

Annotation of the selective educational component

Academic discipline	Rational use of water resources for fisheries
Lecturer	Alla Trofymchuk Candidate of Agricultural sciences, associate professor Department of Ichthyology and Zoology
The course and semester, when the discipline is planning to study	3 rd course, 5 th semester
Faculties whose students are invited to study discipline	Faculty of Ecology
List of competencies and learning-related outcomes that discipline provides	The result of training in the discipline is the acquisition by students of such knowledge and skills: <ul style="list-style-type: none"> - To know the characteristics of the water resources of Ukraine. - To be able to determine the area of ponds of different categories according to the limiting factor - the source of water supply. Know and understand the process of using cooling ponds for the continuous cultivation of valuable fish species. - Know how to grow certain types of fish: black grass carp, herbivorous fish, and buffalo in cooling reservoirs to increase fish productivity and improve the condition of reservoirs
Description of the discipline	
Preconditions necessary for the study of the discipline	—
The maximum number of students who can study simultaneously	Lectures - 50 students Practical - 25 students
Lesson plans	Lectures <ol style="list-style-type: none"> 1. The role of water in human life 2. Basic principles of the use and protection of water resources (groundwater) 3. Water management balance 4. Accounting and planning of rational use of water resources. State planning of rational use and protection of water resources. 5. State planning of rational use and protection of water resources. Forecasting and modeling in water management 6. Use of cooling ponds for growing valuable fish species. 7. Water transport of Ukraine 8. Destructive effect of water. 9. Monitoring of surface waters. 10. Justification of environmental safety measures for the water supply of the rural population 11. Monitoring of reclaimed lands 12. State control over the use of water resources.

<p>Teaching language</p>	<p>13. Prospective determination of pond areas of different categories according to the limiting factor – the source of water supply</p> <p>Practical classes</p> <ol style="list-style-type: none"> 1. Definition of basic terms. 2. Water legislation of Ukraine. Competences in the field of regulation of water relations. 3. State, targeted, interstate and regional programs in the field of water use and protection and reproduction of water resources. 4. Water use. 5. Water protection. 6. Disputes on the use and protection of water and reproduction of water resources. Responsibility for violation of water legislation. International relations. 7. Calculation of compensation for damages caused as a result of a violation of the legislation on the protection and rational use of water resources. 8. Determining the areas of ponds of different categories according to the limiting factor - the source of water supply. 9. Raising larvae, growing fry of heat-loving fish species in cages installed in a cooling reservoir. 10. Calculation of standards for the introduction of large-mouthed buffalo in cooling reservoirs. 11. Calculation of norms for the introduction of herbivorous fish into cooling reservoirs. <p>Ukrainian</p>
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