

University: Zhetusy University named after I. Zhansugurov	
Faculty: Natural Sciences and Technical	
Course code: TM 2.2	Course title: Organization and planning research
<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:	
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: development of civilized realization in life and development of society on the basis of scientific knowledge of pedagogical reality, development and implementation of measures for its improvement. Summary of the main sections: Studies planning methods scientifically pedagogical studies, research and teaching experience, report preparation, analysis of research results. To possess the latest methods and technologies of training within the updated content of higher education, methods of scientific analysis, forecasting, planning and management of the pedagogical process, skills of experience; planning research; preparation of reports; analysis of research results.</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> <p>Baiborodova L. V., Chernyavskaya A. P. Methodology and methods of scientific research. Textbook. — M.: Yurayt. 2018. 222 p.</p> <p>Belyaev A. P., Ivkin D. Y. Natural scientific methods of forensic research. Textbook. — M.: GEOTAR-Media. 2019. 400 p.</p> <p>Varfolomeeva Z. S. Technologies of scientific research in physical culture and sports. — M.: Yurayt. 2020. 106 p.</p> <p>Vonsovsky S. V. Modern natural science picture of the world. — M.: Regular and chaotic dynamics, Institute of Computer Research. 2006. 680 p.</p> <p>Guba V. P., Voronov Y. S., Karpov V. Yu. Methods of scientific research of tourism. Textbook. — M.: Physical culture. 2010. 176 p.</p>	

Drechinsky V. A. Methodology of scientific research. Textbook for undergraduate and graduate studies. — M.: Yurayt. 2019. 274 p.

Drechinsky V. A. Fundamentals of scientific research. Textbook for SPO. — M.: Yurayt. 2019. 274 p.

Dugartsyrenova V. A. Guidelines for writing research projects in English (for social disciplines). — Moscow: Editorial URSS. 2018. 224 p.

Kovalenko N. A. Scientific research and solution of engineering problems in the field of motor transport. — M.: Infra-M, New knowledge. 2016. 272 p.

Komarova Z. I. Methodology, method, methodology and technology of scientific research in linguistics. — M.: Flint, Nauka. 2013. 832 p.

Komlatsky V. I., Loginov S. V., Komlatsky G. V. Planning and organization of scientific research. Textbook. — M.: Phoenix. 2014. 208 p.

Panteleev E.R. Methods of scientific research in software engineering. Textbook. — M.: Lan. 2018. 136 p.

Pakhomov Yu. A. Fundamentals of scientific research and testing of heat engines. Textbook. — M.: TransLit. 2014. 432 p.

Rozanova N. M. Fundamentals of scientific research. Educational and practical manual. - M.: KnoRus. 2020. 328 p.

Vadim Rozin. Cultural studies. — M.: OmniScriptum Publishing KS. 2011. 384 p.

Ryzhkov I. B. Fundamentals of scientific research and invention. — M.: Lan. 2012. 224 p.

Tatarova G. G. Fundamentals of typological analysis in sociological research. — M.: Higher Education and Science. 2015. 236 p.

Freeman Eduard Methods of studying history. — M.: Librocom. 2015. 200 p.

Language of instructions: English

Comments: The course will be teach at Zhetusy 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: candidate of biologycl sciences Oxikbayev Berikzhan

Date of the last revision:

Approved by: