

Date	Meeting no.	Topic	text Chapter
INTRODUCTION			
August	22	M 1	Introduction, Course Overview & Student Survey
	24	W 2	Natural History of the HIV/AIDS Epidemic EA1
	29	M 3	The Evidence for Evolution EA2
	31	W 4	More Evidence for Evolution EA2
September	5	M	LABOR DAY HOLIDAY
	7	W 5	Darwinian Natural Selection I EA3
	12	M 6	Darwinian Natural Selection II EA3
	14	W 7	EXAM 1 (EA1 - EA3)
MECHANISMS OF EVOLUTIONARY CHANGE			
	19	M 8	Mutation and Genetic Variation EA4
	21	W 9	Mendelian Genetics in Populations I – Selection EA5
	26	M 10	Mendelian Genetics in Populations II – Mutation EA5
	28	W 11	Mendelian Genetics in Populations III – Migration EA6
October	3	M 12	Mendelian Genetics in Populations IV – Genetic Drift EA6
	5	W 13	Mendelian Genetics in Populations V – NRM EA6
	10	M 14	Evolution at Multiple Loci – Linkage EA7
	12	W 15	EXAM 2 (EA4 – EA7)
ADAPTATION			
	17	M 16	Studying Adaptation EA9
	19	W 17	Sexual Selection EA10
	24	M 18	Kin Selection and Social Behavior - Altruism EA11
	26	W 19	Evolutionary Theories of Aging EA12
	31	M 20	Evolution and Human Health EA13
November	2	W 21	EXAM 3 (EA9 - EA13)
THE HISTORY OF LIFE			
	7	M 22	Reconstructing Evolutionary Trees EA14
	9	W 23	Molecular Phylogenetics I FME5
	14	M 24	Molecular Phylogenetics II FME5
	16	W 25	The Origins of Life and Precambrian Evolution EA16
	21	M 26	The RNA World Hypothesis EA16
	23	W 27	The Phylogeny of all Living Things EA16
	28	M 28	The Phylogeny of Human Populations EA19
December	5	M 29	2:00 - EXAM 4 (EA14, EA16, EA19, FME5)

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Office Hours: Immediately after class, by appointment,
or just drop by without an appointment.

Textbook:

Evolutionary Analysis by Scott Freeman and Jon Herron, Third Edition (2004). Prentice Hall

Grading:

Final course grade will primarily be the average of the four exam grades. However, additional points may be obtained through graded homework, and quizzes. Also, attendance and class participation will be taken into consideration in assigning the course letter grade. Exams will be generally non-cumulative in detail, but you will be expected to retain some basic general concepts in subsequent exams.

Attendance:

Attendance is strongly encouraged. Attendance and class participation is part of your responsibility as a student in this class. It will affect your grade in the course and your involvement in the course material. Additionally, it will help you prepare for the exams by giving you an idea of what will be emphasized in the exams. The text and lectures will supplement one another. I will cover some material not covered (or not covered in depth) in the texts, and conversely, I will not discuss some material covered in the reading assignments.