

LBCC SUMMER 2021
General Biology: BI 103
Plant & Animal Systems

Office Hours: 11:20 –12:00 pm Wed
Right after class in Zoom

CRN: 16720
Section: 01 Virtual
Credits: 4 credits

Class Meeting:
10-11:20 am Wednesday via Zoom
ATTENDANCE IS TAKEN
→10 week progression

Instructor: Diana Wheat
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Introduction:

An introductory lab science course intended for majors in disciplines *other than the biological sciences*. Topics presented include plant anatomy and physiology, animal anatomy and physiology, and human diseases. The course is designed to help students discover the applications of science to their everyday lives, as well as provide elements of critical thinking. The theme for this course is the **structure and function with a focus on contrasting plants to animals**. Biology 101, 102 and 103 need not be taken in numerical order, but **only one theme course in Biology 103** can be used to meet graduation requirements i.e. a student cannot take two BI 103's. If a student has previously taken Dynamic Plant or Human Body, which are both BI 103's this class will not count towards graduation requirements – speak to your instructor for clarification.

Recommended Prerequisite:

MTH 075 Variables and Linear Equations, college-level reading & writing skills required.

Course Format:

Lecture online delivery in Summer 2021. Available Monday by 9 am.

Lecture Power points, are in pdf format, *the lecture guides are to be completed while you examine the lecture slides and/or videos will be supplied in Moodle on Monday by 9 am.*

Exams are primarily built from these lecture & video guides

Lab Done independently following demo/video viewing & any relevant discussion on Wednesday. Labs on campus generally are 2 hours in duration, so expect to spend **at least** this amount of time just on your lab & video component. If a film is assigned watch this film before Wednesday. The instructor will use break out rooms for you to discuss the films and answer a set of questions as a group.

Readings see free resource on next page. A link is available in the course entry block of Moodle. Assignments per the week are posted on Monday mornings. Ideally the student should plan to read 1-2 sections per day in preparation for the weekly reading quiz (which is primarily designed to test your reading comprehension).

Course Outcomes:

- ✓ List ways that organisms communicate or respond to the environment.
- ✓ Be able to explain the ways that organisms acquire and utilize nutrients.
- ✓ Be able to explain the role of transport in organisms.
- ✓ Be able relate an organism's structure to its functions.

Recommended Texts:

- 1) **OpenStax 2E** (available via online for free) or hardcopy texts (full version) are available in the LBCC bookstore for purchase.
- 2) No printed lab manual this term to purchase – instructions will be delivered entirely on Moodle.

Printer Capability – a MUST. There will be handouts that must be colorized and turned in as part of your lab assignments. This does not mean you should purchase a printer, but you must be aware that it is the student's responsibility to fill in via adobe pdf or print and scan some images for this course. This may involve making arrangements for printing documents or worksheets from the library or other public source or making arrangements with family/friends to print periodically. No extensions for work that requires prints; consider this fair notice.

Advised Materials:

- Colored pencils 10-12 set package
- Graphing paper

Grading: Final grades for the course will be determined by each student's **cumulative** point total by the end of the term. The following is an approximation of points for each respective category, and is **subject to change**, as deemed appropriate by the instructor.

Assessments:

| | |
|------------------------------------|--------------------------------------|
| Exams 2 @ 40 pts | = 80 pts |
| Weekly reading quizzes* 10 @ 10pts | = 90 pts (lowest quiz dropped)* |
| Prelabs 9 @ 3 pts | = 27 pts |
| Labs 9 @ 10 pts each+ | = 90 pts |
| Animal Report on Special senses | = 25 pts – Due week 9 (Fri) |
| Forums @ 2 pts/wk | = 18 pts – one can be missed |
| Final Comprehensive exam | = 70 pts |
| ----- | |
| Total | = ~400 points (Approximation) |

*Lowest quiz score dropped – no retakes, no make-up quizzes, missed quiz is dropped. Note weekly quizzes are open book and collectively worth about 20% of your overall grade. These quizzes reflect knowledge gained from reading assignments and lecture.

+ There is no week 10 lab, since this is same week as final exam in summer term.

Grading Scheme:

A: 90 - 100%, B: 80 – 89%, C: 70 – 79%, D: 60 – 69%, F: 59.4% or below

I. Class Policies

Lecture: You are **required and expected to examine all lectures, which are delivered asynchronously in Moodle.** To do well in the course you must view the lecture and use the corresponding lecture guide. **Lecture guides are NOT turned in** – these are for you to recognize what to focus on as you view the lecture. These lecture guides should be considered as a study guide resource for weekly quizzes and upcoming exams. Lectures are not recorded, but rather delivered in printed pdf format. The lecture guides “add to” the lecture content and are intended to be used with the lecture for maximum benefit.

Films are also typically delivered in a separate video folder so you will view these **on your own time** and fill out any associated video guides, the ones that are marked “Required” on the schedule **must be submitted attached as a separate document (word doc or pdf)** in the {pre-lab assignment area} - per a given week. Video guides are DUE - **Wednesday by midnight.**

Labs: This course is a lab science course, so it is expected that you will participate and submit 70% of the labs to gain a passing grade.* There is not a week 10 lab report, because in summer term week 10 is the final exam week.
→Per biology department guidelines - If a student misses more than 3 lab periods this will result in automatically failing the course, regardless of the overall percentage for the remainder of the course.

Wednesday Zoom Meeting: It is important to come to the weekly meeting on Wednesdays because this is when the film is discussed by the class when the instructor will explain the expectations for the lab for that given week and go over worksheets. In the summer term the **due date for the lab is Saturday night by midnight.** This is a hard deadline, unless your instructor communicates otherwise, extensions are rare, if you can supply documentation that demonstrates you require more than one week to complete a lab e.g. hospitalization or emergencies then acceptance for credit will be decided on a case-by-case basis (see policy below for late work).

Forum Discussions: In the summer term, to help students stay engaged and on track within the classroom environment there will be two forum questions posted each week for “discussion” regarding the weekly topic. Both options will be available by Monday noon. Choose one (not both) to make a brief paragraph posted response (2-3 sentences). Your **initial post is due by Wednesday midnight for 1 pt,** a follow up response to a peer student’s post is **due by Saturday midnight for 1 pt.** These responses should be substantial, not just a comment like “good job” or “interesting...” but rather your response should add to the post with a supplemental or counter example/discussion point to show you really thought about the discussion post. This approach is a significant way to apply what you are learning, it is more than a task, it is a way to create a learning community in our online classroom – make the most of this opportunity.

II. Formal Assessments:

A. Moodle Quizzes

To be found in the Moodle course shell (bottom item per a given week). **Quiz will open Monday at 12:01 pm.** These will be due Saturday nights* at 11:59 pm. It is recommended that you finish all assigned reading prior to initiating the Moodle quiz if at all possible. Three attempts are allowed, the highest score will be recorded by your instructor to factor into your grade. The reason for Saturday midnight deadline is that Sundays should be spent starting the upcoming week's readings rather than working on older material to prepare for a successful week. Quizzes will be 10 points in Moodle and be similar to what will be experienced on the exams, thus consider these practice to prepare for tests, but also reinforcing of the material. Note: With 6 days of flexibility ***no extensions will be granted.*** The lowest quiz (or a missed quiz) will be dropped, so if you missed entering into a quiz that will be your default dropped quiz.

B. Prelabs & Labs

Prelabs consist of typically a one page supplement that is embedded within the lab in the lab folder. This must be done before starting the lab and submitted into the respective folder. Videos that accompany the lab, are also considered a vital part of the course and are part of the 3 pts allocated for the prelab - 2 pts for video & 1 pt for the prelab worksheet. Both documents are due Wednesday by midnight. The video and prelab will be made available in Moodle in the video folder and the lab folder respectively. Please submit as word or pdf documents only – no google docs.

C. Exams: Will consist of two 40 pt unit tests in week 4 & 7 as well as a 70 pt ***comprehensive final*** exam in week 10. Tests are objective format consisting of, but not limited to, multiple choice, matching (usually 5 in a set for 5 pts), fill in the blank, short answer, identification, labeling, short lists, analysis of data sets, identifying correlations/associations etc.

Exams are open for a 12 hour window – noon to midnight on the exam day, exams are NEVER administered early – please don't ask.

The final exam will have have a separate essay component in addition to the objective exam.

Tests are timed, a one-time take only and are closed book & closed notes. A 12-hour window is granted for taking exams so it is up to you to decide when it is best to enter into the test. Academic integrity is expected i.e. the student represents their ***own effort*** to reflect learning. Tests and quizzes are NOT a group activity and will be scrambled. If you cannot meet that 12 hour window (due to being away from the internet or you have a work shift that is longer than 12 hours discuss this with the instructor before the test day). Exceptions are rare but I will work with you if you are pro-active.

→ **Missed exams cannot be made up without documentation* (see next pg).**

III. Special Considerations

***Late Work:** Will **NOT** be accepted without supporting documentation to show your inability to meet deadlines e.g. a doctor's note, jury summons, military duty or hospital admission form. CFAR students must have an accommodation plan AND communicate with the instructor week 1 of the course for extensions.
→ Exam make up will only be allowed in extenuating circumstances, this also requires agreement by the instructor in advance and must be documented – i.e. not for convenience but for reasons similar to above e.g. scheduled surgery.

Special Accommodations: I will be happy to make accommodations for students with disabilities or those with special needs. ***It is the student's responsibility to make any needs known to me within the first week of the semester, in writing***, so that I can give appropriate accommodation. This includes but is not limited to disabilities of visual, hearing, learning, dates needed for religious holidays, court dates etc. If you have not accessed disability services and think that you may need them, please contact CFAR (Center for Accessibility Resources) at 917-4789 or visit RCH 105 (online forms during remote term).

Academic Misconduct: This will not be tolerated and includes any form of cheating. If a student is found to have cheated on a quiz or exam, after due process, the resulting grade may be a zero on the given assessment. All group work *must be written in the students own handwriting and language*. You must turn in your own interpretation and work even if doing team lab projects. See Contract of Understanding for details and ask your instructor if you have any questions. Note – copied material from the internet can disqualify your credit.

Incomplete Policy: An incomplete (IN) will only be issued when a student is unable to complete the last exam by the end of the term, but has otherwise completed 75% of the work in class prior to the final exam. Each incomplete grade will be accompanied by a signed contract specifying the conditions necessary to complete the course. Incompletes are at the discretion of the instructor.

Withdrawing from Classes (Dropping a Class After the Refund Deadline)

To drop a class or withdraw from school, you must drop by a class within Webrunner. If you withdraw from a course after the refund deadline, you will receive a "W" grade in the class. The student will forfeit all claims to refunds, and will be financially responsible for any tuition & fees. Failure to drop a class may impact your grade point average and financial aid eligibility. Note: For classes meeting 8 or more weeks, the deadline to withdraw from the class is 5 p.m. on Friday of week 7.

Behavioral Expectations: To create an engaging, safe and respectful classroom environment we will honor and appreciate that LBCC offers a learning environment free of discrimination. This course will honor a diverse array of perspectives, free of judgment and encouraging of free discourse. All students are expected to contribute to the learning environment and to share viewpoints in a respectful manner. Please be mindful that a mature, college environment recognizes that though there are differences we all seek to be recognized as a valuable member of our community.

Comprehensive nondiscrimination policy: LBCC prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws (for further information <http://po.linnbenton.edu/BPsandARs/>). Policy 1015.

Connectivity Issues: If the instructor's wifi or Internet connection goes down, **grant 10 minutes before** checking out of the class. This has happened but it is a rare occurrence – electricity could be out as well during extreme weather situations. If a student experiences wifi/connectivity issues e.g. during an exam, ***notify the instructor as soon as possible*** – reset is possible, but missing an exam entirely may require documentation e.g. Internet disconnect/service notice from your Internet provider.

