PLANT GEOGRAPHY
Reading List – 2021
Electronic Reserves at CANVAS

Week	Topic	Reading
Week 1	Introduction	**Optional Reading *E. Reserve*. *T*ext**. Chpt. 17: The Frontiers of Biogeography [pp. 761-764]; ***E. Reserve.****Text*. Chpt. 1: The Science of Biogeography [pp. 3-14]
	Climate and Plant Vegetation	***E. Reserve.****Text*. Chpt. 3: The Physical Template [pp. 47-68]
Week 2	Biomes (general)	***E. Reserve.****Text*. Chpt. 5: Distributions of Communities [pp. 136-150]
	Tropical Rainforests	**[optional *E. Reserve.* Archibold pp. 15-33]**
Week 3	Tropical Seasonal Vegetation	**[optional *E. Reserve.* Archibold pp. 60-81]**
	Desert Vegetation	**[optional *E. Reserve.* Archibold pp. 95-115]**
Week 4	Mediterranean, Temperate Forests	**[optional *E. Reserve.* Archibold pp. 131-145; 165-181]**
	Taiga, Tundra, Alpine,	**[optional *E. Reserve.* Archibold pp. 238-255; 280-300; 204-220]**
	Grasslands	
Week 5	Distributions & Floristics	***E. Reserve.*** *Text.* Chpt. 10: Geography of Diversification [pp. 361-381, 396-413]
Week 6	Evolution	*Text*. Chpt. 7: Speciation and Extinction [pp. 207-258], Chpt. 10: The Geography of Diversification [pp. 413-421]
	Species Variation & Speciation	
Week 7	Historical Biogeography	*Text*. Chpt. 8: The Changing Earth [pp. 259-312]; ***E. Reserve.*** *Text*. Chpt. 2: The History of Biogeography [pp. 15-34]
	Organismal History	*Text*. Chpt. 11: Reconstructing the History of Lineages [pp. 423-436, 453-456], Chpt. 12: Reconstructing the History of Biotas [pp. 457-490, 498-505]
Week 8	Relationships of Floras	***E. Reserve.*** Sanmartin, I. and F. Ronquist. 2004. Southern hemisphere biogeography inferred by event-based models: plant versus animal patterns. Syst. Biol. 53: 216-243. **Optional Reading *E. Reserve*.** Donoghue, M. J. and S. A. Smith. 2004. Patterns in the assembly of temperate forests around the Northern Hemisphere. Phil. Trans. R. Soc. Lond. B 359
Week 9	Phylogeography and PhyloEcoGeography	*Text*. Chpt. 11: Reconstructing the History of Lineages [pp. 436-441], Chpt. 12: Reconstructing the History of Biotas [pp. 490-498]; ***E. Reserve***. Donoghue, M. J. and E. J. Edwards. 2014. Biome shifts and niche evolution in plants. Ann. Rev. Ecol. Syst. 45: 547-555 (only).

Week 10	Island Biogeography	*Text*. Chpt. 13: Island Biogeography [pp. 509-557]
Week 11	Island Biology	*Text*. Chpt. 6: Dispersal and Immigration [pp. 167-206], Chpt. 7: Speciation and Extinction [pp. 237-242]; Chpt. 14: Island Biogeography [pp. 559-619]; ***E. Reserve***. Gillespie, R. G. et al. 2012. Long-distance dispersal: a framework for hypothesis testing. Trends Ecol. Evol. 27: 47-56. **Optional Reading *E. Reserve***. Nathan, R. 2006. Long-distance dispersal of plants. Science 313: 786-788.
	Hawaiian Biogeography	*Text.* Chpt. 11: Reconstructing the History of Lineages [pp. 478-483]; ***E. Reserve*****.** Givnish, T. et al. 2009. Origin, adaptive radiation and diversification of the Hawaiian lobeliads. Proc. Royal Society B 276: 407-416
Week 12	Tepui/Afro-alpine Biogeography	***E. Reserve.*** Madrinan, S. et al. 2013. Páramo is the world's fastest evolving and coolest biodiversity hotspot. Frontiers Genetics 4 (192): 1-7; **Optional Reading *E. Reserve*****.** Knox, E. B. and J. D. Palmer. 1995. Chloroplast DNA variation and the recent radiation of the giant senecios (Asteraceae) on the tall mountains of eastern Africa. PNAS 92: 10349-10353.
	Biogeography of Ancient Floras	*Text*. Chpt. 11: Reconstructing the History of Lineages [pp. 441-453]
Week 13	North American Flora	**Optional Reading *E. Reserve*****.** Graham, A. 1993. History of the vegetation: Cretaceous (Maastrichtian) - Tertiary. Pp. 57-70 *in* Flora of North America, North of Mexico.
Week 14	Pleistocene Biogeography	*Text*. Chpt. 9: Glaciation and Biogeographic Dynamics of the Pleistocene [pp. 313-357]; ***E. Reserve.*** Gavin, D. G. et al. 2014. Climate refugia: joint inference from fossil records, species distribution models and phylogeography. New Phytol. 204: 37-54.
	Weeds, Extinction, and Conservation Biogeography	***E. Reserve.*** Ellwood, E. R. et al. 2013. Record-breaking early flowering in the eastern United States. PLoS ONE 8(1): e53788. ***E. Reserve.*** Quammen, D. Planet of Weeds. *Text*. Chpt. 7: Speciation and Extinction [pp. 242-249], Chpt. 16: Conservation Biogeography and the Dynamic Geography of Humanity [pp. 697-759]