

DRAFT OUTLINE FOR BIOL 645, BIODIVERSITY SCIENCE INTENSIVE SCHOOL (29 October – 9 November, 2012)

CO-ORDINATORS: Jonathan Davies & Mark Vellend

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Oct 28	Oct 29	Oct 30	Oct 31	Nov 1	Nov 2	Nov 3
	<p><b>a.m.:</b> Travel to Mont St-Hilaire</p> <p><b>Welcome</b> (Vellend &amp; Davies)</p>	<p><b>Biodiversity change over time:</b> Lessons from paleo and historical ecology (<u>Mark Vellend</u>)</p>	<p><b>Genetic and genomic biodiversity:</b></p> <p><b>a.m.:</b> Tools of the trade; the many and various applications (<u>Sébastien Rioux-Paquette</u>) [confirmed MV]</p>	<p><b>Community Phylogenetics</b> (<u>Steve Kembel</u>) [tentative confirmation]</p>	<p><b>Spatial dynamics of species interactions:</b> How species interact; network theory and analysis (<u>Fred Guichard</u>) [confirmed]</p>	<p><b>a.m.: Multiple dimension of diversity</b> – multi tables – 4<sup>th</sup> corner* (<u>Pierre Legendre</u>) [confirmed]</p>
	<p><b>p.m.: Key Note</b> Graham Bell [1.30-230] [confirmed]</p> <p><b>Introduction to Gault</b> (<u>Gregor Fussman - confirmed</u>), and walk in the woods. [3.30-430]</p>		<p><b>p.m.: DNA barcoding</b> (<u>Alexander Smith</u>) [confirmed]</p>		<p><b>p.m.: Optimizing resource allocation for species conservation:</b> Conservation of bird species in the Columbian Plateau: an introduction to decision theory using dynamic programming (<u>Corey Chivers</u>) [confirmed]</p>	
	<p><b>Evening: Aims and overview of course</b> (<u>Mark Vellend</u>)</p>	<p><b>Evening: Incorporation of biodiversity into forest management</b> (<u>Christian Messier</u>) [confirmed MV]</p>				

Nov 4	Nov 5	Nov 6	Nov 7	Nov 8	Nov 9	Nov 10
<b>DAY OFF</b>	<b>a.m.: Extinction and rarity:</b> Causes of extinction and rarity; trait and phylogenetic correlates across species ( <u>Jonathan Davies</u> )	<b>Invasions and biodiversity</b> ( <u>Tony Ricciardi /Brian Leung</u> ) [TBC]	<b>a.m.: Biodiversity and Ecosystem Function</b> ( <u>Andy Gonzalez</u> )	<b>a.m.: Conservation Economics</b> ( <u>Jean-Pierre Revéret</u> ) [confirmed]	<b>Project presentations and wrap-up</b>  <b>Closing remarks</b> ( <u>Andy Gonzalez</u> )	
	<b>p.m.: Independent projects.</b>	<b>pm.</b> <u>Greg. Mikkelson</u> [confirmed MV]	<b>p.m.: Independent projects.</b>	<b>p.m.: Conservation Economics: workshop</b> (Jerome Dupras) [confirmed]	<b>p.m. Return to Montreal</b>	
		<b>Evening:</b> International environmental law ( <u>Jaye Ellis</u> ) [confirmed]	<b>Evening:</b> Indigenous food systems and local biodiversity monitoring in Canada's North ( <u>Murray Humphries</u> ) [TBC]			