

# General Biology

Fall 2009  
 Biology 101  
 Required Text: *Biology Today* (3rd Ed.)  
 by Minkoff & Baker

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#	DATE	TOPIC/ACTIVITY	RELATED READING Chapter (Pages)
1	9/4	Intro/Science/Method	1
2	9/7	Science/Ethics	1
3	9/9	Mendelian Genetics	2 (pp34-38)
4	9/11	<b>Quiz</b> /Cell Division/Genetics	2(38-47)
5	9/14	Chromosomes and genes	
	9/16	Attend <b>SYMPOSIUM</b>	
6	9/18	Chromosomes and genes	2(47-61)
7	9/21	Protein Synthesis	2 and 3
8	9/23	Human genetics	3
9	9/25	Genetic Engineering/Genomics	4
10	9/28	Finish chapter 4 and review	4
11	9/30	<b>EXAM 1</b>	<b>Chapters 1-4</b>
	<b>10/1</b>	<b>Glennon Lecture, 7:00 pm Centrum</b>	
12	10/2	Evolution	5
13	10/5	Evolution	5
14	10/7	Taxonomy	6
15	10/9	<b>QUIZ</b> /Taxonomy	<b>Evolution</b>
16	10/12	Taxonomy	6
17	10/14	Taxonomy	6/7
18	10/16	Human variation	7
19	10/19	Reproduction	9
20	10/21	Reproduction	9
21	10/23	<b>EXAM 2</b>	<b>Chapters 6-7</b>
	10/26	FALL BREAK	
22	10/28	Nutrition	10
23	10/30	Nutrition and Circulation/Respiration	10 and 14
24	11/2	Nutrition and Malnutrition	10
25	11/4	Nutrition and Malnutrition	10
26	11/6	Plants	11
27	11/9	Plants	11
28	11/11	Plants	11
	11/12	<b>FUGLESTAD LECTURE 7:00 pm, Centrum</b>	
29	11/13	<b>EXAM 3</b>	<b>Chapters 9-11</b>

30	11/16	Cell Division and Cancer	12
31	11/18	Nervous system	13
32	11/20	Nervous system	13
33	11/23	Drugs	14
34	11/25	Respiratory system	14
	11/27	THANKSGIVING BREAK	
35	11/30	Excretory system	14
36	12/2	<b>Exam 4</b>	<b>Chapters 12-14</b>
37	12/4	Immune system	15
38	12/7	HIV and AIDS	16
39	12/9	Other Infectious diseases	17
40	12/11	Biodiversity	18
41	12/14	Threat to Biomes	19
	12/17	<b>EXAM 5</b> (during FINAL exam period 11:00 - 1:00)	<b>Chapters 15-19</b>

There are Biology tutors at the Academic Enhancement Center. If you think you may struggle with the material or study skills, etc., they can be very helpful.

## Biology 101 Goals

Here are some of my global goals for the course:

That you would understand:

- what science is;
- how it functions;
- what its limitations are.

That you would gain an understanding of:

- the different parts of our human bodies;
- how they function and interrelate;
- behaviors that affect your body and health.
- effects of your behavior on others/environment.

That you would appreciate:

- the Unity and Diversity of Biological life,
- the inter-relatedness of living organisms and their environment.

Finally, I will share with you some ways that my religious convictions help to shape my view of the world. My intention is to get you to think about what you believe.

### OFFICE

I am usually in the building from 8 to 5. My office is Room 245 S and is behind the secretary's office. My class schedule is posted on the web and by my office door. Please feel free to contact me any time at my office. To be sure that I will be there it is good to call ahead or make an appointment. If I don't answer the phone, leave a voice-mail message or leave a message with Mrs. Hagen, the departmental secretary in room 244 Jones (299-3085) or email me.

**LECTURES:** Exam questions will come from material presented or assigned in class. I will use powerpoint presentations or overheads of figures from the text, so you may want to bring the text with you to class. Your attendance at each lecture and laboratory is expected. In the event that you must miss class, notify me before hand. In case of sudden illness or emergency, see me or contact me as soon as possible to arrange make-up work. For those involved in extracurricular activities (e.g., music or athletics) please inform me ahead of time if you will miss class. Whatever the reason for any absence, **YOU** will be responsible for the material presented or assigned in class and should obtain make-up material (e.g., class notes) from someone in class.

**EXAMS:** Four lecture exams and the final exam are scheduled. Hopefully, there will be some time in the class preceding each exam, for review. It will make these review times most useful if you have studied and come to class with questions. The exams will be worth about 80-125 points and some examples of the types of questions will be discussed in class before the first exam. While the exams will not be strictly cumulative, we will be integrating and reviewing material throughout the course. If you do not take an exam at the scheduled time and have not notified me ahead of time, you will receive a **ZERO** score for that assignment (except in cases of emergency, emergencies are things **you** have **no** control over). When a make-up exam is given, it may be essay questions and may be graded on a pass-fail basis.

The final exam will deal primarily with material since the previous exam and will be given during the time set by the registrar (Thursday, 12/17 from 11-1) and **NOT** before. If you have **more** than two finals on one day you may reschedule **one** of them. **If you need to reschedule the 101 final you must talk to me about it before midsemester recess.**

**EMAIL:** From time to time, I will send out emails to the class to notify you of important events or changes. Each of you has a Concordia email address ([name@cord.edu](mailto:yourname@cord.edu)) and that is what I will use. You should check this account regularly or have mail there forwarded to an account that you do check often. See me if you have questions.

**WRITING:** There will be an opportunities to hand in writing assignments including summary/ reaction papers from the Fulgestad lecture and other biology-oriented seminars and presentations. Details will be announced in class.

**MISC:** The time table given in the syllabus is tentative. I will make every effort to adhere to it when possible. In the event that test dates need to be changed, at least one week prior notice will be given. Please feel free to contact me with any questions/concerns I may be able to help with.

**OTHER POINTS:** You are expected to earn points outside of the traditional "exam setting." These are called "other points." You will be graded on 100 points in this category. They are **NOT** extra credit (it will hurt your grade if you do not do them). There are several different ways to earn other points (see <http://www.cord.edu/faculty/todt/101/lecture/fall/otherFall09.htm>)

Some electronic devices are useful and permitted during classroom lecture, laboratory and examination periods. Such devices may include laptop computers and calculators, for example. The Biology Department policy on the use of these devices in the classroom is as follows:

- 1) All electronic devices (including cellular phones) must be set to silent during scheduled lecture and laboratory sessions.
- 2) No electronic devices (laptop computers, PDA's, cellphones, MP3 players, digital cameras, etc) should be brought into the classroom during examination periods, with the exception of materials needed for the exam (e.g. a calculator is permitted if mathematical analysis is required).
- 3) If you wish to use a calculator during an exam, it must be a simple calculator that is non-programmable and non-text-storing. Examples include the Aurora HC 108X and HC 206, available at the bookstore. Sharing of calculators on exams is not permitted.

**GRADING:** Your grade for the course will be determined by taking all of the points you earned as a percentage of all points you could have earned. Points will be earned by correctly answering test questions, handing in assignments, participating in class, etc. Positive adjustment points may be added, in some instances, on exams. It is also possible to earn "negative" adjustment points for excessive unexcused absences, lack of participation, failure to complete assignments. Hopefully none of you will earn any negative points.

The lecture grade will be 60% of the final grade. Scores from laboratory activities will make up 40% of your grade. Your final percentage (0.6 x lecture average + 0.4 x lab average) will be converted to a letter grade as follows:

A	93-100 %	C+	77-80 %
A-	90-93 %	C	73-77 %
		C-	70-73 %
B+	87-90 %	D+	67-70 %
B	83-87 %	D	63-67 %
B-	80-83 %	D-	60-63 %
		F	60 % or below

Below is a space for you to record how well you have done on tests and assignments.

	Points Earned	Points Possible	PerCent (Earned/Possible *100)
Quiz 1 _____	_____	_____	
Exam 1	_____	_____	_____
Quiz 2 _____	_____	_____	
Exam 2	_____	_____	_____
Exam 3	_____	_____	_____
Exam 4	_____	_____	_____
Exam 5	_____	_____	_____
Other Assignments _____		100	_____
Semester Total	_____	_____	_____

(Lab % \_\_\_\_\_ \* 0.40 ) + (Lecture % \_\_\_\_\_ \* 0.60) = Biology 101 Percent \_\_\_\_\_

**INTEGRITY:**

The handbook "Academic Integrity at Concordia College" was adopted by both the Faculty Senate and the Student Association Senate. If you have not read the handbook, see me and we will get you a copy. It states:

*At no time is cheating on examinations, quizzes, or assignments acceptable at Concordia. Students are also expected to exercise appropriate caution to avoid plagiarism on written assignments.*

Anyone found in violation of academic integrity will receive a ZERO on the assignment in question and will be reported to the Academic Dean. Anyone caught cheating a second time risks failing the entire class.