

Schedule

Conservation biology, BIOR37

(15 credits)

Spring 2012, 16 January - 20 March

Course start: January 16th, 2012, 09:30 in the Red Room, Ecology Building, Sölvegatan 37, Lund

Literature: Sodhi & Ehrlich. 2010. Conservation Biology for All. Oxford Biology.

<http://www.mongabay.com/conservation-biology-for-all.html>

See further details on the course web <http://luvit.ced.lu.se/luvitportal> (log-in details will be provided).

Teachers

Course responsibility:

OO Ola Olsson, Animal Ecology (ola.olsson@zooekol.lu.se) tel: 046-222 37 74,
mob: 0733-44 83 90

Course assistant:

LH Lina Herbertsson, CEC (lina.herbertsson@cec.lu.se) tel 046-222 86 34
mob: 0702-96 42 55

Other teachers:

AB Arvid Bolin, Centre for Environmental and Climate Research
AJ Annelie Jönsson, Biodiversity
AP Anna Persson, Biodiversity
BW Björn Widén, Biodiversity
CD Catherine Davey, Centre for Environmental and Climate research
GA Georg Andersson, Biodiversity and Centre for Environmental and Climate Research
HS Henrik Smith, Biodiversity and Centre for Environmental and Climate Research
HT Henrik Thorén, Theoretical Philosophy and Law
KB Klaus Birkhofer, Biodiversity
LW Lena Wahlberg, Theoretical Philosophy and Law
MH Mikael Hedrén, Biodiversity
ML Max Lundberg, Molecular Ecology and Evolution
MR Maj Rundlöf, Biodiversity
MS Martin Stjernman, Biodiversity
NC Nils Cronberg, Biodiversity
NV Niklas Vareman, Theoretical Philosophy and Law
PL Per Lundberg, Theoretical Ecology
SA Stefan Andersson (resp. for Conservation Genetics), Biodiversity
SGN Sven G. Nilsson (resp. for Disturbance & Restoration), Biodiversity
SR Satu Ramula, Biodiversity
ÅL Åke Lindström, Biodiversity

Teaching forms and localities:

Below, the following codes are used to indicate different teaching forms:

L - Lecture, S - Seminar (group discussion), E - Exercise (often in groups, often with computers),

O - Own work (e.g. reading), X - Excursion.

The following rooms will be used:

RR - Röda Rummet, K - Kärret, M - Mossen, Ä - Ängen, Hj - Hjortronet, Kr - Kråkbäret,

Li - Lingonet, Ri - Ripbäret, Ma - Masklaven, Ra - Raggmossan, Re - Renlaven, Vi - Vitmossan

BH - Blå hallen

<i>Date</i>	<i>Time</i>	<i>Title</i>	<i>Form</i>	<i>Teacher</i>	<i>Place</i>
<i>version 2012-01-24</i>					
Introduction					
	9:30 - 10:30	Welcome and introduction		all	RR
Mon 16 Jan	10:40 - 12:00	What is conservation biology. Patterns of biodiversity	L	OO	RR
	13:00 - 14:30	Questions for conservation biology	E	OO	RR
Tue 17 Jan	9:00 - 12:00 pm	Robust decisions Conservation values and ethics - read papers	L O	NV	RR
Wed 18 Jan	9:00 - 10:20 10:40 - 12:30	Some concepts and ideas in conservation biology Conservation values and ethics - write reports	L E	OO	RR
Thu 19 Jan	9:00 - 12:00	Conservation values and ethics - presentation	S	OO, LH, LW, HT	Hj, Kr, Li, Ri
Fri 20 Jan	9:00 - 10:20 10:40 - 12:00 13:00 - 14:30	Measuring biodiversity Biodiversity measures beyond species Redlists	L/E L L	OO KB SGN	RR RR RR
Mon 23 Jan	9:00 - 10:30 10:45 - 12:00	Evidence based conservation Threats to biodiversity	L S	AJ SGN, OO	RR Hj, Kr, Li, Ri
Space, Planning & Climate					
	13:00 - 14:30	Conservation problems in a changing climate	L	HS	RR
Tue 24 Jan	9:00 - 10:30 10:45 - 14:30	Conservation of space Systematic conservation planning	L E	OO OO	
Wed 25 Jan	9:00 - 12:00 13:00 - 14:00	Systematic conservation planning Presentation of possible honours theses projects / examensarbeten	E S	OO LH +	K
Thu 26	09:00 - 10:00	Discussion of exercise	E	OO, SGN	K

Jan	10:20 - 12:00	Climate change and conservation	S	LH, CD	Hj, Li, Ri, Kr
Fri 27 Jan	9:00 - 12:00	Population dynamics in heterogenous landscapes (Source-sink systems)	L	HS	RR
Population Dynamics					
Mon 30 Jan	10:00 - 16:00	Demography	E	PL, MP	K
Tue 31 Jan	9:00 - 10:00	Population dynamics	L	PL	K
	10:20 - 12:00	Population dynamics	E	PL, MP	K
	13:00 - 16:00	Population dynamics	E	PL, MP	K
Wed 1 Feb	9:00 - 12:00	Parameter estimation	L/E	PL	K
	13:00 - 16:00	PVA	L/E	PL	K
Thu 2 Feb	9:00 - 10:00	Sustainable use	L	PL	K
	10:20 - 12:00	Sustainable use	E	PL,	K
	13:00-14:30	Land-sharing vs. land-sparing	L	JE	RR
Fri 3 Feb	9:00 - 12:00	Population trend analysis	E	ÅL, MS	K
Conservation Genetics					
	9:00 - 10:20	Genetic variation and its importance (basic)	L	NC	RR
Mon 6 Feb	10:40 - 12:00	Measures of genetic variation (basic)	S	NC, SA	Hj, Kr, Li, Ri
	13:00 - 15:00	Marker genes as tools in conservation genetics	L	ML	K
Tue 7 Feb	9:00 - 12:00	Genetic variation and conservation	L	SA	RR
	13:00 - 15:00	Quantitative genetics in conservation biology	L	SA	K
	9:00 - 10:20	Genetic variation and conservation (cont'd)	L	SA	K
Wed 8 Feb	10:40 - 12:00	Units of conservation: From genes to species	L	SA	K
	13:00 - 15:00	Conservation units within an orchid polyploid complex	L	MH	K
Thu 9 Feb	9:00 - 12:00	Seminar	S	SA	Hj, Kr, Li, Ri
Heterogenous Environments					
Fri 10 Feb	10:00 - 12:00	Behavioural based models and tools in conservation	L	OO	RR

Mon 13 Feb	9:00 - 12:00	Metapopulation dynamics - basic concepts	L	SGN	RR
	13:00 - 14:30	Behavioural tools in conservation	S	OO, AB	Hj, Kr, Li, Ri
Tue 14 Feb	9:00 - 10:30	Spatial heterogeneity in human modified landscapes	L	OO	RR
	13:00 - 14:30	Metapopulation dynamics/ Corridors	S	SGN, LH	Hj, Kr, Li, Ri
Wed 15 Feb	9:00 - 16:00	Source-sink & metapopulation dynamics	E	EP, LH	K
Thu 16 Feb	9:00 - 10:20	Source-sink & metapopulation dynamics (discussion of exercise)	S	EP, LH	RR
	10:40 - 12:00	Source-sink dynamics	S	LH, SGN	RR
Fri 17 Feb	9:00 - 14:30	Spatial ecology	L/E	CD, LH	K
<i>Disturbance & Restoration</i>					
Mon 20 Feb	9:00 - 12:00	Changed disturbance regimes - natural and manmade	L	SGN	RR
	13:00 - 14:30	Effects of introduced species	L	SR	K, M
Tue 21 Feb	9:00 - 10:30	Semi-natural grasslands: management & restoration	L	MR	RR
	10:45 - 12:00	Effects of introduced species	S	SR, SGN	Hj, Kr, Li, Ri
	9:00 - 10:30	Landscape history and current distributions	L	SGN	RR
Wed 22 Feb	11:00 - 12:30	Disturbance regimes and conservation: example fire	L	SGN	RR
	13:30 - 15:00	Continuity, restoration or both?	S	SGN, LH	Bl, Vi, M, Gu
Thu 23 Feb	9:00 - 10:30	Organic farming as a restoration tool	L	GA	RR
	10:45 - 12:00	Pollination services in agricultural landscapes	L	GA	RR
Fri 24 Feb	9:00 - 12:00	Function of biodiversity, and ecosystem services	S/E	AJ, GA	K
Mon 27 Feb	9:00 - 10:20	Consequences of bush meat hunting in tropical forests	L	OO	RR
	10:40 - 12:00	Ex-situ conservation and reintroductions	L	OO	RR
	13:00 - 14:30	Ecosystem impacts of species extinctions and depletions	S	SGN, OO	Hj, Kr, Li, Ri

Tue 28 Feb	9:00 - 16:00	Ex-situ conservation and reintroductions	X	OO, AJ	
	9:00 - 10:30	Restoring viable populations of a threatened plant species	L	BW	RR
Project					
Wed 29 Feb	10:45 - 12:00	What is conservation biology? And why?	L	OO, SGN, HS, SA, LH	K
	13:00 - 14:00	Introduction to project work	L	All	K
Thu 1 - Wed 7 Mar		Project work	E		
Thu 8 Mar	12:00	Upload project report	E		
Nemoral Excursion, Project Presentations, Exam					
Fri 9 Mar	9:00 - 9:30	Oral course evaluation	S	OO, LH, ...	K
	9:45 - 15:30	Project presentations	S	All	K, M
Mon 10 Mar	9:00 - 16:00	Restoration of nemoral forest habitats: Example Hackeberga	X	SGN	
Tue 13 Mar	9:00 - 12:00	Preparing for seminar	O		
	13:00-14:30	Restoration of nemoral forest habitats	S	SGN	BH
Tue 20 Mar	9:00 - 14:00	Written exam		AJ	

End Of Course - Hope you enjoyed it!

Förändring

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Lina, detta får vi förankra i gruppen och resten av enheten etc

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