

Module of classes:

ANIMAL AND HUMAN PHYSIOLOGY AND ENDOCRINOLOGY

ECTS	6
Status	complementary - obligatory
Form of final credit	exam
Prerequisites	passing the subject of basic biochemistry and physiology

Field of study:

ANIMAL BIOENGINEERING

Profile of study	General-academic
The code of the form of study and the level of study	SI
Semester of study	4
Language of study	English

The leading faculty, department and the lecturer of the module:

Name of the competent unit for the coordinator	Faculty of Animal Sciences, Department of Animal Physiology and Endocrinology
Course coordinator	prof. dr hab. Krystyna Koziec

Learning outcomes of the module/subject

The code of the description component (symbol of the effect)	Description	Relation to (code)	
		field effect	discipline#

KNOWLEDGE – the student knows and/or understands:

FZ_W01	Activity of systems: nervous, hematological, muscles, respiratory, digestion, urinary, reproduction	BIOI1_W01	RZ
FZ_W02	Characterized processes: homeostasis, resistance, termoregulation, regulation of mineral substances, lactation	BIOI1_W02	RZ
FZ_W03	Characterized processes: biological cycles, behavioural aspects	BIOI1_W06	RZ

SKILLS – the student can:

FZ_U01	Described information about life processes in human and animal organism	BIOI1-U05	RZ
FZ_U02	Understand physiological rules in the healthy animals and human, homeostasis and its role in the organism	BIOI1-U06	RZ

SOCIAL COMPETENCE- the student is ready to:

FZ_K01	Work in the laboratory group	BIOI1_K06	RZ
FZ_K02	Be aware of responsibility for his/her and group health and life in the laboratory during work with dangerous chemical substances	BIOI1_K07	RZ

Teaching content:

Lectures		30	hours
Subjects of lectures	Homeostasis		
	Hematopoiesis		
	Regulation of circulatory system		
	Regulation of respiratory system		
	Immune system		
	Nervous system		
	Digestion system		
	Muscles		
	Reproduction system		
Realized learning outcomes		<i>FZ_W01-03, FZ_U01-02, FZ_K01-02</i>	
Verification methods and criteria of effects evaluation		<i>Written exam; Final grade: 60% exam, 40% exam credit.</i>	
Classes (laboratories)		30	hours
Subjects of the classes	Hematology processes		
	Heart, blood pressure, blood circulation		
	Respiratory system		
	Nervous system		
	Digestion system		
	Urinary system		
Realized learning outcomes		<i>FZ_W01-03, FZ_U01-02, FZ_K01-02</i>	
Verification methods and criteria of effects evaluation		<i>written tests; Final grade: 60% exam, 40% exam credit.</i>	
Seminars		0	hours
Subjects of the seminars			
Realized learning outcomes			
Verification methods and criteria of effects evaluation			
Literature:			
Basic	<i>Hadley M.E. Endocrinology. Prentice –Hall International Editions, 2002</i>		
Supplementary	<i>Cunningham J.G., Klein B.G. Textbook of Veterinary Physiology, Saunders W.B. 2007 Guyton and Hall Textbook of Medical Physiology 2006</i>		

Structure of learning outcomes:

Discipline – animal husbandry and fishery (RZ)		6	ECTS*
Discipline –...		...	ECTS*
Structure of student's activities:			
classes carried out with direct participation of the teacher		75	hours
		3	ECTS*
including:	lectures	30	hours
	classes and seminars	30	hours
	consultations	12	hours
	participation in research	0	hours
	mandatory practices and internships	0	hours
	participation in the exam and credits	3	hours
classes carried out with the use of e-learning		0	hours
		0	ECTS*
student's own work		75	hours
		3	ECTS*

Syllabus valid from the academic year 2019/2020

) * - Reported to the nearest to 0,1 ECTS, where 1 ECTS = 25-30 hours of classes

) # discipline code: RZ - zootechnics and fishery, PB - biological sciences