

1.	<b>Course name: History of the European ichthyofauna</b>
2.	University department: Faculty of Biological Sciences, Institute of Environmental Biology, Department of Paleozoology
3.	Course type: <b>lecture (30h), practice (30h)</b>
4.	Degree: <b>bachelor/master</b>
5.	Semester: <b>winter</b>
6.	Number of hours: <b>60</b>
7.	Name, Surname, academic title: <b>Oleksandr Kovalchuk, PhD</b> (biologist@ukr.net)
8.	Course description/Content: The diversity of fishes. Fishes and their habitats. The origin and early evolutionary stages of fishes. Paleozoic record of European fishes. Historic evidence of early chondrichthyans. Mesozoic stage in the evolution of the European ichthyofauna. Migrations and evolution events. Cenozoic as a key stage in the appearance of modern fish groups. Paleogene and Neogene ichthyofauna of Europe. Evolutionary lineages and key species. Pleistocene and Holocene bony fishes of Europe.
9.	Recommended literature: Bone Q., Moore R. H. 2008. Biology of fishes. Taylor & Francis Group, New York. Carrier J. C., Musick J. A., Heithaus M. R. (eds.). 2004. Biology of sharks and their relatives. Ginter M. (ed.). 2012. Ryby kopalne. Wydawnictwo Uniwersytetu Warszawskiego, Warszawa. Helfman G. S., Collette B. B., Facey D. E., Bowen B. W. 2009. The Diversity of Fishes – Biology, Evolution and Ecology. John Wiley & Sons Ltd, Oxford. Kardong K.V. 2006. Vertebrates: Comparative Anatomy, Function, Evolution. McGraw-Hill. Nelson J. S., Grande T. C., Wilson M. V. H. 2016. Fishes of the World. John Wiley & Sons. Maisey J. G. 1991. Discovering fossil fishes. Westview Press, Oxford, Colorado. Maitland P. S. 2000. Guide to Freshwater Fish of Britain and Europe. Hamlyn.
10.	Form of credit: exam
11.	Language: <b>English</b>
12.	Number of ECTS: <b>6</b>