Course title:	Comparative physiology
Course title in Polish:	Fizjologia porównawcza
Course for discipline:	

Semester:	4	**Status of course:**	faculty	**Language:**	english
Academic year:		**Catalog number:**			

Coordinator of course:	dr hab. Michał M. Godlewski
Lecturer od course:	dr hab. Michał M. Godlewski
Executing unit:	Institute of Veterinary Medicine
Ordering unit:	Doctoral School SGGW
Assumptions, goals and description of the course:	Elective provides current knowledge on physiology of animal organism, with special emphasis on differences related to environment, lifestyle, feeding strategies and behaviour.
Didactic form, number of hours:	Lectures, 10 h
Teaching methods:	Multimedia lectures either contact or via MS Teams
Limit of people in the group:	-

Learning outcomes

KNOWLEDGE - the graduate knows and understands:	**SKILLS - the graduate is able to:**	**COMPETENCES - the graduate is ready to:**
To the extent enabling to revise the existing pradigms in the field/discipline - the world achievments, gathering theoretical background as well as general and selected detailed issues	Carry out critical assessment of the scientific research findings and expert activities and their contribution to the knowledge development in the field/discipline	Critically evaluate the achievments in the field/discipline represented
Major general development trends in the field/discipline		Recognise knowledge in solving cognitive and practical problems characteristic for the area of research (field/discipline) and in an interdisciplinary aspect
		Support the ethos of scientific circles and conduct independent research

The method of verification of learning outcomes:	Presence during lectures, discussion, exam
Form of documentation of achieved learning outcomes:	Grade in the eHMS system
Elements and weights of the final grade:	Presence on the lectures is mandatory. At exam 5 points is maximum, 3 points are required to pass.
Place of the course:	Lecture halls of the IVM or MS Teams

Basic and supplementary literature

C.D. Moyes, P.M. Schulte. Principles of animal physiology. II ed. Pearson 2007
K. Schmidt-Nielsen. Animal physiology. Adaptation and environment. V ed. Cambridge University Press 1997
Evolve. A&E Home Video 2009 (History ChanLel documentary series)
D. Dugan. Inside nature's giants. Harper Collins 2011 + Channel 4 documentary series.
D. Attenborough. Life. BBC Warner 2010
J.G. Cunningham, B.G. Klein. Textbook of veterinary physiology. IV ed. Saunders Elsevier2007
W. Boron, E.L. Boulpaep. Medical physiology. II ed. Saunders 2009
www.pubmed.com
www.wikipedia.org

Comments:	

Estimated number of hours of work of the doctoral student necessary to achieve the assumed learning outcomes:	25

Leraning outcomes reference to the second degree characteristics of the National Qualification Framework (level 8) covering doctoral competences:

Symbol:	**Learning outcomes:**	**8 level NQF**
SD1_KW01	To the extent enabling to revise the existing pradigms in the field/discipline - the world achievments, gathering theoretical background as well as general and selected detailed issues	P8S_WG
SD1_KW02	Major general development trends in the field/discipline	P8S_WG
SD1_KU05	Carry out critical assessment of the scientific research findings and expert activities and their contribution to the knowledge development in the field/discipline	P8S_UW
SD1_KK01	Critically evaluate the achievments in the field/discipline represented	P8S_KK
SD1_KK03	Recognise knowledge in solving cognitive and practical problems characteristic for the area of research (field/discipline) and in an interdisciplinary aspect	P8S_KK
SD1_KK08	Support the ethos of scientific circles and conduct independent research	P8S_KR