

Forest Conservation Biology – schedule

(version November 1st 2020)

Course leader: Thomas Ranius (thomas.ranius@slu.se)

Full time distance course given from November to January. This autumn, the meeting in Uppsala is cancelled, so there are no occasions where students have to be at any certain place. However, there are mandatory activities (noted as “mandatory” below) that take place synchronously, i.e. you have to sit in front of your computer at certain times. Also those activities for which a deadline is noted in the schedule below are mandatory, but it is only the time for the deadline which has been set, otherwise these activities are asynchronous.

The modules (used in Canvas) are below written in bold. In the list of the course literature, it is indicated which literature that belongs to different parts of the schedule.

Introduction and biodiversity metrics					
v. 45					
Mon 2 Nov	9:00 - 10:45	Introduction	intro	TR	mandatory
	11:00 -	Ecological concepts	assignment	TR	
Tue 3 Nov		Forest Conservation Biology and the Society	lecture	TR	
		Biodiversity - definition and patterns	lecture	AMH	
		Biodiversity metrics	assignment	AMH	
Wed 4 Nov	9:00 - 11:00	Discussion: Ecological concepts	assignment	TR	
		Extinctions, declines, and threats	lecture	AMH	
Thu 5 Nov	9:00 - 10:00	Discussion: Biodiversity, extinctions, threats (intro)	discussion	AMH	
Fri 6 Nov	18:00	Biodiversity metrics	assignment	AMH	deadline
Ecological concepts					
v. 46					
Mon 9 Nov	9:00-11:00	Conservation genetics	assignment	AN	mandatory
Tue 10 Nov	9:00-11:30	Conservation genetics	assignment	AN	
Wed 11 Nov		Landscape planning, extinction debts and colonisation credits	lecture	EÖ	
Thu 12 Nov		Metapopulation ecology	lecture	TR	
Fri 13 Nov		Redlists and redlisting	lecture	AMH	
v. 47					
Mon 16 Nov		Population Viability Analysis	lecture	TR	
Tue 17 Nov	9:00 - 11:15	Extinction debts	lit. sem.	CL, JF	mandatory
	13:00 - 16:00	Conservation genetics	assignment	AN	mandatory
Wed 18 Nov		Indicators and other surrogate tools	lecture	JöS	
	11:00 - 11.45	Indicators and other surrogate tools	discussion	JöS	

	13:00 - 14:30	Population Viability Analysis	seminar	TR	
Conditions, processes and disturbances					
Thu 19 Nov		Disturbances and conservation values in boreal forests	lecture	JoS	
		Disturbances and conservation values in nemoral forests	lecture	TR	
Fri 20 Nov	18:00	Conservation genetics	assignment	AN	deadline
v. 48					
Mon 23 Nov		Compare disturbance regime and conservation values	assignment	TR, JoS	
Tue 24 Nov	20:00	Compare disturbance regime and conservation values	assignment	TR, JoS	deadline
Wed 25 Nov		Non-native species	lecture	JöS	
	11:00 - 11.45	Non-native species	discussion	JöS	
Thu 26 Nov		Climate effects on forestry and species	lecture	EÖ, AdF	
Fri 27 Nov	9:00 - 11:15	Climate change and biodiversity	lit. sem.	CL, JF	mandatory
		Browsing of large herbivores	lecture	AnF	
Conservation measures in forests					
v. 49					
Mon 30 Nov		Forestry and biodiversity conservation	lecture	AdF	
Tue 1 Dec	9:00 - 11:15	Conservation measures in managed forest	lit. sem.	CL, JF	mandatory
Wed 2 Dec	9:00 - 10:00	Debate (intro)	assignment	AMH	mandatory
		Restoration and rewilding	lecture	AMH	
Thu 3 Dec					
Fri 4 Dec	9:00 - 17:00	Species conservation	exam	TR et al	mandatory
Nature conservation in the society					
v. 50					
Mon 7 Dec	9:00 – 11:30	Forestry and biodiversity	assignment	TR	
Tue 8 Dec	10:00 - 11:30	Conservation work in governmental and private organisations	seminar	CL + others	mandatory
	13:00-16:00	Conservation work in governmental and private organisations	seminar	CL + others	mandatory
Wed 9 Dec	9:00 - 11:30	Discussion: Forestry and biodiversity	assignment	TR	
Thu 10 Dec		Policy, legacy, legislation	lecture	BGJ	
Fri 11 Dec	9:00 - 11:15	Swedish forest policy	lit. sem.	CL, JF	mandatory
v. 51					
Mon 14 Dec		Cost-effectiveness	lecture	BGJ	
		Urban ecology and forestry	lecture	MH	

Tue 15 Dec	9:00 - 11:15	Cost-effectiveness	lit. sem.	CL, JF	mandatory
		Case study: urban nature		MH	
Wed 16 Dec	9:00 - 12:00	Debate	assignment	AMH, TR	mandatory
Thu 17 Dec	9:00 - 12:00	Debate	assignment	AMH, TR	mandatory
		What forest do we like?	lecture	MH	
Fri 18 Dec		Debate article	assignment	AMH	deadline
Urban forests and finalisation		<i>Started with lectures Dec 14th</i>			
v. 1					
Thu 7 Jan	9:00 - 11:00	Discussion: urban ecology	lecture	MH	
Fri 8 Jan	9:00 - 11:15	Urban ecology	lit. sem.	MH	mandatory
v. 2					
Mon 11 Jan	09:00	Landscape	exam	TR et al	mandatory
Tue 12 Jan		Landscape	exam	TR et al	mandatory
Wed 13 Jan	17:00	Landscape	exam	TR et al	mandatory
Thu 14 Jan	9:00 - 10:00	Course evaluation		TR	deadline

AdF = Adam Felton

AMH = Anne-Maarit Hekkala

AN = Anita Norman

AnF = Annika Felton

BGJ = BeGe Jonsson

CL = Carl Lehto

EÖ = Erik Öckinger

JF = Juliana Dániel Ferreira

JoS = Joachim Strengbom

JöS = Jörgen Sjögren

MH = Marcus Hedblom

TR = Thomas Ranius