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# BIOB 191.01C: Discover Biology Teaching Assistant

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## **Biology 191: *Discover Biology Teaching Assistant*      Fall 2013 Syllabus**

**Class Meets:** Section 01: M, 10:10-12:00

Section 02: W, 10:10-12:00, both at MonTEC, lab room 129

Lab preparation meetings to be arranged with instructor

**Instructor:** Greg Peters. Contact: greg.peters@mso.umt.edu or (406) 207-6154

**Office hours:** Mon-Thurs, 12:30 - 1:30 in HB02 at Missoula College

**Required texts:** *Custom Lab manual available through Missoula College bookstore only*

### **Course Responsibilities:**

Thank you for helping instruct the Biology 101: *Discover Biology* laboratory activities.

Teaching is a wonderful way to continue learning, and this course is designed to help you gain experience with the organization, direction, and evaluation of biology laboratory education. The laboratory will explore topics such as the cellular bases of life, evolution, genetics, and important processes of energy transformation in living systems. The core responsibilities of the Discover Biology lab TA are to carefully read each lab activity ahead of lab, prepare lab materials in an organized manner, copy and offer quizzes, assist the instructor in guiding student lab activities, and help tidy up the lab after class ends.

TAs may occasionally be asked to collect or prepare materials from outside of the scheduled lab meetings. Specific tasks will be outlined during the weekly lab prep meetings. Attending the lecture portion of the course is optional.

### **Course credit:**

Enrollment in Biology 191 is required for *Discover Biology* TAs. One university credit will be assigned for each section of lab instructed. Please make sure to contact your instructor with any questions about registration. University policies on drops, adds, changes of grade option, or change to audit status will be strictly enforced in this course. Please note that after the 45<sup>th</sup> day of the semester, such changes are NOT automatically approved.

### **Grading:**

The TA experience is graded. Grading will be based upon these expectations:

- TA will attend regular lab preparation meetings
- TA will attend all lab meetings. Advance notice will be given for any absences & substitution will be coordinated with other TAs.
- TA will arrive early and well prepared for each lab
- TA will set up lab materials for students
- TA will accomplish any needed outside of lab responsibilities (grading, preparing quizzes, collecting additional materials)
- TA will offer respectful guidance and feedback for students

A = TA meets the above expectations

B = TA misses 1-2 of the expectations

C = TA misses 3-4 of the expectations

D, F Please, let's just not find out what this would look like

## BIOB 101: Lab Outline – section 01 (Mondays)

<u>Date</u>	<u>Lab Topic</u>	<u>Quiz/ Assignment due:</u>
8/26	<i>No Lab</i>	
9/2	<i>Labor Day Holiday</i>	
9/9	1. Intro; microscopes	
9/16	2. Cells	Quiz 1
9/23	3. Pondwater	Quiz 2; Notebook review
9/30	4. Diffusion & respiration	Quiz 3
10/7	5. Photosynthesis & Begin Experiment	Quiz 4
10/14	6. Cell division & genetics	Quiz 5
10/21	7. Experiment	Quiz 6
10/28	8. Evolution	Quiz 7
11/4	9. Microbes; conclude experiment	Quiz 8
11/11	<i>Veterans Day Holiday</i>	
11/18	10. Classification	Quiz 9; Report due
11/25	11. Ecology	Quiz 10; Notebooks due
12/2	12. Presentations	Quiz 11

## BIOB 101: Lab Outline – section 02 (Wednesdays)

<u>Date</u>	<u>Lab Topic</u>	<u>Quiz/ Assignment due:</u>
8/28	<i>No Lab</i>	
9/4	<i>No Lab</i>	
9/11	1. Intro; microscopes	
9/18	2. Cells	Quiz 1
9/25	3. Pondwater	Quiz 2; Notebook review
10/2	4. Diffusion & respiration	Quiz 3
10/9	5. Photosynthesis & Begin Experiment	Quiz 4
10/16	6. Cell division & genetics	Quiz 5
10/23	7. Experiment	Quiz 6
10/30	8. Evolution	Quiz 7
11/6	9. Microbes; conclude experiment	Quiz 8
11/13	10. Classification	Quiz 9; Report due
11/20	11. Ecology	Quiz 10; Notebooks due
11/27	<i>Thanksgiving Day Holiday</i>	
12/4	12. Presentations	Quiz 11