



GENERAL BIOLOGY 1012
PROPOSED SYLLABUS¹
 FALL 2011



Lecture Section 1, 9:30-10:45 a.m., MW, Ref. No. 10179		Room S104 Stadler Hall Auditorium		
Discussion Sessions, Sections 1-5 - Varied		Administration, Room R238 Research Building		
Supplemental Instruction Sessions - S244 Stadler or R227 Research Building				
Meeting ² Number	Date	Lecture Topic	Presenter	Reading Assignment
1	Aug. 22, Mon.	Orientation Course Requirements Grading, Pretests. Introduction to Biology. Biology - What Is It?	Granger	BIOTIPS ³ Unit 1
2	24, Wed.	Life - The Definition of a Problem.		Text ⁴ Ch. 1 pp. 3
	28, Sun.	(LAST DAY STUDENT MAY ENTER COURSE FOR CREDIT)		Text Ch. 3 pp. 76-84
3	29, Mon.	The Nature of Science and the Scientist. Bio-Problem Solving for Fun and Profit.		BIOTIPS Unit 2 Text Ch. 1 pp. 1-33
4	31, Wed.	Applying the Scientific Method.		Text Ch. 26, pp. 504-511, pp. 374-379
	Sept. 5, Mon.	Labor Day Holiday		R&R
5	7, Wed.	The Structural and Functional Basis of Life. Cells and Cancer.		BIOTIPS Unit 3 Text Ch. 3 Ch. 6 to p. 225
6	12, Mon.	Evolution Opinion Survey. Origin of Life.		BIOTIPS Unit 4 Text Ch. 10
7	14, Wed.	The Process of Evolution. Natural Selection.		BIOTIPS Unit 5 Text Ch. 8
8	19, Mon.	The Diversity of Life. First Readings Report Due		1st RAPS Report Due (See MyGateway)
	19, Mon.	(LAST DAY STUDENTS MAY PLACE COURSE ON SAT./UNSAT. OR DROP WITHOUT A GRADE)		

¹All assignments, topics, evaluations, class activities and dates are subject to change at the discretion of the instructor. See end of syllabus for readings referred to by superscript footnotes.

²University policy is that attendance is required at all class meetings.

³BIOTIPS can be purchased at University Bookstore.

⁴Text listings refer to the textbook, *What is Life? A Guide to Biology*, by Jay Phelan, 2011. W.H. Freeman and Company.

Meeting Number	Date	Lecture Topic	Presenter	Reading Assignment
9	Sept. 21, Wed.	An Evolution Overview.		Review
	21, Wed.	Review Session (Optional) 2:30-5:00 p.m. (Room S104 Stadler Hall)		Review: "Sample Examination and Testing Procedures" ³
	22, Thu.	Review Session (Optional) 2:30-5:00 p.m. (Room B102 Benton Hall)		Review
	22, Thu.	BIOPHONE HOTLINE 6:30-9:30 p.m. Tel. 516-6220		Review
10	26, Mon.	<u>FIRST EXAMINATION</u> "Definition of Life and the Scientific Enterprise" Section 1, <u>9:15 a.m.</u> Room S104 Stadler		Review
11	28, Wed.	Ecology.	Granger	BIOTIPS Unit 6 Text Ch. 14
12	Oct. 3, Mon.	Aspects of Ecosystems. Recycling in Nature.		Text Ch. 14
13	5, Wed.	Communities and Populations. Growth vs. Balance.		Text Ch. 15
14	10, Mon.	Resources and Pollution. Energy and Resource Limitations.		Text Ch. 16
15	12, Wed.	Basic Genetic Principles. Heredity.		BIOTIPS Unit 7 Text Ch. 6; pp. 225-247
	12, Wed.	Mini-Papers Due (J-M)⁶		Last Names J through M Paper Due
16	17, Mon.	Genetic Disorders. Second Readings Report Due (Mid-Semester)		Text Ch. 5 & 7 2nd RAPS Report Due
	17, Mon.	Review Session (Optional) 2:30-5:00 p.m. (Room S104 Stadler Hall)		Review "Sample Examination and Testing Procedures" ³
	18, Tue.	Review Session (Optional) 2:30-5:00 p.m. (Room S104 Stadler Hall)		Review
	18, Tue.	BIOPHONE HOTLINE 6:30-9:30 p.m. Tel. 516-6220		Review

Meeting Number	Date	Lecture Topic	Presenter	Reading Assignment
17	Oct. 19, Wed.	<u>SECOND EXAMINATION</u> "Evolution and Ecology" Section 1, <u>9:15 a.m.</u> Room S104 Stadler		Review
18	24, Mon.	Social Interaction Pattern Survey Reproduction ⁵	Granger	BIOTIPS Unit 8 Text p. 9
	24, Mon.	Mini-Papers Due (C-F)⁶		Last Names C through F Papers Due
19	26, Wed.	Human Reproduction ⁵		Text Ch. 25
20	31, Mon.	Birth Control ⁵ Sexually Transmitted Diseases ⁵	Nagel	BIOTIPS Unit 9 BIOTIPS Unit 10 Text pp. 937-940
	31, Mon.	Mini-Papers Due (S-T)⁵		Last Names S through T Papers Due
21	Nov. 2, Wed.	Development ⁴ Human Development ⁴	Granger	BIOTIPS Unit 11 Text Ch. 25 & pp. 941-955
	2, Wed.	Mini-Papers Due (G-I)⁶		Last Names G through I Papers Due
22	7, Mon.	Nervous System Control and Feedback Drugs	Granger	BIOTIPS Unit 12 & 13 Text Ch. 21 & 23 pp. 744-768
23	9, Wed.	Why Behave?	Granger	BIOTIPS Unit 14 Text Ch. 9
	9, Wed.	Mini-Papers Due (A-B)⁶		Last Names A through B Papers Due
	9, Wed.	Review Session (Optional) 2:30-5:00 p.m. (Room S104 Stadler Hall)		Review: "Sample Examination and Testing Procedures" ³
	10, Thur.	Review Session (Optional) 2:30-5:00 p.m. (Room B102 Benton Hall)		Review
	10, Thur.	BIOPHONE HOTLINE 6:30-9:30 p.m. Tel. 516-6220		Review
	14, Mon.	(LAST DAY A STUDENT MAY DROP A COURSE OR WITHDRAW FROM SCHOOL)		
24	14, Mon.	<u>THIRD EXAMINATION</u> "Genetics, Reproduction, and Development" Section 1, <u>9:15 a.m.</u> Room S104 Stadler		Review
25	16, Wed.	Science of Behavior. Basic Elements of Behavior.	Granger	Text Ch. 9

Meeting Number	Date	Lecture Topic	Presenter	Reading Assignment
	Nov. 16, Wed.	Mini-Papers Due (N-R)⁶ and (U-Z)⁶		Last Names N through R Papers Due Last Names U through Z Papers Due
	19-26	Thanksgiving Vacation		R&R
	21, Mon.			No class Thanksgiving Holiday
	23, Wed.			No class Thanksgiving Holiday
26	28, Mon.	Behavior Patterns and Communication. Nature vs. Nurture.		Text pp. 270, 723, 874, 891 & 906-907
27	30, Wed.	Primate Behavior. Applied Primate Behavior.		BIOTIPS Unit 14 Video Worksheet
28	Dec. 5, Mon.	Human Behavior.		Review Behavior
29	7, Wed.	Applying Behavior Patterns.		
	12, Mon.	Review Session (Optional) 8:00-10:00 a.m. (Room 119 Benton Hall)		Review: "Sample Examination and Testing Procedures" ³
	12, Mon.	BIOPHONE HOTLINE 6:00-9:30 p.m. Tel. 516-6220		Review
30	14, Wed.	<u>FOURTH EXAMINATION</u> "Nervous System and Behavior" Section 1, 7:45-9:45 a.m. Rm. S104 Stadler		Attendance Required

³Required Reading: *BIOTIPS*, by Charles R. Granger, 32nd Edition, University of Missouri-St. Louis, Department of Biology, 2011.

⁴Textbook: *What is Life? A Guide to Biology*, by Jay Phelan, 2011. W.H. Freeman and Company.

⁵Contains slides and film of detailed human female and male anatomy. Alternative informational sources are available.

⁶English Department Writing Lab: 409 S.S.B., 516-5950.

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Academic Dishonesty

In all cases of academic dishonesty, for example cheating, plagiarism, or sabotage, the instructor will issue a grade for the work involved. Since the grade is often a "zero", its assignment can result in a failing grade for the course. The complete Campus policy on academic dishonesty may be found under "Student Conduct Code" in the Student Planner or at http://www.umsl.edu/studentlife/dsa/student_planner/policies/conductcode.html.

**ATTENDANCE AT ALL CLASS MEETINGS IS REQUIRED BY THE UNIVERSITY
BEST WISHES AND HAVE A LEARNED SEMESTER**