



# UNIVERSITÀ DI PAVIA

Anno Accademico 2017/2018

## WILDLIFE MANAGEMENT AND CONSERVATION

Enrollment year	2017/2018
Academic year	2017/2018
Regulations	DM270
Academic discipline	BIO/05 (ZOOLOGY)
Department	DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCES
Course	NATURAL SCIENCES
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	2nd semester (01/03/2018 - 13/06/2018)
ECTS	12
Lesson hours	114 lesson hours
Language	Italian
Activity type	ORAL TEST
Teacher	FASOLA MAURO (titolare) - 3 ECTS MERIGGI ALBERTO - 9 ECTS
Prerequisites	Acquisition of basic knowledge of Animal Ecology and Ethology; Use of GIS software, in particular Quantum GIS; Inferential statistic knowledge, univariate, bivariate, and multivariate analyses.
Learning outcomes	The course aims to provide the students with a theoretical-practical approach to the wildlife conservation and management. It also provides the tools needed to wildlife planning both for conservation and for harvesting. At the end of the course, students will be able to carry out quantitative estimates of wildlife populations (censuses), assess and predict the population trend, to plan sustainable yield and numerical control, formulate habitat suitability models by the most advanced methods and to draw up wildlife plans for both hunting and protected areas.



All the main issues of management and conservation of the animal biota are treated

## Teaching methods

Lessons; seminars on specific issues; training on software for population viability analysis, habitat suitability modeling; field excursions.

**Recommeneded or required  
readings**

Wildlife Ecology, Conservation,  
and Management  
Second Edition  
Anthony R.E. Sinclair PhD, FRS  
Biodiversity Research Centre, University of British Columbia,  
Vancouver, Canada  
John M. Fryxell PhD  
Department of Integrative Biology, University of Guelph, Guelph,  
Canada  
Graeme Caughley PhD  
CSIRO, Canberra, Australia  
Manuale di gestione della fauna  
S. Lovari e F. Riga  
Greentime S.p.A. 2016  
Ecological Census  
Techniques  
a handbook  
Second Edition  
Edited by  
WILLIAM J. SUTHERLAND  
University of East Anglia  
Cambridge University Press 1996, 2006





## Oral examination



