

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	bachelor
Semester of study	winter
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	BIO11_W01	RZ
FZ_W02	Characterized processes: homeostasis, resistance, thermoregulation, regulation of mineral substances, lactation	BIO11_W02	RZ
FZ_W03	Characterized processes: biological cycles, behavioural aspects	BIO11_W06	RZ

SKILLS – the student can:

FZ_U01	Described information about life processes in human and animal organism	BIO11-U05	RZ
FZ_U02	Understand physiological rules in the healthy animals and human, homeostasis and its role in the organism	BIO11-U06	RZ

SOCIAL COMPETENCE- the student is ready to:

FZ_K01	Work in the laboratory group	BIO11_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	BIO11_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	FZ_W01-03, FZ_U01-02, FZ_K01-02
Verification methods and criteria of effects evaluation	Written exam; Final grade: 60% exam, 40% exam credit.

Classes (laboratories)	30	hours
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Subjects of the classes	Hematology processes
	Heart, blood pressure, blood circulation
	Respiratory system
	Nervous system
	Digestion system
Urinary system	

Realized learning outcomes	FZ_W01-03, FZ_U01-02, FZ_K01-02
Verification methods and criteria of effects evaluation	written tests; Final grade: 60% exam, 40% exam credit.

Seminars	0	hours
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Subjects of the seminars	
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Realized learning outcomes	
Verification methods and criteria of effects evaluation	

Literature:

Basic	Hadley M.E. <i>Endocrinology. Prentice –Hall International Editions, 2002</i>
Supplementary	Cunningham J.G., Klein B.G. <i>Textbook of Veterinary Physiology, Saunders W.B. 2007</i> Guyton and Hall <i>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*

) * - 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