BIOLOGY 355 – EVOLUTION

A01 (10371) Fall 2016

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Lectures: ECS 116

Monday & Thursday, 8:30-9:50 am

LECTURE SCHEDULE

<u>Date</u>		<u>Lecture</u> <u>Topic</u>	Chapter in Text
Sept 8	1	The origins of evolutionary thinking	1
Sept 12	2	History of life and the fossil record	4,5
Sept 15	3	Evolutionary trees: phylogenetic analysis	2
Sept 19	4	The origins of genetic variation	8,9
Sept 22	5	Genetic drift and gene flow	10
Sept 26	6	Natural selection I	11,12
Sept 29	7	Natural selection II	11,12
Oct 3	8	Population genetics exercise (& class discussion)	
Oct 6		MIDTERM EXAM I	
Oct 10		THANKSGIVING	
Oct 13	9	Quantitative traits and phenotypic evolution	13
Oct 17	10	Evolution of sexual reproduction	15
Oct 20	11	Sex ratios, sexual selection	15
Oct 24	12	Species and hybridization	17
Oct 27	13	Speciation	18
Oct 31	14	Life history evolution	14
Nov 3	15	Evolution of social behaviour	16
Nov 7		MIDTERM EXAM II	
Nov 10		READING BREAK	
Nov 14	16	Coevolution	19
Nov 17	17	Molecular evolution I	20
Nov 21	18	Molecular evolution II	20
Nov 24	19	Evolution and development I	21
Nov 28	20	Evolution and development II	21
Dec 1	21	Macroevolution	3,6,22

<u>Text</u>: Futuyma, Douglas J. 2013. Evolution, 3rd ed. Sinauer Associates, Inc.

Course website: on CourseSpaces

GRADING FOR THIS COURSE:

Midterm exam I (October 6)	20%
Written assignment – critique (due October24)	20%
Midterm exam II (November 7)	20%
Final exam (December exam period)	40%

Assignment of letter grades (see UVic Undergraduate Calendar):

A+ (90.0-100.0%), A (85.0-89.9%), A- (80.0-84.9%), B+ (77.0-79.9%), B (73.0-76.9%), B- (70.0-72.9%), C+ (65.0-69.9%), C (60.0-64.9%), D (50.0-59.9%), F (0-49.9%), N (failure to complete one or more of the following: research report, mid-term exam, final exam).

Preventing plagiarism and cheating – Please read UVic's policy on academic integrity: http://web.uvic.ca/calendar2013/FACS/UnIn/UARe/PoAcI.html

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