A07 Unconventional livestock and wildlife - management, utilisation and conservation

Module	**Unconventional livestock and wildlife - management, utilisation and conservation**							
Code	**A07**							
Coordinator	Prof. Dr. E. Schlecht							
Language	English							
Stud. Workload	180h (60h contact time)							
Credits	6 ECTS							
Frequency (WS/SS)	SS, every second year, alternating with the module “Socio-ecology of livestock productions systems”							
Instructor	Dr. C. Hülsebusch							
Contents	History of domestication of livestock. Unconventional livestock in Asia/Oceania, Africa and Latin America: Biology, management, production systems. Commercial and subsistence products from little known domesticated animal species – such as insects, snails, reptiles, rodents up to little used ungulates. Local and national economic potential and contribution to local livelihoods. Wildlife in Asia, Africa and Latin America: Biology, wildlife demography and modelling of population dynamics, human/wildlife conflicts, international conventions on (agro)-biodiversity and conservation, strategies for wildlife conservation through utilisation, different wildlife utilisation concepts, wildlife based tourism, terminal wildlife utilisation of different intensity ("Hunting/Trophy hunting", "Game-Ranching", "Game Farming", "Feedlot" with beginning domestication), community-based utilisation *cum* conservation approaches. Contribution of wildlife utilisation to the livelihood of rural communities. Regulations, possibilities and constraints for wildlife conservation.							
Objectives	Based on the development of agriculture, particularly the domestication of animals, students know the differences between livestock and wildlife and the importance and potential of unconventional livestock and wildlife for rural development and human livelihoods in different regions of the world. Students obtain an overview over the wide variety of unconventional livestock, their adaptive features, biology and ecology and the various production systems under which they are kept. Students familiarize with the variety of wildlife species, their biology, ecology and population dynamics and the potential of their exploitation. They know the major international conventions pertaining to wildlife conservation and are familiar with the nature and magnitude of human/wildlife conflicts. They know about costs and benefits associated with human-wildlife-co-existence and understand the dilemma between (inter-)national conservation objectives and local household livelihood objectives. Students obtain an overview over different terminal and non-terminal options of wildlife utilisation and management and their respective potential contribution to the above conflicting objectives.							
Literature	Diamond, J. 1999: Guns, Germs, and Steel: The Fates of Human Societies. W.W.Norton and Company, New York, 480 p.; Board on Science and Technology for International Development 1991: Microlivestock Little-Known Small Animals with a Promising Economic Future. National Academy Press, Washington D.C., 449; Bonner, R.. 1993: At the Hand of Man - Peril and Hope for Africa's Wildlife. Alfred A. Knopf Inc., New York, 322 p.; Convention on International Trade in Endangered Species of Wild Fauna and Flora 1973/1979 at http://www.cites.org/ (incl. appendices)							
Study system usability	Economy		Organic		Tropical			
	E		E		E			
Entrance requirements	Basic knowledge (B.Sc. level) of soil, plant and animal sciences							
Instruction type	Lecture		Seminar	Excursion	Practice		Tutorial	Project
Duration [contact h]	30		10	8	12			
Examination type	Oral test	Written test	Homework	Sem. speech	Protocol	Work report	Proj. report	Proj. pres.
		x		x				
Grade composition	70% written test, 30% sem. speech							