

Course title	An outline of the invertebrates zoology		
Course code	Semester	ECTS	Lectures/ classes
13.1.1453	winter	2	Lectures:15 hours
Name of the lecturer and contact	dr hab. Jacek Szwedo; jacek.szwedo@ug.edu.pl		
Prerequisites	none		
Course description	<p>The role and tasks of systematics. Principles of contemporary zoological nomenclature. Basics of phenetics, cladistics and evolutionary systematics. Phylogeny, taxonomy, morphology, anatomy, bionomy and the economic importance of invertebrates of all phyla. Fossil record and evolutionary changes in invertebrates.</p>		
Learning outcomes	<p>Knowledge:</p> <ol style="list-style-type: none"> 1. Presentation of the structure of individual phyla and classes of invertebrates, taking into account functional relationships at the tissue, organ and organismal levels 2. Presentation of the characteristics, systematics and evolutionary traits of selected groups of invertebrates <p>Skills:</p> <ol style="list-style-type: none"> 1. combines data from various sources and on this basis draws adequate conclusions; 2. reads and understands scientific biological texts in English 3. independently searches for and uses available sources of biological information, including electronic resources 4. can use technical biological terms in English in a way that is comprehensible and accessible for specialists, as well as people outside the group of specialists 5. has the ability to present their own ideas and uses adequate argumentation in the context of selected theoretical and practical perspectives 		