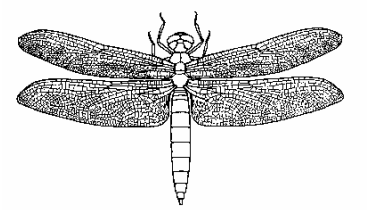

Biology II
Biology 140 – Spring 2005

Dr. D.H. Kesler[1]

If you are enrolled in Bio 140 you may access course material via WebCT at
https://webct.rhodes.edu/webct/public/home.pl

DAY	DATE	TOPIC	REQUIRED READING[2]
Wednesday	**January** 12	Introduction – Evolution	pp 450-461
Friday	14	Evolution - continued	Chap. 24
Monday	17	Martin Luther King Day – no class	
Wednesday	19	Evolution - Drop/add period ends	pp. 488-493
Friday	21	Class Cancelled Tree of Life	
Monday	24	Tree of Life	pp 552-553, 546-548, 575-577,616-619
Wednesday	26	Tree of Life	pp 633-642,646,678-680
Friday	28	Plant Biology	pp 720-738, pp 748-759
Monday	31	Plant Biology	pp. 762-764
Wednesday	**February 2**	Plant Biology	pp. 575-588
Friday	4	**Exam 1**	
Monday	7	Plant Biology	pp. 589-595
Wednesday	9	Plant Biology	pp. 597-615
Friday	11	Plant Biology	pp. 783-794
Monday	14	Plant Biology	pp. 794-801
Wednesday	16	Plant Biology	Chap. 3 of Buchmann & Nabhan[3]
Friday	18	Animal Organization, Homeostasis, Tissue Types, Nutrition	pp. 834-844, Chap. 41
Monday	21	Nutrition - continued	
Wednesday	23	Circulation	pp. 871 - 886
Friday	25	Circulation - continued	
Monday	28	Gas Exchange	pp. 886-897
Wednesday	**March 2**	Gas Exchange - continued	
Friday	4	**Exam 2**	
MWF	7,9,11	no class – Spring Break	
Monday	14	Osmoregulation	pp. 936 - 944
Wednesday	16	Osmoregulation	pp. 944 - 952
Friday	18	Muscle	pp. 1075 - 1086
Monday	21	Muscle - Nerve Function	pp. 1022 - 1028
Wednesday	23	Nerve Function	pp. 1028 - 1039
Friday	25	Easter Break	
Monday	28	Sensory Systems	pp. 1057 - 1070

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[2] Campbell, N.A. and J.B Reece. 2002. Biology. Benjamin Cummings.

[3] Buchmann, S.L. and G.P. Habhan. 1996. The Forgotten Pollinators. (on reserve in the library)

Wednesday	30	Sensory Systems - continued	
Friday	**April** 1	Hormones	Chap. 45
Monday	4	Hormones - continued	
Wednesday	6	Fertilization and Reproduction	pp. 975-989, 993-995
Friday	8	**Exam 3**	
Monday	11	Behavior	Chap. 51
Wednesday	13	Behavior	
Friday	15	Ecology	Chap. 50
Monday	18	Ecology	Chap. 52
Wednesday	20	Ecology	Chap. 54
Friday	22	Ecology	
Monday	25	**Exam 4**	
Wednesday	27	Review	
Friday	29	URCAS – no class	
Monday	May 2 – 13:00	**Final Exam**	

Total available points for this class will be 500 distributed as follows:

3 Best of 4 Exams, (100 pts. each)	300
1 Final Exam, Cumulative	100
Daily Quizzes, (30) – 15% of grade	75
Seminars (see below) –5% of grade	25
Total	500

Since you will drop an exam, I will firmly hold to a grading scheme as described below:

100-91% 500-455 points "A"
91-90% 454-450 points "A-"
90-89% 449-445 points "B+"
89-81% 444-405 points "B"
81-80% 404-400 points "B-"
80-79% 399-395 points "C+"
79-71% 394-355 points "C"
71-70% 354-350 points "C-"
70-69% 349-345 points "D+"
69-61% 344-305 points "D"
61-60% 304-300 points "D-"
< 60% < 300 points "F"

For example, if you earn more than 455 points, you will receive an "A", guaranteed. I do not have a "curve" which only allows a certain percentage (e.g., 10%) to receive "A's" or forces 10% to receive "F's". However, I gear the degree of difficulty of this course so that usually about 10% of the students receive "A's" or “A-‘s”.

Daily Quizzes – Quizzes will be available on WebCT at least 24 hours before class. They will be “turned off” at 7:40 am (20 minutes before class). If you fail to take a quiz you will receive a zero for that quiz.

Seminars – There will be three-four seminars in the Biology Department this semester. To receive 25 points towards your grade, you must attend **two** of these seminars, sign an attendance sheet after the seminar's completion, and submit via WebCT within 48 hours a critique of each seminar you attend. These will be graded with a maximum of 12.5 points each. Note, this is not extra credit, but an expectation of the course. Submission of only one critique results on zero points. If you cannot attend any of the departmental seminars, you may attend, with prior permission, one of several seminars given at the University of Memphis or the University of Tennessee.

Disclaimer - Electronic sources of information (notes, study guides and PowerPoint presentations), are provided as supplements to your textbook readings and note taking. Technical difficulty in accessing such supplements will not be accepted as an excuse for missing or delaying an exam. You should always anticipate such difficulties and obtain electronic copies or hard copies well in advance of each exam.

Likewise, the daily quizzes are available at least 24 hours before class meeting, and last-minute technical difficulties do not qualify as an excuse for missing a daily quiz.

EXPECTATIONS

I expect that you are taking this course because you are genuinely interested in the study of life, i.e., biology. If you are taking this course simply to fulfill a science requirement and have no interest in biology, you have made the wrong choice.

While an introductory course, this is a rigorous course in the second of the introductory series. Please note that the way in which things are done in this course will be different from Biology 130. I expect that you will have looked over the assigned reading before we cover this material in class. I also expect that you will go back and read carefully the assigned chapters and review your class notes within a day or two of their being given. If you wait until the night before quizzes and exams to study, you will have an unpleasant experience and will not perform as well as you would like.

I expect that you will be responsible for your own mastery of the material. If you have questions about concepts presented in the text or lectures, it is your responsibility to find the answers to these questions. That means doing things like re-reading carefully the text, working with the material, and asking me. Be advised though, I will not work with you on material covered in classes you missed.

It should go without saying that I expect you to contribute to this class. Examples of such contributions include asking questions when appropriate, answering questions when asked, maintaining a positive attitude, and coming to class on time. It should go without saying that disruptive behavior such as talking on cell phones, interrupting, sleeping, eating, or other discourteous behavior will not be tolerated.

The syllabus above will be followed as closely as possible. That means exams will be given on the dates listed. If you fail to appear for an exam or fail to take a daily quiz you will receive a zero for that exam or quiz. You may be excused from an exam or quiz only if you contact me in advance.

PHILOSOPHY AND OBJECTIVES

One of my major objectives for this course is to provide the best introduction to organismal biology you could possibly obtain in one semester. This will involve, in part, my providing the information and resources to you. I will also provide, hopefully, the stimulation and impetus for you to dig into this material. Without this second component - your active involvement - we will just be going through the motions.

To achieve this major objective I feel it is essential that you gain factual knowledge such as terminology, classifications, and methods. It is also essential that you learn fundamental principles. With these you will be able to apply the course material to solve problems and improve your thinking skills. These specific skills and competencies are important should you choose a profession related to the biological sciences.

Another objective of mine is to sensitize you to the life process as it occurs in organisms. With this awareness, you may view other organisms and yourself differently. Hopefully you will develop a respect of the life process, which will influence your decisions in the future.

When you have finished this course, you will be able to take upper-level biology courses at Rhodes. Therefore, the foundation you receive in this course is quite important. If you are not going on in Biology, it is especially important for you to master this material because you will not be exposed to it again in a formal manner. You will, however, be exposed to this material throughout your life.

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I have read the syllabus, grading schedule, expectations, disclaimer and philosophy and objectives for Biology 140, Biology II. I fully understand what I have read and have no questions.

Print Name_____________________________ Date_______________

Signature_____________________________________

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