

**Bio 3501, Evolution, Fall 2009 lectures**

**This syllabus is subject to change! For the latest on assigned readings and other course materials, go to the Course Materials link:**

<http://www.nslc.wustl.edu/courses/Bio3501/3501cm.html>

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<b>Date</b>	<b>Lecture Topic</b>	<b>Readings (in Futuyma)</b>
<u>August</u>		
W 26	Evidence for evolution	609 - top of 629
M 31	Historical context, Darwin	1-15
<u>September</u>		
W 2	Microevolution introduction	187 to top of 200; 206- top of 207; 215 - middle of 225
M 7	<b>Labor Day — no class</b>	
W 9	Natural Selection I	303 to 325 (top)
M 14	Natural Selection II	
W 16	Genetic drift	255-266
M 21	Population structure, Gene flow	272-275
W 23	Inbreeding	225 to 227 (top); 395 to 397 (top)
M 28	Modern Synthesis	—
W 30	<b>Exam I</b>	
<u>October</u>		
M 5	Sexual selection	397-409
W 7	Conflict and cooperation	413-430
M 12	Phylogenetics, classification	17-42
W 14	Phylogeny reconstruction	“
M 19	Molecular Evolution	266-271; 325-333
W 21	Molecular Evolution	
M 26	Evolution and Human Health	
W 28 <b>First paper due</b>	Evolution and Human Health	
<u>November</u>		
M 2	<b>Exam II</b>	
W 4	Species concepts	445-468
M 9	Speciation	471-497
W 11	Adaptation	279-282
M 16	Adaptation	294-300
W 18	Evolution and Development	553-582
M 23	Macroevolution	585-605
W 25	<b>Thanksgiving Break — no class</b>	
M 30	Coevolution	499-520
<u>December</u>		
W 2 <b>2<sup>nd</sup> paper due</b>	Biogeography	133-157
M 7	<b>Exam III</b>	

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