Title:	**Conservation Genetics**
Lecture hours:	15 – lecture 15 – lab
Study period: (summer/winter)	Winter
Number of credits:	4 ECTS
Assessment methods:	Test (lecture) Reports (lab)
Language of instruction:	English
Prerequisites:	General course: genetics, ecology
Course content:	Lecture and lab cover parallel topics: - Genetic markers in nature conservation - Measures of genetic diversity - The effect of genetic drift in populations under extinction - Effective population size - Mating systems, inbreeding, and inbreeding depression - Population fragmentation and isolation by distance
Learning outcomes:	Students should be able to: - understand the role of genetic markers in nature conservation - interpret results of basic analyses of genetic diversity - understand the mechanism of genetic drift - understand the difference between the census and effective population size - predict genetic effects of different mating systems - understand the role of gene flow in fragmented populations
Name of lecturer	Igor Chybicki
Contact (email address):	igorchy@ukw.edu.pl
Literature:	Frankham R, Ballou JD, Briscoe DA. (2004) A Primer of Conservation Genetics. Cambridge University Press Maynard Smith J (1998) Evolutionary Genetics. Oxford University Press