## Welcome to BILB102! Principles of Biology II Lab



Dr. Kristen Brochu-De Luca Spring 2025

### Today we will cover...

- Course Description
- Lab Policies
- Grade Breakdown
- Other Policies
- For next week...



# **Course Description**

 In this course you will investigate micro- and macro-evolutionary principles, as well as current topics in environmental science, conservation, and sustainability. You will also learn to use dichotomous keys to identify a variety of organisms.

ASSESSMENT:	
Lab Reports	60%
Project	30%
Examination	<u>10%</u>
	100%

## **Course Learning Objectives**

- Apply appropriate safety protocols
- Identify the appropriate equipment and its use
- Classify organisms using identification keys
- Illustrate the morphology of fungi, plants, and animals
- Identify the tissues and systems of various organisms
- Assess the functioning of ecosystems

## Lab Policies

- Attendance is mandatory to submit lab reports
  - Missing >25% of sessions may result in failure
  - You may not be admitted if you are more than 15 minutes late
  - Notify me **asap** if you're sick
- Pay attention to any safety regulations that are discussed for a given lab
  - I will let you know in advance if you need to bring a lab coat and/or safety goggles
- Come prepared to **participate** in the day's activity
  - Make sure you have read any pre-lab instructions

## **Grading Policies**

- One week to submit lab reports
  - Due Sundays by 11:59pm
  - Grace days can submit 3 reports up to 3 days late
- Otherwise, late penalty of 10% per day up to **3 calendar days** 
  - To request an extension, email me one week prior to the due date
- Submit re-grading requests within one week of the grade posting
  - written rationale with specific reference to the assignment guidelines and grading rubric for the assignment

## Lab Reports (60%)

- Attendance (6%)
- Practical labs (8 x 3% + 2 x 10%)
  - Three formal lab reports at 10% each lowest grade dropped
  - Eight worksheets to be completed
- Diversity Log (10%)
  - Complete guidelines are available on Moodle
  - Keep a log of all the plants, animals, and fungi you observe this semester
    - Scientific and common name
    - When and where you saw it
    - Supporting documentation (photo or drawing)

## Project (30%)

- Report and Oral Presentation on a current issue in environmental science, conservation, or sustainability
  - Question Ideas (2%) due by Jan 23rd
  - Background Summary (3%) due by Feb 13th
  - Research Summary (4%) due by Mar 6<sup>th</sup>
  - Final Report (5%) due by Apr 3rd
  - Presentation (6%) on Apr 7<sup>th</sup>
  - Revision (10%)- due by Apr 17<sup>th</sup>
- Six grace days to use (excluding Presentation)
  - Can submit each component only up to three days late

## Lab Exam (10%)

- During the last lab (Apr 14<sup>th</sup>)
  - Written portion (questions based on lab reports throughout the semester)
  - Photo ID portion (recognition of photos of organisms)

### Resources



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Spring 2025 Spring 2025 Principles of Biology II ...



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# Moodle Course Pages

- BIOL102 & BILB102 will be administered on separate Moodle pages
  - Syllabi, Lecture & Lab Schedules, Lectures, Labs, Assignments, Scientific Papers, library resources
- It is YOUR responsibility to check the course web page regularly and often for course updates!!!

#### Textbook

 Urry L. A., Can M. L., Wasserman S. A., Minorsky P. V., & Reece J. B. (2017). *Campbell biology* (11<sup>th</sup> ed.). Pearson



### Communication & Help

- Classroom: Keva M. Bethel Building KMB1
- Office: Chemistry, Environmental, & Life Sciences Building G11-D
- Office hours:
  - Tuesday 12:00pm-2:00pm & Thursday 12:00pm-2:00pm
  - Email me to schedule an appointment if these times don't work for you
- Email: kristen.deluca@ub.edu.bs
- Anonymous Feedback Survey

#### University Centre for Counselling & Career Services

- Student Development Seminars
- Career & Placement Services
- **Campus Health Services** •
- Academic Counselling
- Individual and Group • Counselling
- Higher Education Information Referral/Consultation

- Peer Tutoring
- **On-Campus Job and College** Recruitment
- University Transfer Seminars •
- Anger Management ٠ Seminars
- Crisis Intervention •

#### https://www.ub.edu.bs/student-life/counselling-services/

#### Office of Disabilities & Compliance

In accordance with the Persons with Disabilities Act (2014), The University of The Bahamas is committed to the protection of rights for all students. It will make efforts to ensure that all students with disabilities can participate in all aspects of university life on equal terms with other students.

Students should consult the **Student Affairs Disability Unit (Portia Smith, 3<sup>rd</sup> floor)** for information regarding eligibility and accommodation.

> Ms. Sasha D. Anderson Disabilities and Compliance Officer 242-302-4453 sasha.anderson@ub.edu.bs

#### Attendance

"Students must be registered for classes they wish to attend. Students are not allowed to attend classes for which they have not registered; students whose names do not appear on class lists are to contact the Records Department immediately. **Students are expected to attend all classes. Failure to attend all classes could negatively affect the final grade or even result in an F.** Students should notify their instructor as soon as possible if, for some reason beyond their control, they are unable to attend a class."

#### For more information please see: Page 20 of the UB Student Handbook

https://www.ub.edu.bs/wp-content/uploads/2018/08/Student-Handbook-2018-2019-Draft.pdf

#### COVID-19

- In person classes may be cancelled at short notice and moved online throughout the semester as conditions warrant
- Our health comes first! → If you are feeling sick DO NOT come to class! Inform me immediately!
- Consult Moodle course page regularly and often for updates on class status. Be prepared to receive Moodle messages from me 24 hours (or less) before class

### **Academic Integrity**

Intellectual integrity is the foundation on which The University rests. Intellectual dishonesty, for example, cheating, using another person's work without acknowledging the source, submitting work done by another, etc. is not tolerated. Acts of academic dishonesty could result in an "F" for the assignment/examination; an "F" for the course; and suspension or expulsion from The University."

For more information please see: Page 22 of the UB Student Handbook

https://www.ub.edu.bs/wp-content/uploads/2018/08/Student-Handbook-2018-2019-Draft.pdf

### **Academic Integrity**

- Most assessments are open book, but NOT open internet
- Don't copy from others, slides, the textbook or the internet your answers need to be in your own words!
  - Don't use private services such as ChatGPT, essay and exam-writing, websites providing model answers etc.
- Your courses contain the intellectual property of the instructor, previous instructors, and the University of the Bahamas
  - You do NOT have the right to post ANY course materials, including your papers and assignments, to any websites nor to sell them, without explicit written permission from the course instructor
- If you feel overwhelmed seek help, get in touch with me & use other services the university provides
- Come see me if you're unsure!

### **Academic Integrity**

- Why is this so important anyway?
  - Intellectual work is not the same as traditional work
    - Your ideas are the output how do you ensure people know their value?
  - Correctly attributing ideas helps us to trust the contributions that we all make to the greater body of knowledge
  - Scientific publishing allows us to verify and respect the value of each other's intellectual work

# **Tips for Success**

#### Successful learners are **mindful** about their learning

- Use metacognitive techniques to plan, monitor, & evaluate your studying & learning:
  - "What am I doing now?," "Is it helpful?," "What else could I be doing instead that would help me more?"
  - Having read this week's readings, what do I feel confident about and what don't I understand? How might I get this confusion cleared up?
  - How am I studying for this test? Is it effective? If not, how can I change what I'm doing to better understand this material?
  - Why are we doing this assignment? What is my approach to solving the problems we have been assigned? What am I finding most difficult about it? What resources could I use to make this easier for me?

- Set yourself up for success: create a good study environment
  - Try to study in an area that is free from distractions
  - Set measurable goals for your study sessions
  - Try to study multiple topics in each study session rather than focusing on just one at a time
  - Break your study sessions into chunks, each with their own goals.
    Don't forget to take short breaks in longer study sessions
  - Get enough sleep each night
  - Try to simulate a test-like environment while doing practice problems

- Keep up on readings, & revisit your notes regularly
  - Learn how to use your textbook effectively!
  - Pay attention to: figures, key concepts, threads b/w other chapters/topics, overview/chapter review
  - Use point form
  - Look up words you don't know!
- Focus on learning objectives (LOs)
  - How do the main topics relate to the LOs?
  - How does each example support the main topic?

- Use hierarchical order for your notes
  - E.g., Dr. Brochu-De Luca stressed the importance of:
    - Attending live sessions
    - Reading the textbook efficiently
      - 1<sup>st</sup> read Key Concepts, Overview, Chapter Review
      - Take point/short form notes use OWN words!
        - » Don't take notes verbatim waste of time
      - Look up words you don't know in Glossary
      - Read Figures: walk through figure; follow the process
        - » Add info from text/lecture to fig's
    - Studying in groups
      - Why? Proven to be more effective than on own

- Use the right tools: try different methods of studying for different types of knowledge
  - When reviewing your notes, write a short paragraph summarizing the topic and its main points in your own words
  - Create flashcards for any definitions that were given or other items that require memorization
  - Use your summaries to create concept maps for how the topics we cover are related to each other.
  - Go over practice questions & examples without referring to notes
  - Try to develop your own exam questions for the concepts we talk about in class – exchange these with a study buddy for maximum benefits!

- Don't go it alone: get help when you need it!
  - Create a study group with similarly motivated students
  - Explain or summarize key concepts for your study buddy
  - Compare your summaries and concept maps to those of your study buddy
  - Ask questions on the Discussion Forums
  - Go to office hours that's what I'm here for!
  - Check out the resources in the library

## For next class...

- Check that you can access the Moodle Course Page!
- Make sure you're familiar with the lab policies and grading breakdown.
- Get yourself a lab notebook (optional).
- Start thinking about your project topic! (And find a partner to work with!)

I'm looking forward to a wonderful semester with you all!