

**Required Materials:**

**Textbook:** Biology Now, 2nd Edition (without physiology) by Houtman et al. Either hardcopy or e-book are ok. The free, online homework software, SmartWork5, is required. You must access Smartwork5 through our class Blackboard website in order to receive credit for your work.

**iClickers:** You will need an iClicker for this course. You can purchase/rent/reuse an iClicker remote device.

**Blackboard:** Students are expected to check the Blackboard site at least biweekly for updates, announcements, instructions, additional learning materials, and due dates.

**Lab:** There is no laboratory requirement for this course, but BIOL 1020 is highly compatible with this course.

**Grading:** The total grade will be based out of 400 points. This scheme may change slightly during the semester.

<b>Homework</b>			<b>25%</b>	<b>A</b>	$\geq 93\%$
SmartWork5		80 points		<b>A-</b>	92.9 - 90
Assignments		20 points		<b>B+</b>	89.9 - 87
<b>In Class</b>			<b>25%</b>	<b>B</b>	86.9 - 83
Quizzes/Activities	Best 7 of 8	70 points		<b>B-</b>	82.9 - 80
Clicker Q's	up to	30 points		<b>C+</b>	79.9 - 77
<b>Exams</b>			<b>50%</b>	<b>C</b>	76.9 - 73
Midterms	Best 2 of 3	120 points		<b>C-</b>	72.9 - 70
Final Exam		80 points		<b>D+</b>	69.9 - 67
<b>Total</b>			<b>400 points</b>	<b>D</b>	66.9 - 60
				<b>F</b>	< 60%

**Extra Credit:** There are very few opportunities for extra credit. Any extra points offered as a part of a graded item will be applied directly to that items grade. "Stand alone" extra credit opportunities will not initially be calculated into your final course grade. They will only be included if they clearly bump up your letter grade. (Example: You have a B-, and are three points away from a B. If you have one point extra credit, you will receive the B- you earned. If you have three points extra credit, you will receive a B.)

**Class Attendance:** Attending lecture is crucial. Though attendance is not an official part of your grade, there will be unannounced (pop) quizzes throughout the semester, as well as iClicker questions almost every lecture. These quizzes and iClicker questions may be given at any time during the class.

**Access and accommodations:** This course is ADA accessible. Students requiring special learning services and accommodations are encouraged to consult the Disability Resource Services office on campus (MSR 210). Course-related services include, notetakers, sign language interpreters, special testing accommodations, extra time for exams, and permission to record lectures.

**Tests:** For exams and quizzes, you will not be allowed to leave the room once the test has started. Calculations will be simple so you will not be allowed to use a calculator. Tests will be based on any and all of the following: Concepts discussed during lecture, information on the lecture slides, textbook reading, and additional assigned readings/videos. The Final Exam is cumulative. Be sure to bring a blank 882-E scantron to every exam. At the end of the semester, your lowest midterm exam score and your two lowest quiz scores will be dropped.

**Assignments:** Different types of assignments that will be assigned throughout the semester. Assignments are designed to (1) help students develop their abilities to think critically and summarize complex concepts, and/or (2) introduce students to the “bigger picture” ideas of biology. You will most likely not be directly tested on content from assignments.

### **Absences, and Make-Ups:**

- Daily attendance to lecture is **crucial**. Though attendance is not an official part of your grade, there may be graded, **unannounced (pop) quizzes** throughout the semester, as well as in-class clicker questions.
- Any student that has **three or more unexcused absences may be dropped** from the class by the instructor.
- Unless otherwise noted, **all assignments are due by the beginning of class**. Assignments may be turned in ahead of time. Assignments will lose 10% of their grade for each day turned in late (if turned in 15 minutes after the start of class, it is considered a day late). Late assignments must be turned in within five days of the original due date.
- **If you are absent, you should email a clear image of the assignment to the instructor**. The email must be received in the instructor’s inbox before the start of class. This will provide proof that the assignment was completed on time. Remember that sending an email does not guarantee that it will be received in time, and last-minute “technical difficulties” are not a valid excuse. In order to receive a grade, the **hard copy must still be turned in** when you return to class.
- Athletes who will be absent due to athletic competition/event are expected to provide documentation of the event dates, and take exams/turn in assignments prior to the event. The student is also responsible for reminding the instructor of an upcoming absence, and for scheduling a date/time to take the exam. Failure to do so in a timely fashion results in a zero.
- **There will be no make-ups for assignments, quizzes, exams (including the final)**. If you arrive late to a test (an exam or quiz), you will not be given any extra time. If you miss a test, you will receive a zero. Exceptions:
  - **Death or imminent hospitalization** of an immediate family member or dependent on the day of the test. This requires proper documentation.
  - Students who experience an **incapacitating illness or accident** on the day of the test. This requires a note from the student’s physician (not a family member) or from the University Health Services. The documentation must explicitly show or state that the illness, injury, or incident occurred during the time of the class, or directly prevented the student from taking the test. Documentation must be provided within 7 days of the missed test.
  - It is not uncommon for students to experience bouts of being **emotionally overwhelmed and extremely stressed** during their college career. If these feelings become incapacitating, the student is advised to seek help from a health professional. Make-ups will be allowed if the student provides a signed note from a physician or licensed clinical therapist. The note must explicitly list date range of incapacitation (past and/or future) and detail the limitations to the student’s academic activities (i.e. cannot physically attend class, is incapable of completing mentally challenging tasks, etc). Your mental health is your business, so the note does need to give any diagnoses or confidential information.
  - Make-up tests may be different versions of the original test, but the concepts and format will remain the same.

### **Contacting the instructor:**

- Please **do not email me over non-urgent matters**. Emails should be sent to [jnewton4@csustan.edu](mailto:jnewton4@csustan.edu) with “Bio 1010” in the subject line. I often only check my email twice a day during the week and not at all during weekends. Not all emails will receive a response, particularly if the concern will be addressed, or if a question can be asked in lecture/during office hours.
- **Office hours** will be weekly, **Thu 9:30 – 10:30 am**. Please remember that office hours are pretty much open to everyone, including people from other courses, or students with non-course related business. Additional office hours can easily be made with Dr. Newton by appointment. Please specify if you’d like the meeting to be one-on-one, or open for other students to attend. Unless otherwise noted, please assume any office hours will be in N 202.

**Cheating:** Cheating is absolutely forbidden.

- Any of the following are considered cheating:
  - **Plagiarism** is defined as using another person's words without proper reference/citation. Although in preparing problem sets you may paraphrase written information from texts or articles, you must use your own words, clearly cite the source and identify the text that was paraphrased, and demonstrate that you understand that information. If you quote directly or nearly directly from a source, you must indicate this with the use quotation marks and cite the source of information.
  - **Copying** wording, answers, and materials from another source (i.e. not a product of your own work and/or not in your own words). Thus includes assignments and tests, whether it be from current or previous classmates, or another source.
  - **Using devices, resources, or other material** that have not been explicitly allowed during tests is prohibited. Cheating includes using notes, searching the internet, or consulting other resources during any test, including online quizzes.
  - **Altering answers** on a graded material, then trying to have the grade changed is cheating.
  - **False representation** of you as someone else in this course is a gravely serious offense. Signing in, taking quizzes, or completing any course material for another student is considered cheating.
  - **Forging or altering a grade** change form is also a gravely serious offense. The Registrar's Office is wise to this; they carefully check signatures and send copies of all grade change requests to the faculty member.
- A person cheating receives a 0 for that assignment/test; their name and a description of the offense may sent to the Dean of Students. Any zeros received on tests due to cheating cannot be dropped. Cheating offenses may be punished by disciplinary probation, suspension, or expulsion. These actions may be noted on your transcript! If you think a fellow student is cheating we urge you to discretely tell us about it. We will maintain your anonymity.

**Principles of Biology: Course Schedule**

**Course Schedule:** Assignments, due dates, and additional learning materials will be posted online with sufficient notice. This schedule is tentative and subject to minor changes. Every attempt will be made to keep the exam dates the same as listed below.

<b>Date</b>	<b>Topic</b>	<b>Chp.</b>
Tu Jan 29	Course Logistics; The Nature of Science	1
Th Jan 31	Course Logistics; Applying the Science	2
Tu Feb 5	Chemistry of Life	3
Th Feb 7	Life is Cellular	4
Tu Feb 12	How Cells Work	5
Th Feb 14	<i>Review</i>	
<b>Tu Feb 19</b>	<b>Exam 1</b>	
<i>Feb 21: Census Enrollment Date</i>		
Th Feb 21	Cell Division	6
Tu Feb 26	Patterns of Inheritance	7
Th Feb 28	Patterns of Inheritance	7
Tu Mar 5	Chromosomes and Human Genetics	8
Th Mar 7	Chromosomes and Human Genetics	8
Tu Mar 12	What Genes Are	9
Th Mar 14	How Genes Work	10
<i>Spring Break! Mar 18-22</i>		
Tu Mar 19	<i>Review</i>	
<b>Th Mar 21</b>	<b>Exam 2</b>	
Tu Mar 26	Evidence for Evolution	11
Th Mar 28	Mechanisms of Evolution	12
Tu Apr 2	Mechanisms of Evolution	12
Th Apr 4	Adaptations and Species	13
Tu Apr 9	The History of Life	14
Th Apr 11	Animals and Human Evolution	17
Tu Apr 16	Animals and Human Evolution	17
Th Apr 18	<i>Review</i>	
<b>Tu Apr 23</b>	<b>Exam 3</b>	
Th Apr 25	General Principles of Ecology	18
Tu Apr 30	Communities of Organisms	20
Th May 2	Ecosystems	21
Tu May 7	Ecosystems	21
Th May 9	<i>Review for Final: Eco and Evo</i>	
Tu May 14	<i>Review for Final: Genes and Cells</i>	
<b>Th May 16</b>	<b>Final Exam 8:30 – 10:30</b>	