

<b>University:</b> Zhetusy University named after I. Zhansugurov	
<b>Faculty:</b> Natural Sciences and Technical	
<b>Course code:</b> BCPA 3.6	<b>Course title:</b> Protection and conservation of biodiversity
<b>Type, range and method of training activities:</b> The format is a mixture of about 45 hrs lectures/seminars/discussions on methodological topics. -15hrs lectures + 30hrs exercises per semester 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.	
<b>Number of credits:</b> 5	
<b>Recommended semester of study:</b> 1 <sup>st</sup> year 1 <sup>st</sup> semester	
<b>Level of study:</b> Master	
<b>Prerequisites:</b> Plant taxonomy	
<b>Conditions for completing the course:</b> 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.	
<b>Learning outcomes:</b> Studies the diversity of all life forms – plants, animals, microorganisms, their constituent genes and ecological systems, which include both individual components and habitat, the number of individual populations and the extinction of species, the study of the theoretical principles of biological systematics; a general understanding of the principles of ensuring the sustainability of ecosystems and the biosphere, the cause of environmental crises and the possibilities of overcoming them.	
<b>Detailed description of lectures:</b> to be competent in solving problems of biodiversity conservation and protection; apply the theoretical knowledge and practical skills in the practice of their own research, to possess the skills of search, evaluation, selection and use of pedagogical technologies to be able to experiment in the experiments on mono - and digibridge crossing, the interaction of nonallelic genes and linked inheritance of characters <i>Drosophila melanogaster</i> , holding hybridological analysis.	
<b>Recommended literature:</b> Bobylev S. N. Economics of biodiversity conservation: increasing the value of nature / S. N. Bobylev. – M. : Nauka, 1999. – 86 p. Brodsky, A. K. Biodiversity / A.K. Brodsky. - M.: Academy, 2012. - 208 p. Lysenko, I. O. Biodiversity. Textbook / I.O. Lysenko. - Moscow: St. Petersburg. [et al.] : Peter, 2014. - 140 p. N.V. Lebedeva, N.N. Drozdov, D.A. Krivolutsky Biological diversity. Textbook for universities M.: Humanit. publishing house VLADOS Center, 2004. 432 p. R. Primak. Fundamentals of biodiversity conservation / Translated from English by O.S. Yakimenko, O.A. Zinovieva. Moscow: Publishing House of the Scientific and Educational-methodical Center, 2002. 256 p.	
<b>Language of instructions:</b> 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.

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>FX</b>

**Lecturers:** candidate of biological sciences, Daurenbekova Sholpan

**Date of the last revision:**

**Approved by:**