Annotation of the selective educational component

Academic discipline	**Sturgeon farming**
Lecturer	Hrynevych Nataliia Doctor of Veterinary Sciences, Professor of the Department of Ichthyology and Zoology
The course and semester, when the discipline is planning to study	1st course, 2nd semester
Faculties whose students are invited to study discipline	Faculty of Ecology
List of competencies and learning-related outcomes that discipline provides	The outcome of the course is the acquisition of the following knowledge and skills: Know the biological characteristics of sturgeon species. Be able to conduct scientific research, scientifically substantiate and plan fish farming processes. Be able to conduct morphometric analysis of sturgeon species. Know the features of technological processes of reproduction and rearing of sturgeons. Know the technologies for growing sturgeon species in various forms of aquaculture. To be able to perform work on the reproduction and cultivation of cultivation objects, guided by modern fisheries and biological standards. Be able to implement innovative solutions to optimise production processes in aquaculture. Possess the skills to control and ensure product quality.
Description of the discipline	
Preconditions necessary for the study of the discipline	The elective educational component “Sturgeon farming” is based on the knowledge of the educational components: ‘Economics of aquaculture production’, “Labour protection in fish farming”, “Intensive technologies in fish farming”, “Organisation and management of selection and breeding work in fish farming” and is interrelated with “Sanitary control in aquaculture”, “Fish population dynamics”, “Farm fish farming”, “Recirculation systems of aquaculture”.
The maximum number of students who can study simultaneously	Lectures – 50 students Practical – 25 students
Lesson plans	**Lectures** 1. Conditions of sturgeon rearing: influence of abiotic and biotic factors and growth rate and biotechnology of rearing. 2. Biological characteristics and peculiarities of sturgeon rearing using different technologies. 3. Principles of sturgeon broodstock formation and work with sturgeon breeders. 4. Biotechnology of mature sexual products and caviar

	incubation. Cryopreservation in sturgeon farming: advantages and disadvantages. 5. Development of a HACCP system for sturgeon species rearing using different technologies. 6. Restorative ichthyoecology of sturgeons in natural reservoirs. 7. Sanitary and ichthyopathological control of sturgeon farms at the stage "from egg to egg". **Practical classes** 1. Flow chart of the sturgeon factory. 2. Morphometric analysis of sturgeon species. 3. Methods of working with sturgeon species breeders. 4. Sturgeon breeding and caviar incubation. Characteristics of incubation devices for sturgeon caviar incubation. 5. Methods of keeping free embryos and rearing young fish. 6. Rearing of sturgeon repair groups and their feeding. 7. Commercial rearing of sturgeons: meat and caviar.
Teaching language	Ukrainian