

## SYLLABUS

Name of the course (as specified in the approved curriculum) <b>M. Sc. Laboratory I</b>		Number of ECTS credits <b>8</b>	
Name of the course in Polish <b>Pracownia magisterska I</b>			
Unit providing the course <b>Departments of the Faculty of Veterinary Medicine and Animal Science</b>			
Course co-ordinator <b>Faculty of Veterinary Medicine and Animal Science academic staff - research and laboratory supervisor</b>			
Field of study Animal Production Management	Level II – master studies	Profile Academic-general	Semester 2
<b>TYPE OF CLASSES AND COURSE LOAD (Classes with teacher and student's own work)</b>			
Mode of studies: full-time		Mode of studies: part-time	
- lectures	0	- lectures	-
- classes	0	- practical classes	-
- field classes	0	- field classes	-
- labs	0	- labs	-
- consultations	0	- consultations	-
- own student's work	120	- own student's work	-
- others	80	- others	-
Total number of hours		200	Total number of hours
<b>OBJECTIVE OF THE COURSE</b>			
The student will familiarize themselves with various laboratory techniques used in in-vitro, in-vivo, or ex-vivo methods in animal science.			
<b>TEACHING METHODS</b>			
Material and methods used during laboratory classes will depend on the chosen Faculty Department, as well as the subject of the Master Thesis.			
<b>Course learning outcomes</b>			The reference to the study field learning outcomes
Knowledge	O1: the student has advanced knowledge of methodologies used in animal science, as well as of the specialized equipment necessary to process, validate, and assess selected traits or parameters.		AP2A_W03
Skills	O2: the student is able to plan and conduct the laboratory analyses and interpret the obtained data in the field of animal science.		AP2A_U02
Social competences	O3: the student understands the importance of lifelong learning and actively updates their knowledge and skills. O4: the student understands the ethical and social responsibility associated with the outcomes of their laboratory activities in the field of animal science.		AP2A_K01 AP2A_K03
<b>Methods for verifying learning outcomes</b> Assessment of the prepared protocols, manuals, evaluation of the ability to search the literature, and the use of specialist language.			Symbols of course learning outcomes 01-04
<b>TEACHING CONTENTS</b>			
Familiarizing students with the principles of the preparation of analyses, which are necessary to obtain the scientific data for the Master Thesis preparation. Gaining professional experience in terms of lab work and expansion of the knowledge about the basics and advanced devices that may be used in animal science.			
<b>Forms and criteria for completing the course</b> Credit on the basis of the assessment of student activity during classes.			Percentage of a final grade 100%

## Literature list

### **Core literature**

Specialized scientific journals in the field of students' scientific specialization.

### **Additional literature**

Instructions, methodological guides, and review articles related to students' scientific specialization.