LIFE103 Biology of Organisms – Laboratory  
Spring 2016  
Course Syllabus

General Course Information


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 TA’s 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. 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:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points Breakdown</th>
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<tbody>
<tr>
<td>Weekly quizzes</td>
<td>7 (highest of 9) @ 10 pts each = 70 pts</td>
</tr>
<tr>
<td>Lab practicals</td>
<td>4 @ 25 pts each = 100 pts</td>
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<tr>
<td>Lab reports</td>
<td>1@25 pts = 25 pts</td>
</tr>
<tr>
<td></td>
<td>1@50 pts = 50 pts</td>
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<tr>
<td>Total possible points:</td>
<td>245 pts</td>
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The quizzes (worth 10 pts each) will include questions relevant to 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 2015-2016 at: http://catalog.colostate.edu/general-catalog/policies/students-responsibilities/#academic-integrity

Information about your Laboratory Instructor

Name: ________________________________________________________________

Phone Number: _________________________________________________________

E-mail Address: _________________________________________________________

Office Location: ________________________________________________________

Office 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)
<table>
<thead>
<tr>
<th>Week #/ Date</th>
<th>Topic</th>
<th>Lab Topic in Lab Manual</th>
</tr>
</thead>
<tbody>
<tr>
<td>1: 1/19-1/21</td>
<td>Human Cardiopulmonary Physiology</td>
<td>Lab Topic 19</td>
</tr>
<tr>
<td>2: 1/26-1/28</td>
<td>Lab Report Experiment</td>
<td>Lab Topic 19, Appendix 1</td>
</tr>
</tbody>
</table>
| 3: 2/2-2/4 | **Quiz 1**  
Lab Report Title, Introduction, Materials/Methods with citations due to VeriCite  
Algae and Cyanobacteria | Lab Topic 1 |
| | Fungi | Lab Topic 2 |
| | Lichens | Lab Topic 3 |
| 4: 2/9-2/11 | **Quiz 2**  
Bryophytes | Lab Topic 4 |
| | Seedless vascular plants (Ferns and Fern Allies) | Lab Topic 5 |
| 5: 2/16-2/18 | **Lab Practical 1**  
Vascular plants with naked seeds (Gymnosperms) | Lab Topic 6 |
| 6: 2/23-2/25 | **Quiz 3**  
Lab Report Results & Discussion with citations due to TA (do not turn in to VeriCite)  
Vascular plants with enclosed seeds (Angiosperms) | Lab Topic 7 |
| 7: 3/1-3/3 | **Quiz 4**  
Plant Anatomy (Stems, Roots) | Lab Topic 8 |
| 8: 3/8-3/10 | **Lab Practical 2**  
Plant Anatomy (Leaves) | Lab Topic 8 |
| | Plant Growth and Development | Lab Topic 9 |
| 9: 3/15-3/17 | **NO LABS – Spring Break** | |
| 10: 3/22-3/24 | **Quiz 5**  
Animal-like protists | Lab Topic 11 |
| | Porifera; Cnidaria | Lab Topic 12 |
| 11: 3/29-3/31 | **Quiz 6**  
Complete Revised Lab Report Due to VeriCite  
Platyhelmintes; Nematoda; Annelida | Lab Topic 13 |
| 12: 4/5-4/7 | **Lab Practical 3**  
Mollusca | Lab Topic 14 |
| 13: 4/12-4/14 | **Quiz 7**  
Arthropoda | Lab Topic 15 |
| | Echinodermata | Lab Topic 16 |
| 14: 4/19-4/21 | **Quiz 8**  
Chordata  
Fetal pig dissection | Lab Topic 17 |
| 15: 4/26-4/28 | **Quiz 9**  
Ecology | Lab Topic 10 |
| 16: 5/3-5/5 | **Lab Practical 4** | |