

**LIFE103 Biology of Organisms – Laboratory
Spring 2020 lab syllabus**

General Course Information

Lab Manual: The text, ***Biology of Organisms – A Laboratory Manual for LIFE103***, by Weedman and Damle, (3rd edition) is **required**. The text, ***Photographic Atlas for the Biology Laboratory*** (8th edition) by Van De Graaf, is **required** (an older version of the atlas is ok but the lab manual must be the 3rd edition). The lab manual and atlas are available at the CSU Bookstore and Ram's Bookstore.

Laboratory attendance is mandatory. There will be no make-up labs, quizzes, or practicals. If you cannot attend your assigned lab section during a given week, you may arrange to attend another lab section that same week (to avoid receiving a "0" for that week's lab). To do this, you must ask permission of **both** your regular lab instructor and the instructor of the lab section you wish to attend. If at all possible, don't wait till the last lab on Thursday – these TAs frequently have to turn 'extra' people away who missed lab earlier in the week. Please do not abuse this privilege – all lab sections are FULL and this is to be used for emergency only (students are limited to attending a different section to no more than twice). Lab times and contact information for all the TA's are available on your lab Canvas page under 'course content' and the icon labeled "Life103 TA contact info." Because lab is so important to your complete understanding of Life103 **missing more than two laboratory sessions** during the semester will result in a **0% for the laboratory portion of the course**. The laboratory portion of the course accounts for 25% of your total course grade.

You are responsible for cleaning up your work area and returning supplies to their appropriate location. Please make sure you complete the following items before leaving the laboratory:

1. All used glassware must be washed and returned to the appropriate location.
2. All used slides must be washed, **dried**, and returned to the appropriate box.
3. Your bench top (work area) must be wiped down with a paper towel and the cleaning solution provided.
4. All dissecting equipment must be washed, **dried**, and returned to the designated area for equipment storage.
5. Any trash you generate must be disposed of properly (in the trash receptacle, or glass waste container provided).

NO FOOD OR DRINK IS ALLOWED IN THE LABORATORY!

Cell phones and other electronic devices must be turned OFF during the lab period!

Grading Policy

Your laboratory grade will be based on weekly quizzes, 4 lab practicals, and 2 lab reports. The point break-down will be as follows:

Weekly quizzes	7 (highest of 9) @ 10 pts each =	70 pts
Lab practicals	4 @ 25 pts each =	100 pts
Lab reports	1 @ 25 pts =	25 pts
	1 @ 50 pts =	50 pts
Total possible points:		245 pts

The **quizzes** (worth 10 pts each) will include questions based on the material you covered the previous week, plus material you will be covering in the current week's lab. **Therefore, you should read and become familiar with the introductory material and laboratory exercises each week before coming to class.** Two of the ten weekly quiz points will be based upon completion of the lab manual. Quizzes will be given at the beginning of the laboratory period. If you are late to class and miss the quiz, you will not be permitted to take it late or make it up at another time.

At semester's end, your lab grade will be calculated from your lab reports, lab practicals and your 7 highest weekly lab scores. Absences result in a weekly score of 0 points. For quizzes, practicals, and lab reports, you have ONE week after they are handed back to discuss your grade for points back. Once that week has passed, the grade will be frozen in the grade book.

Note: Your weekly quiz or practical **will not be graded** if you do not **complete all of the lab exercises** including filling in your lab manual and **clean up your work area** at the end of the laboratory period.

There will be no extra credit given in this course.

If you are struggling in lab, it is strongly advised to attend your TA's office hours or set up another appointment if those times do not work for you. If you do not understand something, get help as soon as possible.

Academic dishonesty of any kind will not be tolerated and must be reported to student judicial affairs. We adhere to the CSU policies on academic integrity and classroom behavior which can be found in the CSU General Catalog for 2019-2020 at:
<http://catalog.colostate.edu/general-catalog/policies/students-responsibilities/#academic-integrity>

Information about your Laboratory Instructor

Name:

E-mail address:

Office location and hours:

*** If you have any general questions or concerns regarding the LIFE103 Laboratory, you may contact the Laboratory Coordinator:**

Donna Weedman (204 Yates; 491-4061; donna.weedman@colostate.edu)

(include your name, course number, lab section number, and lab instructor's name in emails or phone messages)

Need Help?

CSU is a community that cares for you. If you are struggling with drugs or alcohol and/or experiencing depression, anxiety, overwhelming stress or thoughts of hurting yourself or others please know there is help available. Counseling Services has trained professionals who can help. Contact 970-491-6053 or go to <http://health.colostate.edu>. If you are concerned about a friend or peer, tell someone by calling 970-491-1350 to discuss your concerns with a professional who can discreetly connect the distressed individual with the proper resources (<http://safety.colostate.edu/tell-someone.aspx>). Rams take care of Rams. Reach out and ask for help if you or someone you know is having a difficult time.

Laboratory Schedule for LIFE103, Biology of Organisms, Spring 2020

<u>Week #/ Date</u>	<u>Topic</u>	<u>Lab Topic in Lab Manual</u>
1: 1/20-1/23	No labs	
2: 1/27-1/30	Human Cardiopulmonary Physiology	Lab Topic 19
3: 2/3-2/6	Quiz 1 Lab Report Experiment	Lab Topic 19, Appendix 1
4: 2/10-2/13	Quiz 2 Lab Report Title, Introduction, Materials/Methods with citations due to Turnitin Animal-like protists Porifera; Cnidaria	Lab Topic 11 Lab Topic 12
5: 2/17-2/20	Quiz 3 Platyhelminthes; Nematoda; Annelida	Lab Topic 13
6: 2/24-2/27	Lab Practical 1 Mollusca	Lab Topic 14
7: 3/2-3/5	Quiz 4 Lab Report Results & Discussion with citations due to Turnitin Arthropoda Echinodermata	Lab Topic 15 Lab Topic 16
8: 3/9-3/12	Quiz 5 Chordata Fetal pig dissection	Lab Topic 17 Lab Topic 18
9: 3/16-3/19	NO LABS – Spring Break	
10: 3/23-3/26	Lab Practical 2 Ecology Algae and Cyanobacteria	Lab Topic 10 Lab Topic 1
11: 3/30-4/2	Quiz 6 Fungi Lichens Seedless nonvascular plants (Bryophytes)	Lab Topic 2 Lab Topic 3 Lab Topic 4
12: 4/6 – 4/9	Quiz 7 Complete Revised Lab Report Due to Turnitin Seedless vascular plants (Pterophytes & Lycophytes) Vascular plants with naked seeds (Gymnosperms)	Lab Topic 5 Lab Topic 6
13: 4/13-4/16	Lab Practical 3 Vascular plants with enclosed seeds (Angiosperms)	Lab Topic 7
14: 4/20-4/23	Quiz 8 Plant Anatomy (Stems, Roots)	Lab Topic 8
15: 4/27-4/30	Quiz 9 Plant Anatomy (Leaves) Plant Growth and Development	Lab Topic 8 Lab Topic 9
16: 5/4-5/7	Lab Practical 4	