

<b>Date</b>	<b>Topic</b>	<b>Specific</b>	<b>Readings (recommended citations)</b>
3-Sep	Introduction	What is community ecology?	Keshav 2007
8-Sep	Fundamental concepts	Is community ecology useful?	Lawton 1999, Simberloff 2004
10-Sep		Niche concepts in community ecology	Chase and Liebold 2003, Soberon 2007
15-Sep	Spp interactions: negative	Species Interactions: Predation	Roth et al. 2007
17-Sep		Species interX: Competition & Predation	Chesson and Kuang 2008
22-Sep	Spp interactions: positive	Species Interactions: Facilitation	Cardinale et al 2002
24-Sep		Species Interactions: Mutualism	Pringle 2014
29-Sep	Food webs and networks	Trophic Cascades	Kauffman et al. 2010
1-Oct		Networks	Young et al. 2013, Baiser et al. 2012
6-Oct	Scale in community ecology	Scale in community ecology: Spatial	Liebold et al. 2004, Ricklefs 2008
8-Oct		Scale in community ecology: Temporal	Rull 2012, Jackson and Blois in review
13-Oct	Macroscale diversity	LDG, diversity metrics	Buckley et al. 2010
15-Oct		Diversity through time	Carrasco et al. 2009 (van Dam et al. 2006)
20-Oct	Community Assembly	Assembly rules- History and controversy	Diamond 1975 (pages 342-349,385-400), Connor & Simberloff 1979
22-Oct		Neutral processes	Chase and Myers 2011
27-Oct	Community Assembly	Species pools	Lessard et al. 2012, Proc B
29-Oct		Environmental filtering	Chase 2007
3-Nov	Community Assembly	Trait-based & Phylogenetic filtering: intro	Cavendar-Bares et al. 2009 (McGill et al. 2006)
5-Nov		Trait-based & Phylogenetic filtering: example	Kraft and Ackerley 2010
10-Nov	Unifying theory	Unifying theor(ies) of community ecology	McGill et al. 2006 (Hubbell 1997, Rosindell et al. 2011)
12-Nov		New attempts at unifying theory	Vellend 2010
17-Nov	Novel ecosystems	No-analog paleocommunities	Gill et al. 2009 (Williams & Jackson 2007, Gill 2014)
19-Nov		Novel future communities	Lindenmeyer et al. 2008 (Lugo et al. 2012, Ordonez et al. 2014)
24-Nov	Community Ecology in a Changing Environment	Climate-community interactions	Feeley et al. 2011
26-Nov		Climate-community interactions	Post 2013
1-Dec	Community Ecology in a Changing Environment	Critical transitions and state shifts	Lever et al. 2014
3-Dec		Critical transitions and state shifts	Barnosky et al. 2012
8-Dec	Final presentations	Presentations: 6 students each day	
10-Dec			
17-Dec		Final papers due by 6pm	