

### Annotation of the selective educational component

<b>Academic discipline</b>	<b>Aquatic ornithology</b>
<b>Lecturer</b>	Alla Trofymchuk Candidate of Agricultural Sciences, Associate Professor Department of Ichthyology and Zoology
<b>The course and semester, when the discipline is planning to study</b>	1 course, 2 semester
<b>Faculties whose students are invited to study discipline</b>	Faculty of Ecology
<b>List of competencies and learning-related outcomes that discipline provides</b>	The result of training in the discipline is the acquisition by students of such knowledge and skills: <ul style="list-style-type: none"> <li>- understand the relationship of aquatic bioresources and aquaculture with zoology, chemistry, biology, physics, mechanics, electronics, and other sciences</li> <li>- know the general classification of birds, their division into ecological groups, structural features, morphology, and distribution;</li> <li>- know the representatives of the avifauna of Ukraine, the features of their biology</li> <li>- be able to describe the main diagnostic features of birds</li> <li>- be able to determine the age and sex of birds</li> <li>- be able to identify the birds of the fauna of Ukraine and apply this skill in practice</li> </ul>
<b>Description of the discipline</b>	
<b>Preconditions necessary for the study of the discipline</b>	The academic discipline "Aquatic Ornithology" is based on the knowledge of the discipline of the school course "Biology".
<b>The maximum number of students who can study simultaneously</b>	Lectures - 50 students Practical - 25 students
<b>Lesson plans</b>	<b>Lectures</b> <ol style="list-style-type: none"> <li>1. Economic and commercial value of water birds.</li> <li>2. Number, features of biology, ecology, reproduction of water birds.</li> <li>3. Specifics of nutrition, seasonal movements of water birds.</li> <li>4. External and internal structure of water birds.</li> <li>5. The affiliation of water birds to the main series, families, genera and species.</li> <li>6. Aquatic ornithology and the history of its study. External signs, distribution of water birds.</li> <li>7. Regional distribution of water birds.</li> <li>8. Significance of negative impact and protection of rare species of aquatic avifauna.</li> </ol>

<p><b>Teaching language</b></p>	<p><b>Practical classes</b></p> <ol style="list-style-type: none"> <li>1. Study of the taxonomy of the class Birds.</li> <li>2. Study of the features of the external structure of water birds.</li> <li>3. Study of the internal structure of birds.</li> <li>4. Study of the features of external and internal adaptations of birds for flight.</li> <li>5. The study of external signs and nutrition of birds of a number of penguins.</li> <li>6. The study of external signs and nutrition of birds of a number of loons.</li> <li>7. The study of external features and nutrition of birds of the Norse species.</li> <li>8. The study of external signs and nutrition of birds of a number of copepods.</li> <li>9. Study of external signs and feeding of birds of the Pressores series.</li> <li>10. The study of external signs and nutrition of birds of the Stork family.</li> <li>11. Study of external signs and nutrition of birds of the heron family (Ardeidae).</li> <li>12. The study of external signs and nutrition of birds of a number of Anseriformes.</li> <li>13. The study of external signs and nutrition of birds of a number of cranes.</li> <li>14. The study of external signs and nutrition of birds of the Shepherd family.</li> <li>15. Study of external signs and feeding of birds of the Charadriiformes order.</li> <li>16. The study of external signs of predatory (hawk) birds.</li> </ol> <p>Ukrainian</p>
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