Sylabusy - Centrum Informatyczne UC





KAPITAŁ LUDZKI NARODOWA STRATEGIA SPÓJNOŚCI

Projekt współfinansowany przez Unię Europejską w ramach Europejskiego Funduszu Społecznego

UNIA EUROPEJSKA EUROPEJSKI FUNDUSZ SPOŁECZNY



Course title

Animal movement

ECTS code 13.1.1459

Name of unit administrating study

null Studies type first tier studies (BA) faculty field of study Intercollegiate Faculty of Biotechnology form full-time Biotechnology UG-MUG specialty all specialization all type first tier studies (BA), second tier studies (MA) Faculty of Biology Medical Biology form full-time specialty all specialization all type first tier studies (BA), second tier studies (MA) Faculty of Biology Biology form full-time specialty all specialization all type first tier studies (BA) Faculty of Chemistry Chemistry form full-time specialty all specialization all Faculty of Chemistry Environmental type first tier studies (BA) form full-time Protection specialty all specialization all type first tier studies (BA) Faculty of Economics Economics form full-time specialty all specialization all type first tier studies (BA), second tier studies (MA) Faculty of Geography form full-time Oceanography and specialty all Geography specialization all type first tier studies (BA) Faculty of Oceanography form full-time Oceanography and specialty all Geography specialization all

Teaching staff

dr hab. Magdalena Remisiewicz		
Forms of classes, the realization and number of hours	ECTS credits	
Forms of classes	2	
Wykład (to translate)	Work in contact with the lecturer:	
The realization of activities	Participatiion in lectures - 15 hours	
blended learning, lectures in the classroom	Writing the exam – 2 hours	
Number of hours		
Wykład (to translate): 15 hours	Individual work by the student:	
wykład (lo translate). To hours	Preparation for the exam - 8 hours	

2021/2022 summer semester

Type of course	Language of instruction		
elective (to translate)	english		
Teaching methods	Form and method of assessment and basic criteria for eveluation or examination requirements		
Lecture with multimedia presentation and discussion	Final evaluation		
	Egzamin (to translate)		

Sylabusy - Centrum Informatyczne UG Dział Kształcenia



	Assessr	nent methods
	Written assignment with test and open questions The basic criteria for evaluation The condition of a student being allowed to take exam is participation in all lectures. Allowed absence is 5 hours of lecture (225 min) in case of justified emergencies, e.g. sickness, hospitalisation, family problems, justified by relevant documents presented to the lecturer. The student can compensate for the absence by reading materials indicated by the lecturer or watching a recording from a lecture, if available.	
	according questions, from lectur	g the course is based on written assignment during the last lecture, marked to the percent scale (according to "Rules of studying at UG") with test open questions and sketches to label. The assignment covers the material es. In case of not passing the assignment at the first date, the student can ssignment of the same kind as the first one more time at the date agreed with r.
Sposób weryfikacji założonych efektów kształce	nia (DO TŁUM	IACZENIA)
zakładany efekt kształcenia		Sposób weryfikacji
		Wiedza
		Contribution to discussion.
		Writing exam (assigment with test and open questions).
		Umiejętności
		Writing exam (assigment with test and open questions).
Required courses and introductory requirements A. Formal requirements None	S	Kompetencje Contribution to discussion, writing exam (assigment with test and open questions).
A. Formal requirements	s	Contribution to discussion, writing exam (assigment with test and open
 A. Formal requirements None B. Prerequisites 	S	Contribution to discussion, writing exam (assigment with test and open
A. Formal requirements None B. Prerequisites English at level B2 Aims of education		Contribution to discussion, writing exam (assigment with test and open
A. Formal requirements None B. Prerequisites English at level B2 Aims of education		Contribution to discussion, writing exam (assigment with test and open questions).
A. Formal requirements None B. Prerequisites English at level B2 Aims of education Understanding reasons, mechanisms and adaptations of		Contribution to discussion, writing exam (assigment with test and open questions).
A. Formal requirements None B. Prerequisites English at level B2 Aims of education Understanding reasons, mechanisms and adaptations of Course contents 1. Animal movements – reasons and types. 2. General patterns and rules in animal movements.		Contribution to discussion, writing exam (assigment with test and open questions).
 A. Formal requirements None B. Prerequisites English at level B2 Aims of education Understanding reasons, mechanisms and adaptations of Course contents 1. Animal movements – reasons and types. 2. General patterns and rules in animal movements. 3. Altitudinal migrations in water and in mountains. 		Contribution to discussion, writing exam (assigment with test and open questions).
A. Formal requirements None B. Prerequisites English at level B2 Aims of education Understanding reasons, mechanisms and adaptations of Course contents 1. Animal movements – reasons and types. 2. General patterns and rules in animal movements. 3. Altitudinal migrations in water and in mountains. 4. Breeding migrations in different groups of animals.	of animals to mig	Contribution to discussion, writing exam (assigment with test and open questions).
 A. Formal requirements None B. Prerequisites English at level B2 Aims of education Understanding reasons, mechanisms and adaptations of Course contents 1. Animal movements – reasons and types. 2. General patterns and rules in animal movements. 3. Altitudinal migrations in water and in mountains. 	of animals to mig	Contribution to discussion, writing exam (assigment with test and open questions).
 A. Formal requirements None B. Prerequisites English at level B2 Aims of education Understanding reasons, mechanisms and adaptations of Course contents 1. Animal movements – reasons and types. 2. General patterns and rules in animal movements. 3. Altitudinal migrations in water and in mountains. 4. Breeding migrations in different groups of animals. 5. Seasonal migrations vs irruptive and irregular move 6. Mechanisms of animal navigation and orientation du 7. Regular patterns and outstanding achievements of patterns 	of animals to mig ments.	Contribution to discussion, writing exam (assigment with test and open questions).
 A. Formal requirements None B. Prerequisites English at level B2 Aims of education Understanding reasons, mechanisms and adaptations of Course contents 1. Animal movements – reasons and types. 2. General patterns and rules in animal movements. 3. Altitudinal migrations in water and in mountains. 4. Breeding migrations in different groups of animals. 5. Seasonal migrations vs irruptive and irregular move 6. Mechanisms of animal navigation and orientation du 7. Regular patterns and outstanding achievements of a 8. Novel techniques in studies of animal movements. 	of animals to mig ments.	Contribution to discussion, writing exam (assigment with test and open questions).
 A. Formal requirements None B. Prerequisites English at level B2 Aims of education Understanding reasons, mechanisms and adaptations of Course contents 1. Animal movements – reasons and types. 2. General patterns and rules in animal movements. 3. Altitudinal migrations in water and in mountains. 4. Breeding migrations in different groups of animals. 5. Seasonal migrations vs irruptive and irregular move 6. Mechanisms of animal navigation and orientation du 7. Regular patterns and outstanding achievements of patterns 	of animals to mig ments.	Contribution to discussion, writing exam (assigment with test and open questions).
 A. Formal requirements None B. Prerequisites English at level B2 Aims of education Understanding reasons, mechanisms and adaptations of Course contents 1. Animal movements – reasons and types. 2. General patterns and rules in animal movements. 3. Altitudinal migrations in water and in mountains. 4. Breeding migrations in different groups of animals. 5. Seasonal migrations vs irruptive and irregular move 6. Mechanisms of animal navigation and orientation du 7. Regular patterns and outstanding achievements of a 8. Novel techniques in studies of animal movements. Bibliography of literature A. Compulsory: 1. Milner-Gulland, E.J., J.M. Fryxell, Sinclair A.R.E.207 	of animals to mig ements. uring migration. migratory animal	Contribution to discussion, writing exam (assigment with test and open questions).
 A. Formal requirements None B. Prerequisites English at level B2 Aims of education Understanding reasons, mechanisms and adaptations of Course contents 1. Animal movements – reasons and types. 2. General patterns and rules in animal movements. 3. Altitudinal migrations in water and in mountains. 4. Breeding migrations in different groups of animals. 5. Seasonal migrations vs irruptive and irregular move 6. Mechanisms of animal navigation and orientation du 7. Regular patterns and outstanding achievements of a 8. Novel techniques in studies of animal movements. Bibliography of literature A. Compulsory: 1. Milner-Gulland, E.J., J.M. Fryxell, Sinclair A.R.E.207 2. Newton I. 2010. Bird Migration. Harper Collins. 	of animals to mig ements. uring migration. migratory animal	Contribution to discussion, writing exam (assigment with test and open questions).
 A. Formal requirements None B. Prerequisites English at level B2 Aims of education Understanding reasons, mechanisms and adaptations of Course contents 1. Animal movements – reasons and types. 2. General patterns and rules in animal movements. 3. Altitudinal migrations in water and in mountains. 4. Breeding migrations in different groups of animals. 5. Seasonal migrations vs irruptive and irregular move 6. Mechanisms of animal navigation and orientation du 7. Regular patterns and outstanding achievements of it 8. Novel techniques in studies of animal movements. Bibliography of literature A. Compulsory: 1. Milner-Gulland, E.J., J.M. Fryxell, Sinclair A.R.E.207 2. Newton I. 2010. Bird Migration. Harper Collins. B. Facultative: 	of animals to mig ements. uring migration. migratory animal	Contribution to discussion, writing exam (assigment with test and open questions). rations, as an important element of animal's life cycle in seasonal climates. s. tion: A Synthesis. Oxford University Press.
 A. Formal requirements None B. Prerequisites English at level B2 Aims of education Understanding reasons, mechanisms and adaptations of Course contents 1. Animal movements – reasons and types. 2. General patterns and rules in animal movements. 3. Altitudinal migrations in water and in mountains. 4. Breeding migrations in different groups of animals. 5. Seasonal migrations vs irruptive and irregular move 6. Mechanisms of animal navigation and orientation du 7. Regular patterns and outstanding achievements of its 8. Novel techniques in studies of animal movements. Bibliography of literature A. Compulsory: 1. Milner-Gulland, E.J., J.M. Fryxell, Sinclair A.R.E.207 2. Newton I. 2010. Bird Migration. Harper Collins. B. Facultative: 1. Dingle H. 1996. Migration: The Biology of Life on the 	of animals to mig ements. uring migration. migratory animal 11. Animal Migra e Move. Oxford L	Contribution to discussion, writing exam (assigment with test and open questions). rations, as an important element of animal's life cycle in seasonal climates. s. tion: A Synthesis. Oxford University Press. Jniversity Press.
 A. Formal requirements None B. Prerequisites English at level B2 Aims of education Understanding reasons, mechanisms and adaptations of Course contents 1. Animal movements – reasons and types. 2. General patterns and rules in animal movements. 3. Altitudinal migrations in water and in mountains. 4. Breeding migrations in different groups of animals. 5. Seasonal migrations vs irruptive and irregular move 6. Mechanisms of animal navigation and orientation du 7. Regular patterns and outstanding achievements of it 8. Novel techniques in studies of animal movements. Bibliography of literature A. Compulsory: 1. Milner-Gulland, E.J., J.M. Fryxell, Sinclair A.R.E.207 2. Newton I. 2010. Bird Migration. Harper Collins. B. Facultative: 	of animals to mig ements. uring migration. migratory animal 11. Animal Migra e Move. Oxford L the great journe	Contribution to discussion, writing exam (assigment with test and open questions). rations, as an important element of animal's life cycle in seasonal climates. s. tion: A Synthesis. Oxford University Press. Jniversity Press.
 A. Formal requirements None B. Prerequisites English at level B2 Aims of education Understanding reasons, mechanisms and adaptations of Course contents 1. Animal movements – reasons and types. 2. General patterns and rules in animal movements. 3. Altitudinal migrations in water and in mountains. 4. Breeding migrations in different groups of animals. 5. Seasonal migrations vs irruptive and irregular move 6. Mechanisms of animal navigation and orientation du 7. Regular patterns and outstanding achievements of the Novel techniques in studies of animal movements. Bibliography of literature A. Compulsory: 1. Milner-Gulland, E.J., J.M. Fryxell, Sinclair A.R.E.207 2. Newton I. 2010. Bird Migration. Harper Collins. B. Facultative: 1. Dingle H. 1996. Migration: The Biology of Life on the 2. Elphick, J. 1995. The atlas of bird migration: tracing 	of animals to mig ements. uring migration. migratory animal 11. Animal Migra e Move. Oxford L the great journe	Contribution to discussion, writing exam (assigment with test and open questions). rations, as an important element of animal's life cycle in seasonal climates. s. tion: A Synthesis. Oxford University Press. Jniversity Press.
 A. Formal requirements None B. Prerequisites English at level B2 Aims of education Understanding reasons, mechanisms and adaptations of Course contents 1. Animal movements – reasons and types. 2. General patterns and rules in animal movements. 3. Altitudinal migrations in water and in mountains. 4. Breeding migrations in different groups of animals. 5. Seasonal migrations vs irruptive and irregular move 6. Mechanisms of animal navigation and orientation du 7. Regular patterns and outstanding achievements of a 8. Novel techniques in studies of animal movements. Bibliography of literature A. Compulsory: 1. Milner-Gulland, E.J., J.M. Fryxell, Sinclair A.R.E.207 2. Newton I. 2010. Bird Migration. Harper Collins. B. Facultative: 1. Dingle H. 1996. Migration: The Biology of Life on the 2. Elphick, J. 1995. The atlas of bird migration: tracing 3. Alerstam, T. 1990. Bird migration. Cambridge Univer 4. Berthold, P. 2003. Avian migration. Springer. 5. Greenberg, R. and Marra, P.P. (2005) Birds of Two 	of animals to mig ements. uring migration. migratory animal 11. Animal Migra 11. Animal Migra e Move. Oxford L the great journe ersity Press. Worlds: The Ecc	Contribution to discussion, writing exam (assigment with test and open questions). rations, as an important element of animal's life cycle in seasonal climates. s. tion: A Synthesis. Oxford University Press. Jniversity Press. ys of the world's birds. Random House. plogy and Evolution of Migration. Johns Hopkins University Press.
 A. Formal requirements None B. Prerequisites English at level B2 Aims of education Understanding reasons, mechanisms and adaptations of Course contents 1. Animal movements – reasons and types. 2. General patterns and rules in animal movements. 3. Altitudinal migrations in water and in mountains. 4. Breeding migrations in different groups of animals. 5. Seasonal migrations vs irruptive and irregular move 6. Mechanisms of animal navigation and orientation du 7. Regular patterns and outstanding achievements of a 8. Novel techniques in studies of animal movements. Bibliography of literature A. Compulsory: 1. Milner-Gulland, E.J., J.M. Fryxell, Sinclair A.R.E.207 2. Newton I. 2010. Bird Migration. Harper Collins. B. Facultative: 1. Dingle H. 1996. Migration: The Biology of Life on the 2. Elphick, J. 1995. The atlas of bird migration: tracing 3. Alerstam, T. 1990. Bird migration. Springer. 5. Greenberg, R. and Marra, P.P. (2005) Birds of Two 6. Lucas, M.C. and Baras, E. 2001. Migration of fresh 	of animals to mig ements. uring migration. migratory animal 11. Animal Migra e Move. Oxford L the great journe ersity Press. Worlds: The Ecc water fishes. Bla	Contribution to discussion, writing exam (assigment with test and open questions). rations, as an important element of animal's life cycle in seasonal climates. s. tion: A Synthesis. Oxford University Press. Jniversity Press. ys of the world's birds. Random House. plogy and Evolution of Migration. Johns Hopkins University Press.

Sylabusy - Centrum Informatyczne UG Dział Kształcenia



	Knowledge
	A student consistently applies and disseminates the principle of a strict, based on empirical data, interpretation of biological phenomena and processes in research and practical activities
	A student has in-depth knowledge of the animal movements.
	Skills
	A student selects and applies knowledge on animal movements to interpret and
	conclude on empirical data related to animal movements.
	Social competence
	A student understands the need to use recognized sources of scientific and popular
	science information on animal behaviour in order to deepen knowledge.
Contact	
magdalena.remisiewicz@ug.edu.pl	