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1.	Course name: Biology of ants
2.	University department: Department of Biodiversity and Evolutionary Taxonomy
3.	Course type: lectures, fieldwork and laboratory
4.	Degree: master
5.	Semester: summer
6.	Number of hours: lectures: 10, fieldwork: 6, laboratory: 14
7.	Name, Surname, academic title: Sebastian Sałata, PhD
	(sebastian.salata@uwr.edu.pl)
8.	Course description/Content: <u>Description:</u> The course is a combination of lectures, fieldwork and laboratories. It starts with ten hours of lectures where students are introduced to the basic knowledge of ants' biology, ecology, morphology, and taxonomy. The second part (six hours of fieldwork) is focused on developing practical skills in ant collecting and species determination. The final part (14 hours of laboratories) will be devoted to developing practical skills in specimen preparation, collection management, and species determination.
	<u>Lecture:</u> Systematics of ants, characteristics of subfamilies, characteristics of genera known from Poland and Central Europe, ants' distribution and role in the ecosystem, methods of communication, foraging strategies, life cycles, social systems, social parasites, evolutionary trends, phylogeny, the importance of ants in nature and agriculture. <u>Fieldwork:</u> introduction to the basic and most common methods of ants' collecting, developing and practicing skills on species determination on the subfamily, genus and species levels, recognizing the most common species and species-groups. <u>Laboratory:</u> introduction to the basic methods of ants' preparation, studies on ants' morphology, developing experience in specimen determination on the subfamily, genus and species levels.
9.	Recommended literature: Czechowski, W.; Radchenko, A.; Czechowska, W.; Vepsäläinen, K. 2012. The ants of Poland with reference to the myrmecofauna of Europe. Fauna Poloniae 4. Warsaw: Natura Optima Dux Foundation, 496 pp Hölldobler, B.; Wilson, E. O. 1990. The ants. Cambridge, Mass.: Harvard University Press, xii + 732 pp Seifert, B. 2018. The ants of Central and North Europe. lutra Verlags- und Vertrieb¬sgesellschaft, Tauer, Germany, 407 pp
10.	Form of credit: Lectures: exam Fieldwork and laboratory: continuous assessment
11.	Language: English
12.	Number of ECTS: 2
12.	NUMBER OF LETS. 2