Annotation of the selective educational component

Academic discipline	**Non-traditional objects in aquaculture**
Lecturer	Oleksandr Khomiak Candidate of Agricultural Sciences, Associate Professor 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	According to the requirements of the educational and professional program "Aquatic bioresources and aquaculture", students must acquire the ability to acquire the following competencies: – Integral Competence. The ability to solve complex tasks and problems of a research and/or innovative nature in the field of aquatic bioresources and aquaculture. – GC (general competence) 2. Ability to search, process, and analyze information from various sources. – GC 7. The ability to evaluate and ensure the quality of the work performed. – SC (special competencies) 2. Ability to integrate knowledge and solve complex problems of aquatic bioresources and aquaculture in broad or multidisciplinary contexts. The result of training in the discipline is the acquisition by students of such knowledge and skills: - Know modern scientific achievements in the field of cultivation of non-traditional objects in aquaculture; - Be able to apply scientific knowledge regarding the expediency of effective use of non-traditional objects in aquaculture; - Know the biology and basics of cultivation technology of non-traditional aquaculture objects; - Be able to apply effective technological processes of production of products of non-traditional aquaculture facilities.
Description of the discipline	
Preconditions necessary for the study of the discipline **The maximum number of**	The selective academic discipline "Non-traditional objects in aquaculture" is based on the knowledge of such disciplines as "Economics of production of aquaculture products", "Intensive technologies in fish farming", "Organization and management of selection and breeding work in fish farming" and interrelated with "Fish population dynamics", "Farm fish farming", "Recirculating aquaculture systems".

students who can study simultaneously	Lectures - 50 students Practical - 25 students
Lesson plans	**Lectures** 1. Biological characteristics and technologies of sturgeon fish cultivation 2. Biological characteristics and cultivation technologies of salmon fish 3. Biological characteristics and cultivation technologies of pike and zander 4. Biological characteristics and cultivation technologies of common and channel catfish 5. Biology and technological methods of shrimp cultivation **Practical classes** 1. Introduction. Safety equipment. Academic integrity. Commercial cultivation of sturgeon fish in permanent farms 2. Breeding of sturgeon in gardens 3. Breeding of sturgeon fish in closed water supply installations 4. Cultivation of rowan 5. Biological characteristics and peculiarities of the cultivation of pilengas, black grass carp, largemouth buffalo, tench, elm, bream, fish 6. Biological characteristics and peculiarities of breeding golden crucian carp, silver crucian carp, gossip, redfin, whitefish, black buffalo, cutthroat, European river eel, snakehead, tilapia Mozambique, clary catfish, North American perch, folere perch 7. Biotechniques for the cultivation of shrimps with different biology and lobsters 8. Freshwater crayfish farming technologies
Teaching language	Ukrainian