

Geography 331 Schedule, Fall 2003

	Date	#	Topic	Readings
WEEK 0	9/2	1	Introduction	
WEEK 1	9/7	2	The Earth System	ECPAF CH 1, 2
	9/9	3	The Earth System	ECPAF CH 1, 2
WEEK 2	9/14	4	Types of Archives	ECPAF Ch 3
	9/16	5	Dating - Radiometric	ECPAF Ch 3
WEEK 3	9/21	6	Dating - Other	ECPAF Ch 3
	9/23	7	Geochemical Climatic Data	ECPAF Ch 3
WEEK 4	9/28	8	Biological Climatic Data	ECPAF CH 3
	9/30	9	General Circulation Models	ECPAF CH 3
WEEK 5	10/5	10	Exam I	ECPAF CH 8
	10/7	11	Astronomical Controls on Climate	ECPAF CH 8
WEEK 6	10/12	12	Detecting Astronomical Controls in Climate Records	
	10/14	13	Insolation Control of Ice Sheets & Monsoons	ECPAF CH 9, 10
WEEK 7	10/19	14	CO ₂ , CH ₄ and the Glacial-Interglacial Carbon Cycle	ECPAF CH 11
	10/21	15	Orbital-Scale Interactions in the Climate System	ECPAF CH 12, Outlines Due
WEEK 8	10/26	16	The Last Glacial Maximum	ECPAF CH 12
	10/28	17	Millennial Oscillations	ECPAF CH 15
WEEK 9	11/2	18	Deglaciation & The Younger Dryas	ECPAF CH 14
	11/4	19	The Holocene (variability, veg feedbacks)	
WEEK 10	11/9	20	Exam II	
	11/11	21	Historical Climate Change: Proxies	ECPAF CH 16
WEEK 11	11/16	22	Historical Climate Change: Natural Variability	ECPAF CH 16
	11/18	23	Welcome to the Anthropocene	ECPAF CH 17
WEEK 12	11/23	24	Detecting Human-Induced Global Warming	TBA
	11/25	25	<i>Thanksgiving</i>	
WEEK 13	11/30	26	Modeling Future and Past Climates	TBA
	12/2	27	Ecological Responses to Climate Change	TBA, Papers Due
WEEK 14	12/7	28	ENSO Variability Through Time	TBA
	12/9	29	Midwestern Droughts	TBA
WEEK 15	12/14	30	Exam III	