibilities of teaching molecular biology in a secondary school // Bulletin of Naberezhnye Chelny State Pedagogical University. 2022. No. S3 (38). pp. 125-127. 	
Language of instructions: English	

Comments: The course will be taught at Zhetysay University named after I. Zhansugurov – Kazakhstan

Course assessment:

Grades will be given for two part-exams: submitted exercises count collectively for 40% and a written 3-hour final examination will count for 60% of the final grade. Both elements must receive a passing grade.

A	B	C	D	E	FX

Lecturers: PhD., Mukasheva Danagul

Date of the last revision:

Approved by: