

# BIO 346 Human Biology (K. Kalthoff)

## Syllabus Spring 2011

DATES	TOPICS	ASSIGNED READINGS*
18 Jan	<b>Part I:</b> The Science and Politics of Human Biology [1]	
20	<b>Part II:</b> Who is Who Among the Primates? [2]	<a href="#">De Waal (1995)</a>
25	Humans Evolved in Response to a Challenge [3]	<a href="#">Enard et al. (2002)</a>
27	Milestones of Hominin Evolution [4]	<a href="#">Stix (2008)</a>
01Feb	Habitual Bipedalism and Hand Precision Grip [5]	<a href="#">Lovejoy (1988)</a>
03	Tool Making [6]	<a href="#">Toth (1985)</a>
08	Language and Brain Evolution [7]	<a href="#">Evans et al. (2004)</a>
10	Germs, Colonialism, and Darwinian Medicine [8]	<a href="#">Levy (1998)</a>
15	<b>Part III:</b> The Human Genome Project [9]	<a href="#">van 't Veer et al. (2002)</a>
17	<b>First Midterm Exam</b>	
22	Stem Cells and Cloning [10]	<a href="#">Hochedlinger (2010)</a>
24	Gene Therapy [11]	<a href="#">Tsien (2000)</a>
01Mar	Aging and Senescence [12]	<a href="#">Flores et al. (2005)</a>
03	Nature and Nurture [13]	<a href="#">Lim et al. (2004)</a>
08	Twin Studies and Heritability Estimates [14]	<a href="#">Bouchard et al. (1990)</a>
10	Human Behavioral Genetics [15]	<a href="#">Ebstein et al. (1996)</a>
14-19	<i>Spring Break</i>	
22	<b>Part IV:</b> Development of Reproductive Organs [16]	<a href="#">Koopman et al. (1991)</a>
24	Hormonal Control of Brain Development [17]	<a href="#">Kimura (1992)</a>
29	Introduction to Sociobiology [18]	<a href="#">Neff (2003)</a>
31	<b>Second Midterm Exam</b>	
05 Apr	Sociobiology of Human Behavior [19]	<a href="#">Gangestad and Thornhill (1998)</a>
07	Sex and Gender [20]	<a href="#">Bradley et al. (2000)</a>
12	Aggression, Cooperation, and Kindness [21]	<a href="#">Brosnan and de Waal (2003)</a>
14	<b>Part V:</b> Human Population Growth [22]	<a href="#">Potts (2000)</a>
19	Earth's Carrying Capacity [23]	<a href="#">Wackernagel et al. (2002)</a>
21	Environmental Degradation [24]	<a href="#">Parmesan (1996)</a>
26	Endocrine-Disrupting Chemicals [25]	<a href="#">Hayes et al. (2002)</a>
28	Energy Production and Conservation [26]	<a href="#">Socolow and Pacala (2006)</a>

03 <b>May</b>	Species Extinction and Synopsis [27]	<a href="#">Balmford et al. (2002)</a>
05	Review Session, Course Evaluation	
<b>14</b>	<b><i>Final Exam (Sat 7-10 pm)</i></b>	

\* Use links to pdf files. These are strictly for your personal use in this class.

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