

Subject name	Carp Culture	
Subject code	H.IRBA.CAR9.SM.HRBAY	
Department	Ichtiobiology and Fishery Studies	
Faculty	Animal Sciences	
Subject supervisor/Lecturer	Professor Mirosława Sokolowska-Mikołajczyk	
General information	semester	summer
	ECTS credits	6
	Lectures total	15 hrs
	Laboratories	15 hrs
Objective and general description	<p>The main goal of the course is to acquaint the students with technology of carp production. As a food fish the carp is extremely important for the certain regions of the world (Far East, Eastern Europe, Central America). Also as the angler's main quarry (UK). That's why the principles of carp farming, the technology of seed production, fry rearing, the annual cycle of carp husbandry and the methods of propagation and rearing of pond fish species will be discussed.</p> <p>The introduction to the technology of carp production is the presentation of the status of carp farming in Poland, in Europe and in the world. Before the production methods are presented the Students learn about the characteristic features of carp ponds in the average fish farm, about the methods of increasing of natural pond productivity (winter drying of ponds, soil cultivation, liming, sediment removal, bottom raking, fertilization, control of aquatic plant growth). Then the principles of carp farming, planning of the pond stocking, farming cycles (fry production, fry to market size production), methods of spawning induction, control of the hatching process, technology of fry rearing, supplementary feeding of fish, annual cycle of carp husbandry, carp wintering and health control, semi-intensive management (polyculture) are discussed.</p> <p>Practical information on Field training in Fisheries Research Station (Mydlniki), Field training in Zator fish farm, Field training in Gołysz fish farm</p>	
Assessment method	Positive evaluation is obtained on the base of formative assessment and it is issued on the basis of the arithmetic average of the three components of educational results (knowledge, skills and social competences).	
References	Opuszyński K. 1987. Fresh-water pond ecosystem managed under a moderate European climate. <i>Managed Aquatic Ecosystems</i> (ed. R.G. Michael), 63-91. Jhingran V.G., Pullin R.S.V. 1988. A hatchery manual for the common, Chinese and Indian major carps. Asian development Bank, ICLARM, Manila, Philippines. Billard R. 1999. <i>Carp – Biology and culture</i> . Springer, New York Horvath L., Tamas G., Seagrave C. 2002. <i>Carp and pond fish culture</i> . Fishing News Books. Blackwell Science	

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