

Date	Week	Topic	Book chapter or reading (three questions due then)	Due dates
Th, 1/10	1	Introduction to class	Hannah Ch 1	
Tues, 1/15	2	Peer review and the scientific process	en.wikipedia.org/wiki/Peer_review	
Th, 1/17		Review of climate change science	Hannah Ch 2; USGCRP 2009, chapters on Global and National Climate Change	
Tues, 1/22	3	Review of climate change science cont.		
Th, 1/24		Review of climate change science: dangerous levels	Hansen's PNAS submission	HW 1 due
Tues, 1/29	4	Mechanisms of influence: basic ecology	MacDonald section	
Th, 1/31		Mechanisms of influence: basic ecology cont.		
Tues, 2/5	5	Class canceled; recorded lecture (see web site): Species range shifts	Hannah Ch 3 (questions due 2/7)	
Th, 2/7		In-class reading		HW 2 due
Tues, 2/12	6	Guest lecture		
Th, 2/14		Class canceled; attend an event (see web site)		
Tues, 2/19	7	Phenology	Hannah Ch 4	
Th, 2/21		Phenology cont.		project topic due
Tues, 2/26	8	Ecosystem/habitat change	Hannah Ch 5	
Th, 2/28		Ecosystem/habitat change cont.		HW 3 due
Tues, 3/5	9	Ecosystem/habitat change cont.		
Th, 3/7		Midterm		
Tues, 3/12	10	Spring break		
Th, 3/14		Spring break		
Tues, 3/19	11	Ecosystem/habitat change cont.		
Th, 3/21		Ecosystem/habitat change cont.		
Tues, 3/26	12	In-class exercise		project annotated bibliography due
Th, 3/28		Methods for predicting future impacts	Hannah Ch 10-12	
Tues, 4/2	13	Methods for predicting future impacts cont.		
Th, 4/4		In-class exercise	Somerville and Hassol, "Communicating the Science of Climate Change," <i>Physics Today</i> , 2012	HW 4 due
Tues, 4/9	14	Feedbacks to climate change: global C cycle	Executive summary of SOCCR (questions due 4/16)	
Th, 4/11		Feedbacks to climate change: global C cycle cont.	Executive summary of SOCCR (questions due 4/16)	
Tues, 4/16	15	Feedbacks to climate change: global C cycle cont.	Executive summary of SOCCR (questions due 4/16)	
Th, 4/18		Feedbacks to climate change: global C cycle cont.		HW 5 due
Tues, 4/23	16	Feedbacks to climate change: other effects		
Th, 4/25		Adaptation and mitigation		
Tues, 4/30	17	Student presentations		
Th, 5/2		Student presentations		paper due
Tues, 5/7	18	Final: Monday, May 6, 7:30-9:30 am		