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BIOL 595.02: Evolutionary Biology

Kenneth P. Dial

University of Montana - Missoula, kdial@mso.umt.edu

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SYLLABUS
EVOLUTIONARY BIOLOGY
BIOLOGY 595
SPRING 2003

Ken Dial
HS 208
#-6631, -6875

January	
27	Organizational meeting, readings chapters 1-4 Futuyma
February	
3	Overview, Evol. Biol. Primer
5	Discussion: major questions to be solved in biology
10	History of evolutionary theory, Review of major events in geologic time
12	Discussion: questions from chapter 7
17	Holiday (President's Day)
24	Guest lecture: Prof. Erick Greene, Development and Evolution
26	Hox genes, developmental biology, questions from chap. 23
March	
3	Phylogenetics and Intro. to the Comparative Method, chapter 5
5	Workshop on computer programs in phylogenetics (HS 114)
10	no class (Grant Writing Seminar)
12	Preparation for Dr. Padian, discussion of papers and website
14	Guest lecture: Prof. Kevin Padian, phylogenetics in the evolution of flight, teaching evolution in our schools
17	Comparative method, Adaptation (chapter
19	Discussion
24	Spring Break
26	
31	Discussions in Microevolution (prep. for Prof. Allendorf)
April	
2	
7	Guest Lecture: Prof. Fred Allendorf, Microevolution, Pop Genetics
9	Discussion: molecular genetics

8-18 th	Guest Lecturer (Dial out of town) Life history theory
21	Social Theory and Natural Selection (Triver's book)
23	Discussion
May	
5	Dial out of town
12	Final exam