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DATA
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See Ms. Davis for general information about Biology 1103
-enrollment, grade problems, final exam conflicts

COURSE OBJECTIVES: In this course, rather than just memorizing and accepting facts, you will learn to organize concepts and use them to develop a way of thinking about how we know what we know about the natural world. Using real-life scenarios, you will acquire problem-solving skills and appreciate the importance of Biology in your own life.

EXPECTED LEARNING OUTCOMES: A demonstrated understanding of how and why energy is transferred from the environment into and through living organisms, how genetic information is used in organisms, and the factors that affect evolution of organisms over time.

REQUIRED TEXT: The textbook for this course is Biology: A Guide to the Natural World, 3rd Edition; by David Krogh. It provides a crucial resource for understanding the concepts.

LECTURES Monday, Wednesday, and Friday Room 404E from 11:15-12:05, or 1:25-2:15 p.m. There is no mandatory attendance policy, but test questions are taken mostly from lecture material. **DAILY GROUP ACTIVITIES ARE PLANNED SO YOUR GROUP SCORE MAY SUFFER IF YOU MISS CLASS!** Show respect for your fellow students -arrive on time, avoid leaving early, quiet your cell phone and your non-biology discussions.

DISABILITIES: Accommodations can be made for students with disabilities. Please meet with me during office hours to discuss your learning needs.

WebCT: Syllabus, PowerPoints, review notes, bulletin board, and private mail will be available on WebCT: <http://webct.uga.edu>. Your user ID will be your UGmail account login name and password. (If you have no account see: <http://my.uga.edu/>)

MINITESTS: Rather than having just two large exams during the semester, I feel students learn better if they have more frequent tests on less material. It puts less pressure on each test, and keeps you from falling behind in your studying. So, I will be giving 6 small tests throughout the semester with 15 multiple-choice questions per test. Each question will be worth 2 points, for a total of 30 points per test. There will also be a cumulative midterm and final exam. In most cases test questions will come from the lecture on the topic, but in a few cases questions will come directly from the reading and may not have been covered in class. In testing, like life, anybody can have a bad day. In order to minimize the effect this may have on your grade, I am allowing each student to drop their lowest minitest score from their grade. **There are NO MAKEUPS. If you are sick and miss a test, this will serve as your lowest test grade for dropping.** You will, however, need to explain your absence to your team members, who will be assigning you a group contribution score. Test scores will be reported on Web-CT as soon as they are processed. Check them as soon as possible; you have one week following the exam to challenge the accuracy of your grade.

GROUP TESTS: You will be randomly assigned to a group of 6-7 students. For each of the six minitests given during the semester, you will be given an opportunity to take the same test a second time, this time with your group members and receive an additional grade. If you didn't understand a question on the exam, this is your opportunity to have it clarified and corrected for you by a member of your group. This instant feedback will not only improve your grade, but it will help you learn the material better. I have a folder for each of the groups. Each group will select a record keeper who will be responsible for keeping attendance and grades for the entire group. We will also be using clickers, which are delicate so your group will assume responsibility for replacing them if lost or broken.

Completing the individual minitests first insures everyone will come prepared to the best of their abilities, and any problem groups will be dealt with at midpoint. Each of you will also complete an end-of-semester peer evaluation where you anonymously rate the contributions from all the other members of your group. The average group points you receive will be multiplied by your group peer evaluation average to determine what percentage you receive.

If you fail to turn in your peer evaluations you will receive NONE of the group points. The instructor reserves the right to overrule the peer evaluation score.

COMPREHENSIVE MIDTERM AND FINAL EXAM

Midterm – Friday, October 6 Room 404E

Final – 10:10 section: Friday, December 8, 8:00 a.m. - 11:00 a.m. Room 404E

– 12:20 section: Wednesday, December 13, noon - 3:00 p.m. Room 404E

ONLINE QUIZZES: There will be 24 quizzes given throughout the semester on Web-CT. These quizzes will be assigned for you to complete during the week that lecture was given (some due pre-class, most due noon test days.) These quizzes have extra credit potential (20 possible points, but only 10 required). They are open book and open notes. If you miss the deadline for these quizzes, they will not be offered again, so the total possible points you can earn will be lower. **WARNING:** Your browser must accept pop-ups. Any problems –check your browser capability at <https://webct.uga.edu/hostsys/student> or contact EITS (542-3106)

ACADEMIC HONESTY: All academic work must meet the standards contained in “A Culture of Honesty.” Students are responsible for informing themselves about those standards before performing any academic work. <http://www.uga.edu/ovpi/honesty/acadhon.htm> Any person found using unauthorized assistance (including copying answers from another student during the individual minitests) will be immediately reported to the Office of the Vice President for Instruction. The minimum penalty for using unauthorized assistance is a failing grade, and the maximum penalty is suspension from the University.

<u>Possible Points for the Quarter</u>	<u>% of Total Points</u>
5/6 Minitests X 30 points = 150 points	A = 465-500 >93%
Online Quizzes = 10 points	A- = 450-464 >90%
Midterm = 90 points	B+ = 435-449 >87%
Final Exam = 160 points	B = 415-434 >83%
Group Minitests = <u>90 points X % peer score</u>	B- = 400-414 >80%
Total = 500 points	C+ = 385-399 >77%
	C = 365-384 >73%
	C- = 350-364 >70%

INCOMPLETE: The grade of incomplete is only given to students who for reason of illness or accident were unable to complete the course. Incompletes are not given to avoid a failing grade.

BIOSCIENCE LEARNING CENTER (BLC) Room 406. Computer lab with reserve textbooks, printers (\$0.05/page), and copiers \$0.10/page, Bulldawg Bucks only.

<u>DATE</u>	<u>DAY</u>	<u>LEC#</u>	<u>LECTURE TOPIC</u>	<u>TEXT READING</u>	<u>WEBCT QUIZZES</u>
8-16	WED		Administrative Introduction		
8-18	FRI	1	Global Cycling	Chapter 32, 710-715	
8-21	MON	2	Atoms and Molecules	Chapter 2, 18-33, and Chapter 3, 35-44	
8-22	WED	3	Energy and Food	Chapter 6, 118-123	
8-23	FRI	4	Macromolecules: Carbohydrates	Chapter 3, 45-49	
8-28	MON	5	finish Carbohydrates		
8-30	WED		<u>Minitest 1: Chemistry and Carbs</u>	Ch 2, 3, 6, & 32	Energy & Carbohydrates
9-1	FRI	6	Macromolecules; Lipids	Chapter 3, 49-55	
9-4	MON		Labor Day Holiday, no class		
9-6	WED	7	finish Lipids		
9-8	FRI	8	Membranes	Chapter 5, 98-115	
9-11	MON	9	Macromolecules; Proteins	Chapter 3, 56-65	
9-13	WED	10	Enzymes and ATP	Chapter 6 123-131	
9-15	FRI		<u>Minitest 2: Lipids, Proteins, Enzymes</u>	Chapter 4, 6	Lipids, Membranes, Proteins, Enzymes
9-18	MON	11	Harvesting Energy from Food	Chapter 7, 132-139	
9-20	WED	12	Harvesting Energy from Food	Chapter 7, 140-149	
9-22	FRI	13	Harvesting Energy from Food		
9-25	MON	14	Photosynthesis	Chapter 8	Pre-Class Environment Quiz
9-27	WED	15	finish photosynthesis		
9-29	FRI		<u>Minitest 3: Metabolism</u>	Chapters 7 & 8	Metabolism & Photosynthesis
10-2	MON	16	Courtroom DNA	Chapter 13, 250-255 & 15, 296-300	Pre-Class DNA Review
10-4	WED	17	Gene Expression I	Chapter 14, 262-272	
10-6	FRI		MIDTERM	Chapters 2-9, 13,15, and 32	Courtroom DNA & Replication
10-9	MON	18	Gene Expression II	Chapter 14: 273-283	
10-11	WED	19	Gene Expression III	Chapter 13, 256-258	
10-13	FRI	20	Recombinant DNA Technology	Chapter 15	
10-16	MON	21	Mitosis	Chapter 9, 170-187	
10-18	WED	22	Sexual Reproduction; Meiosis	Chapter 10, 190-205	
10-20	FRI	23	Mendelian Genetics	Chapter 11, 206-216	
10-23	MON	24	Mendelian Genetics	Chapter 11, 217-219	Transcription, Translation/Mutations
10-25	WED		<u>Minitest 4: Mitosis/Meiosis & Genetics</u>	Chapters 9-12	Mitosis/Meiosis Mendelian Genetics
10-27	FRI		No Class: Fall Break		
10-30	MON	25	Variations on Mendel	Chapter 11, 220-229	
11-1	WED	26	Human Genetics	Chapter 12, 230-251	
11-3	FRI	27	Human Populations	Chapter 31, 680-689	
11-6	MON	28	Baby Panic: Female Reproduction	Chapter 30, 650-659	
11-8	WED	29	Female Reproduction & Contraception	Chapter 30, 661	
11-10	FRI	30	Human Male Reproduction	Chapter 30, 659-662	
11-13	MON	31	Cloning & Stem Cells	Chapter 30, 662-3, section 15.3	
11-15	WED		<u>Minitest 5: Human Pop/Reproduction</u>	Chapters 30-31	Human Genetics, Populations
11-17	FRI	32	Cellular Organelles	Chapter 4	Human Reproduction, Contraceptives
11-20	MON	33	Natural Selection	Chapter 16, 308-325	
11-22 thru 11-24			No class: Thanksgiving Break		
11-27	MON	34	Examples of natural selection		
11-29	WED	35	Microevolution	Chapter 17, 326-345	
12-1	FRI	36	Finish Microevolution		
12-4	MON		<u>Minitest 6: Evolution</u>	Chapters 16-18	Overview of Cells, Organelles, Darwin
12-6	WED	optional review	session for final exam		& Evolution, Microevolution,

*This syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary. Evidence for Evolution