Annotation of the selective educational component

Academic discipline	Combined fish farming
Lecturer	Leonid Heiko Candidate of Agricultural Sciences, Associate Professor Department of Aquaculture and Applied Hydrobiology
The course and semester, when the discipline is planning to study	3 rd course, 6 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: Know: - methods of joint cultivation of fish and ducks; - methods of joint cultivation of fish and geese; - methods of joint cultivation of fish and rice crops on different nutrient media; - methods of growing fish and nutria; - the composition of nutrient media and the method of their preparation for the joint cultivation of fish and vegetables; - biological features of living organisms - objects of cultivation. - methods of growing fish with periodic cultivation crops. Be able to: - assess the potential for developing a sustainable fish farming, taking into account soil-climatic and water features regions; - to conduct fish farming in combination with other industries agricultural production; - analyze the conditions of the aquatic environment of natural origin in terms of fundamental principles and knowledge of aquatic biological resources and aquaculture; - perceive new knowledge in the field of aquatic bioresources and aquaculture and integrate it with the existing ones; - to investigate biochemical, hydrobiological, hydrochemical, genetic, and other changes in objects of aquatic biological resources in biomass and the number of plants and animals; - use methods for determining the increase in biomass for the needs of agriculture, animal husbandry, and fish farming.
	Description of the discipline

Preconditions necessary for the study of the discipline	"Combined fish farming" is a selective component of the cycle of professional disciplines for the preparation of applicants in the specialty. Disciplines preceding the study of the specified: "Introduction to the profession", "Zoology", "Biological foundations of fisheries" and are interconnected with "Hydrobiology", "Fishing", and "Aquaculture of artificial reservoirs".
The maximum number of	Lectures 50 students
simultaneously	Dractical 25 students
Lesson plans	 Lectures State of aquaculture production in the world and Ukraine. Analysis of the evolution of the state system of state regulation of the development of aquaculture production. Theoretical foundations for ensuring food security using the potential of fisheries and aquaculture. Diversification of fisheries towards aquaculture and integration into agro-industrial production. World and national trends in the growth and development of aquaculture. Regulation of the development of fish-reproducing complexes in combined fish farming. Carp-duck and carp-goose farms. Cultivation of fish in reservoirs for complex purposes.
Teaching language	Ukrainian