

Date	Pre-class Readings/Assignments	Class Focus	Lab	Graded Assignments
M 1/13	RR: Chapter 1	Intro and Extent		
W 1/15	Review Reading Scale - http://www.esa.org/history/Awards/papers/Levin_SA_MA.pdf (<i>Focus on big ideas in this paper; we will come back to the details later in the semester</i>) RR: Pgs 540-542	Scale & Extent	Local Field Trip (BA)	
F 1/17	Read RR: Chap 20 pgs 411-414 & 21 pgs 456-460 Purvis and Hector: Getting the measure of biodiversity http://www.nature.com/nature/journal/v405/n6783/full/405212a0.html Watch - https://www.youtube.com/watch?v=TartoYpK1yI&list=PLF8A702527588229A&index=3	Biodiversity & Ecosystem Services		

M 1/20	No Class	No Class		MLK Holiday
W 1/22	RR: Chap. 4	Variation in the Environment & Physiology	Data Lab and Field Trip	
F 1/24	Primary Literature Day #1 (JQ) Q&S worksheet Paper #1 http://www.esajournals.org/doi/abs/10.1890/13-0746.1 Paper #2 http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1395357/			
M 1/27	RR: Chap. 2,3 Watch: Frozen Frogs http://www.pbs.org/wgbh/nova/nature/frozen-frogs.html Watch: Kangaroo adaptation http://www.bbc.co.uk/programmes/p0037pn8	Physiology		
W 1/29	RR: Chap 7, but review 6 Watch: https://www.youtube.com/watch?v=Atg-5Nqsz	Life History	Flour Beetles 1	

	xw			
F 1/31	Primary Literature Day #2 (JQ) No papers - Wednesday's lecture	Physiology and Life History		
M 2/3	RR: Chap 11 Watch: https://www.youtube.com/watch?v=jbkSRLYS_ojo	Population Growth		Introduce Ecology of a species + EOL or Wikipedia due 2/21
W 2/5	RR: Chap 10	Population	Acoustics	
F 2/7	Primary Literature Day #3 (JQ) Paper #1 http://www.sciencemag.org/content/336/6085/1175 Paper #2 http://www.jstor.org/discover/10.2307/1447430?uid=3739896&uid=2&uid=4&uid=3739256&sid=21103352511677			
M 2/10	RR: Chap 12	Population		
W 2/12	Exam #1	Exam #1		

F 2/14	Primary Literature Day #4	Population Papers		
M 2/17	RR: Chap 14, 17 Watch: https://www.youtube.com/watch?v=EWB_CO_SUXMw and Lobsters: http://www.lobsters.unh.edu/LTV/LTV.HTM	Sp. Interactions		
W 2/19	RR: Chap 15 Watch: Praying Mantis vs Mouse https://www.youtube.com/watch?v=pNcIUIULafw	Sp. Interactions	Flour Beetles 2	
F 2/21	Primary Literature Day #5 Paper #1 http://www.jstor.org/stable/10.1086/603640 Paper #2 http://www.pnas.org/content/109/27/10942.full	Sp. Interaction Papers		
M 2/24	RR: Chap 16 Watch: Birds https://www.youtube.com/watch?v=EzLADnLsNRs	Sp. Interactions (Competition)		

	and Plants https://www.youtube.com/watch?v=igkjcuw_n_U			
W 2/26	RR: Chap 18 Watch: Army of Sea Urchins https://www.youtube.com/watch?v=D3W4OCnHyCs&list=PLZRMqMK8aRmKw_rU69ffkABjc55CVu6d&index=3	Communities	No Lab on Wednesday → Lab trip on Saturday	
F 2/28	Primary Literature Day #6 Paper #1 http://onlinelibrary.wiley.com/enhanced/doi/10.1046/j.1365-2656.2003.00713.x/ Plus a video www.arkive.org/common-limpet/patella-vulgata/video-03.html Paper # 2 http://onlinelibrary.wiley.com/doi/10.1111/j.1461-0248.2009.01347.x/full Plus a video https://www.youtube.com/watch?v=ysa5O	Sp. Interaction Papers		Trip to Blue Wall on Saturday 8-5

	BhXz-Q			
M 3/3		Communities		
W 3/5	RR: Chap 19 Watch: Succession in a forest in Borneo http://www.bbc.co.uk/programmes/p0038s03	Communities	Rusty Blackbirds @LC	
F 3/7	Primary Literature Day #7 Paper #1 https://courses.furman.edu/pluginfile.php/124370/mod_folder/content/1/Rodriguez%202006%20Can%20invasive%20speceis%20facilitate%20native%20species.pdf?forcedownload=1 Paper #2 http://homepages.ualgary.ca/~jefox/Fox%202013%20TREE%20-%20zombie%20IDH.pdf Bonus/Optional Article http://www.jstor.org.libproxy.furman.edu/stable/pdfplus/30033969.pdf?acceptTC=true&acceptTC=true&jpdConfirm=true	Community Papers		

M 3/10	No Class	No Class	Spring Break	Spring Break
W 3/12	No Class	No Class	Spring Break	Spring Break
F 3/14	No Class	No Class	Spring Break	Spring Break
M 3/17	RR: Chap 22, 23, 24 Watch https://www.youtube.com/watch?v=vA7tfz3k9A&list=PLZRMqMK8aRmKw_rU69fifkABjc55CVu6d&index=12	Ecosystems		
W 3/19	Guest Lecture		Island Biogeography	
F 3/21	Read for trip to the Coast http://news.nationalgeographic.com/news/2013/10/131003-rufa-red-knot-threatened-endangered-migrating-birds/ http://www.defenders.org/red-knot/basic-facts	Migration	Overnight Trip to the Coast → Return on Saturday Afternoon	http://www.ccprc.com/index.aspx?nid=53 http://www.ccprc.com/index.aspx?nid=68
M 3/24	Ecosystems			
W 3/26	Changing the global food narrative http://www.theecologist.org/blogs_and_comments/commentators/2215781/changing_the_global_food_narrative.html?utm_&&&	Agroecology	Plant Diversity @ BA, FU	

	Article #1 J Foley Solutions for a cultivated planet http://xa.yimg.com/kq/groups/18383638/1369697609/name/nature10452.pdf Article #2 Redefining agricultural yields: from tonnes to people nourished per hectare http://iopscience.iop.org/1748-9326/8/3/034015/article?fromSearchPage=true			
F 3/28	Primary Literature Day #8 Kellie and Kayla Paper #1 http://onlinelibrary.wiley.com/doi/10.1111/j.1466-8238.2010.00563.x/abstract Paper #2 http://www.nature.com/nature/journal/vaop/ncurrent/full/nature13014.html Bonus Paper			
M 3/31	Exam #2			
W 4/2	RR: Chap 5 Read: http://ecotope.org/people/ellis/papers/ellis_201	Biomes/Anthromes	Plant Diversity @ Greenbrier	

	0.pdf			
F 4/4	No Class - ASB Meeting	No Class - ASB Meeting	No Class - ASB Meeting	No Class - ASB Meeting
M 4/7	Read: http://www.nature.com/scitable/knowledge/library/principles-of-landscape-ecology-13260702 & http://www.umass.edu/landeco/about/landeco.pdf	Landscape Ecology		
W 4/9	Gaston: Global Patterns of biodiversity http://www.nature.com/nature/journal/v405/n6783/pdf/405220a0.pdf	Macroecology Ecology		
T 4/(10)	Primary Literature Day #9 Hayley Swatzel Paper #1 http://rstb.royalsocietypublishing.org/content/366/1578/2642.full.pdf+html Paper #2 https://courses.furman.edu/pluginfile.php/124370/mod_folder/content/1/Zanno%20and%20Makovicky%202013%20No%20evidence%20for%20direction%20evolution%20of%20body%20mass%20in%20herbivorous%20theropod%20dinosaurs.pdf?forcedownload=1			Furman Engaged on Friday

	Friday's class moved to Thursday If possible attend Lisa Randall Lecture in the evening			
M 4/14	RR Chap: 8,9	Behavioral Ecology		
W 4/16	For lab read Paper #1 http://rsbl.royalsocietypublishing.org/content/9/1/20120931.abstract Paper #2 (choose either paper below for your second) http://www.nature.com/nature/journal/v462/n7271/full/462280a.html & http://www.nature.com/uidfinder/10.1038/463424a	Behavioral Ecology	Brood Parasitism	
F 4/18	No Class	No Class		Easter Break
M 4/21	No Class	No Class		Easter Break

W 4/23	Chap 25, 26, 27	Conservation Ecology	For lab read: R. Winfree 1999 Optional video: http://www.pbs.org/wgbh/nova/nature/gangster-birds.html	
F 4/25	Chap 25, 26, 27	Conservation Ecology		
M 4/28	Paper #1 http://www.researchgate.net/publication/225038193_Hard_choices_Making_trade-offs_between_biodiversity_conservation_and_human_well-being Paper #2 (two short papers again, review one but read both) Re-wilding North America and Pleistocene Rewilding, Fankenstein Ecosystems, and an Alternative Conservation Agenda Paper #3 https://www.dropbox.com/s/krk0880takvou5i/Goddard%20et%20al%202010%20Scaling%20up%20from%20gardens%20biodiversity%20conservation%20in%20urban%20environments.pdf	Ecology & Society		Class Ends

Final				
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