**BIOSCI 100 Survey of Zoology – SPRING 2019**

**Professor**
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Shaw Distinguished Professor of Biological Sciences

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Add in SUBJECT LINE: ZOO BioSci 100

**Office Hours**
Due to the off-campus office on D2L ➔ DROPBOX ➔ ASK YOUR PROF, or by appointment

**CONTENT**
This is a survey of the animal kingdom covering principles of biodiversity, including the origin, evolution, behavior, and ecology of animals. The course is intended for non-science majors with no science background other than high school biology. There are no prerequisites.

**STRUCTURE**

| 1 | READINGS | Parasite Rex (245 pp) by Carl Zimmer  
|   |          | Symbiotic Planet (128 pp) by Lynn Margulis | One quiz for each book @ 15 points each  
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<th>For a total of 30 points</th>
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| 2 | LECTURES | 30 Lectures  
|   |          | Tuesday & Thursday 10:00-10:50am, CHM190 | 3 Quizzes @ 10 points each  
|   |          |                                          | For a total of 30 points |
| 3 | LABORATORY | 12 Laboratories  
|   |          | Schedule see Syllabus in D2L CONTENT | 7 Quizzes and Midterm, Final Exams  
|   |          |                                          | For a total of 40 points |

**BOOKS**
We do not have an expensive zoology textbook! However, we will read two small books

[1] Parasite Rex by Carl Zimmer


For around $30 you can buy both books (see UWM Virtual Bookstore for rentals). These books are great texts on two important issues. HOME WORK: Get the books soon and start with Parasite Rex.

**LECTURES**
Every Tuesday and Thursday we will have a lecture on a topic that cannot be covert in a laboratory. We will ask questions, like: what is the essential difference between trees and animals? Why so many species of animals, and how did this number happen? What are the "Bauplans" of animals? Why are some animals social, and how did this come about? PDFs of the Lectures ➔ CONTENT.
LABORATORY
You will participate in a two-hour laboratory. There you will be in touch (literally) with animals and find out how they are structured. Details you will find in the Syllabus Lab → CONTENT.

QUIZZES re READINGS and LECTURES
All multiple-choice quizzes will be on-line in D2L with a time window open from Tuesday 6pm to Wednesday 11.30pm. FOR TIMING and TOPICS → QUIZZES in D2L.

GRADES AND CREDITS
The Readings quizzes carry 30% weight, Lectures quizzes 30% weight, and the Laboratory tests 40% of the final grade. Details see in the Syllabi of both in CONTENT.

OFFICE HOURS
My office and laboratory are located at the Global Water Center, 247 Freshwater Way, Milwaukee; too far for office hours. There is always a DROPBOX open where you can post your comments and questions in ASK YOUR PROF. You will get an answer within 24 hours. → DROPBOX.

NOTE
- This course WILL satisfy the natural science laboratory requirement in Biology for non-majors
- This course does NOT count as credit toward the major in Biological Sciences
- This course contains Reading, Lecture and Laboratory components
- You must pass all three components to pass the course
- Animal dissection (i.e. shellfish) is a major component of the laboratory portion of this course. All students are required to participate.
- If you do not wish to dissect animals, or you are allergic to shellfish you can take BioSci 102 or BioSci104 instead.
- Laboratory syllabus: download from D2L and take to first lab
- NO MAKE-UP QUIZZES WILL BE GIVEN FOR ANY REASON

COURSE WEBSITE: Materials for the course are available on a Desire to Learn (D2L) site. Access the D2L site from the UWM main webpage
On the D2L site for this course you will find PDFs (Note Taking Guides) for each lecture posted the day before lecture, and ALL the materials you need for lab.

For LAB you MUST download and print out ALL the material for each lab PRIOR to attending your lab section. There are no handouts for this course.

Lecture notes are an outline of the lecture material. They can be printed out prior to lecture and brought to lecture so that you can spend more time listening to the lecture and less time writing notes; or you can bring them on your laptop.

**ACCOMMODATIONS:** Special test taking accommodations can be arranged for students with certified special needs. Please inform instructor(s) [BOTH lecture and lab] early in the semester.

For information about **University Policies** go to the Secretary of the University Web site [http://www4.uwm.edu/secu/SyllabusLinks.pdf](http://www4.uwm.edu/secu/SyllabusLinks.pdf). This site contains the information on the following University policies: students with disabilities, religious observances, students called to active military duty, incomplete grades, discriminatory conduct, academic misconduct, complaint procedures, and grade appeal procedures. Information on the University Final Exam Policy can be found at [http://www4.uwm.edu/secu/docs/other/S22.htm](http://www4.uwm.edu/secu/docs/other/S22.htm).

**Success in this course is achieved by:**

1. attending lectures (all exam questions will come from lecture material and the two books)
2. reviewing notes often (after every lecture or every week)
3. reading the two books carefully
4. studying for exams
5. participate in every weekly laboratory and study the notes
6. **getting to know fellow students** (for comparing notes and study together)