

# The Evolutionary Biology of Sex

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Fall 2008



Wk	Day	Date	Topic	Topic	Reading (completed by date)	Activity	Work due	
1	Mon	29 Sep	Sex and evolution - what's the problem?	What is sex?	<b>Williams</b> - Sex and Evolution: An important question, its easy answer, and the consequent paradox. <b>Judson</b> - A sketch of the battlefield.	introductions, program information, lecture, workshop		
	Wed	1 Oct		Evolution by natural selection		lecture, seminar, workshop		
	Sat	4 Oct		Variation and its measurement		lecture, seminar, workshop, <b>library time</b>		
2	Mon	6 Oct	Variation - where it comes from, and its role in	genetics concepts	<b>Ridley</b> - Genome: Introduction	lecture, seminar, workshop		
	Wed	8 Oct		Mendelian genetics	http://anthro.palomar.edu/mendel/	lecture, seminar, workshop		
3	Mon	13 Oct	Costs of reproduction	energy, time, and risk	<b>Judson</b> - The expense is damnable.	lecture, seminar, workshop		
	Wed	15 Oct		material	<b>Judson</b> - How to make love to a cannibal.	lecture, seminar, workshop		
	Sat	18 Oct		statistics	<b>Judson</b> - Swords or pistols	Peter Donnelly on how statistics fool juries, lecture, seminar, workshop, library time		
4	Mon	20 Oct	Mating systems	introduction, dioecy & unisexuality, sex determination	<b>Judson</b> - Till death do us part, & The fornication of kings	lecture, seminar, workshop		
	Wed	22 Oct		hermaphrodites, parthenogenesis, and sex change	<b>Judson</b> - Wholly virgin, & The fruits of knowledge	lecture, seminar, workshop		reading journal - 1st submission due
5	Mon	27 Oct			<b>Judson</b> - Crimes of passion	lecture, seminar, workshop	<b>research paper - 1st submission due</b>	
	Wed	29 Oct			<b>Judson</b> - Hell hath no fury	lecture, seminar, workshop		
	Sat	1 Nov				lecture, seminar, workshop		
6	Mon	3 Nov	Flowering plants	modes of pollination		lecture, seminar, workshop	<b>research paper - peer review due</b>	
	Wed	5 Nov		inbreeding & outcrossing		lecture, seminar, workshop		
7	Mon	10 Nov	Displays and signals	visual displays in animals	<b>Judson</b> - How to win even if you're a loser.	lecture, seminar, workshop		
	Wed	12 Nov		songs, calls, and choruses	<b>Ryan, Tuttle, and Rand</b> - Bat predation and sexual advertisement.	lecture, seminar, workshop		
	Sat	15 Nov			<b>Judson</b> - Aphrodisiacs, love potions, and other recipes from Cupid's kitchen	lecture, seminar, workshop, library time		
8	Mon	17 Nov	Life history theory	semelparity & iteroparity / polycarpy & monocarpy		lecture, seminar, workshop		
	Wed	19 Nov		dormancy and dispersal		<b>EXAM</b> , lecture, seminar, workshop		
Thanksgiving break week 24 - 30 November								
9	Mon	1 Dec	Sex, genetics, and conservation	quantity or quality - demography vs. genetics		lecture, seminar, workshop		
	Wed	3 Dec		sex and environmental change		lecture, seminar, workshop		reading journal - 2nd submission due
	Sat	6 Dec				<b>poster session</b>		<b>research paper - 2nd submission due</b>
10	Mon	8 Dec	Sexual dimorphism in humans	comparative morphology and behavior of the apes	<b>Diamond</b> chapters from <i>The Third Chimpanzee</i> . <b>Ridley</b> chapter 15 from <i>Genome</i>	lecture, seminar, workshop		
	Wed	10 Dec		overview and summary		<b>potluck</b>		draft self eval, final peer evals
11	Mon	15 Dec	Evaluation week 15 - 19 December					