BIOL 1132 Environmental Science Lab
Spring 2022

Lab Coordinator | Dr. Jaime Baxter-Slye
she/her/hers
When & how are we meeting?

Weekly Lab Meetings see schedule ENV 234

Office Hours
See schedule
In person, via Zoom, or by appointment

Contact via Email see TA email
Frequent Misunderstandings

- **BIOL1132 consists of a lecture and a lab**
  - These are separate classes, each with unique professor/TA, meeting time, and meeting location
  - *We can only answer questions about the lab. See your schedule for lecture information*

- Lab is **mandatory**

- There are points for **participating** in lab

- **If you are ill, do not come to lab** - Contact your TA
  - We can work with you to make up labs, **but not if you wait too long**

- You must buy a **new** lab manual
UNT COVID Statement

Face Coverings
UNT encourages everyone to wear a face covering when indoors, regardless of vaccination status, to protect yourself and others from COVID infection, as recommended by current CDC guidelines. Face covering guidelines could change based on community health conditions.

Attendance
Students are expected to attend class meetings regularly and to abide by the attendance policy established for the course. It is important that you communicate with the professor and the instructional team prior to being absent, so you, the professor, and the instructional team can discuss and mitigate the impact of the absence on your attainment of course learning goals. Please inform the professor and instructional team if you are unable to attend class meetings because you are ill, in mindfulness of the health and safety of everyone in our community.

If you are experiencing any symptoms of COVID-19 (https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html) please seek medical attention from the Student Health and Wellness Center (940-565-2333 or askSHWC@unt.edu) or your health care provider PRIOR to coming to campus. UNT also requires you to contact the UNT COVID Team at COVID@unt.edu for guidance on actions to take due to symptoms, pending or positive test results, or potential exposure.

As of Jan. 1, 2022, all students, faculty and staff reporting their own positive COVID-19 status to UNT’s Contact Tracing team at COVID@unt.edu will need to upload their results unless they tested on campus in order to have an excused absence (on-campus testing results are automatically shared with UNT).
Welcome to UNT!

- As members of the UNT community, we have all made a commitment to be part of an institution that respects and values the identities of the students and employees with whom we interact. UNT does not tolerate identity-based discrimination, harassment, and retaliation. UNT’s full Non-Discrimination Policy can be found in the UNT Policies section of the syllabus.

- In addition, sometimes in Environmental Science labs we may not agree on certain issues. However, we must refrain from using insulting, degrading, disrespectful, or offensive terms and language when discussing topics or ideas either in-person, in written assignments, or in my group work settings. Failure to do so may result in a point deduction due to lack of effective participation.
Rules of Engagement

Rules of engagement refer to the way students are expected to interact with each other and their instructors. Here are some general guidelines:

• While the freedom to express yourself is a fundamental human right, any communication that utilizes cruel and derogatory language on the basis of race, color, national origin, religion, sex, sexual orientation, gender identity, gender expression, age, disability, genetic information, veteran status, or any other characteristic protected under applicable federal or state law will not be tolerated.

• Treat your instructor and classmates with respect in any communication online or face-to-face, even when their opinion differs from your own.

• Ask for and use the correct name and pronouns for your instructor and classmates.

• Speak from personal experiences. Use “I” statements to share thoughts and feelings. Try not to speak on behalf of groups or other individual’s experiences.

• Use your critical thinking skills to challenge other people’s ideas, instead of attacking individuals.

• Avoid using all caps while communicating digitally. This may be interpreted as “YELLING!”

• Be cautious when using humor or sarcasm in emails or discussion posts as tone can be difficult to interpret digitally.

• Avoid using “text-talk” unless explicitly permitted by your instructor.

• Proofread and fact-check your sources.

• Keep in mind that online posts can be permanent, so think first before you type.

• See these Engagement Guidelines (https://clear.unt.edu/online-communication-tips) for more information.
The Basics

- BIOL 1132 does not have pre-requisites.
- You must be enrolled in the lecture portion as well.
- This course is in-person for the duration of the semester.
- We will provide materials in CANVAS in modules for each week.
- Part of working in the online environment involves dealing with the inconveniences and frustration that can arise when technology breaks down or does not perform as expected. Here at UNT we have a Student Help Desk that you can contact for help with Canvas or other technology issues.

UNT IT Help Desk
- Email: helpdesk@unt.edu
- Live Chat: https://it.unt.edu/helpdesk/chatsupport
- Phone: 940-565-2324
- In Person: Sage Hall, Room 330
- Hours and Availability: Visit https://it.unt.edu/helpdesk for up-to-date hours and availability

For additional support, visit Canvas Technical Help (https://community.canvaslms.com/docs/DOC-10554-4212710328)
What supplies do I need?

Lab Manual

It is mandatory for each student to purchase the latest version (Baxter-Slye 2019) of the lab manual

* Old or used lab manuals are **NOT** accepted

* Using an old manual with pre-filled information is cheating and will result in a zero for any assignment that uploads previous semester’s data and answers

* There is no e-book version and we are not currently using the e-book version

* Hard copies are needed to be used in lab in person


* Manuals may be purchased at the UNT Bookstore on campus
What supplies do I need?
Lab Safety Goggles

*Anytime you are handling a chemical in this lab, you must have safety goggles on

*Due to COVID, we strongly recommend buying your own at the UNT Bookstore for $4.98

*Otherwise, we have some that may be cleaned prior to use
What are the objectives of the lab?

Offer experiences to enhance your understanding of the concepts covered in lecture. When practical, the laboratory exercises will correspond with the current topic being covered in your lecture, although this may not always be feasible.

OBJECTIVES

1) Basic principles of ecology and environmental science

2) How scientists' study environmental science problems and test hypotheses using the scientific method using a hands-on approach

3) Gain the ability to logically and intellectually contribute to current issues related to the environment as an informed citizen for future voting, conversations, and general lifestyle practices in regard to the world around you
How will I be graded?

**IMPORTANT**

The lab is worth 30% of your final overall grade for the Env Sci BIOL 1132 course.

You must pass both lecture and lab independently to pass the course!!

For the lab, a 60% or better is passing. ≤59.4% is rounded to ≤59 and *not* passing.

Calculating your grade reported to lecture professor:

\[(\text{total points} - \text{lowest quiz and lab}/670) \times 100 = X\%\]

*Round to nearest whole number

e.g., 80.4 = 80; 80.5 = 81; 80.44 = 80; 80.45 = 81

<table>
<thead>
<tr>
<th>Item</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Syllabus agreement</td>
<td>10</td>
</tr>
<tr>
<td>Introduction discussion</td>
<td>30</td>
</tr>
<tr>
<td>Weekly quiz</td>
<td>8 x 10 = 80</td>
</tr>
<tr>
<td>Weekly participation</td>
<td>8 x 30 = 240</td>
</tr>
<tr>
<td>Exams</td>
<td>2 x 100 = 200</td>
</tr>
<tr>
<td>Group Project Outline and Responsibility Form</td>
<td>30</td>
</tr>
<tr>
<td>Group Presentation</td>
<td>100</td>
</tr>
<tr>
<td>Peer Review for Group Project</td>
<td>20; with the possibility of lower points awarded for this item, plus presentation</td>
</tr>
<tr>
<td>Total Possible Points</td>
<td>710; with lowest quiz and participation dropped resulting in a total of 670 points</td>
</tr>
</tbody>
</table>
How can discuss my grades with my TA?

The Family Educational Rights and Privacy Act (FERPA) (1974), does not permit faculty or staff to report grades by phone or email. In addition, per University policy, grades cannot be posted.

*Do not request any information from your TA about grades unless it is in person or via Zoom.*
When will we have exams?

Midterm 3/7 and Final 4/25
(cumulative)
Material covered will be taken from the lab manual, videos, weekly assignments, and quizzes

Once you begin the exam, you will have the entire lab time to complete the exam.

Exams can only be made up if you have a school approved reason for missing an exam (e.g., approved UNT activity, sick or family emergency/death)
If you miss an exam you will be required to provide documentation and the exam should be made up during the same week
If you fail to communicate with your TA in a prompt manner (i.e., the day of the exam), you will not be allowed to make up the exam
Long-term absences need to be addressed with the Dean of Students
Weekly Quizzes & Assignments

***IMPORTANT!
LABS DO NOT ALWAYS CORRESPOND TO THE ORDER IN THE MANUAL

A CANVAS module has been created for each week, covering 8 lab concepts – you will find instructions and resources in each module.

There will be a quiz that covers the preparatory background reading for that week's lab.

Quizzes are online and are due midnight prior to the day of your lab section.
Weekly Quizzes & Assignments

8 Quizzes
8 short quizzes worth 10 points each (80 total)
You will have 1 attempt of 5 minutes to take each quiz
You should read/view any material for the quiz ahead of time

8 Assignments
8 labs worth 30 points each (240 total)
Your TA will use your lab manual and active participation to award points for each lab. During each lab, students should actively participate by filling out their lab manual and providing assistance during experiments. If students are not actively participating, a reduction in points will occur.
Dropping the lowest grades

The lowest quiz grade and the lowest weekly participation grade will be dropped.

Grades will be dropped automatically.
Will there be attendance grades?

No, however there will be participation grades.

In the event you miss a lab, you can either drop that grade, or make up the lab with your TA in office hours.
The University of North Texas makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with an accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request accommodations at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of accommodation for every semester and must meet with each faculty member prior to implementation in each class. For additional information see the Office of Disability Accommodation website at http://www.unt.edu/oda. You may also contact them by phone at 940.565.4323.”
BIOL 1132 labs have a zero-tolerance policy for scholastic dishonesty including:

- Copying students data and answers.
- Turning in used lab manual worksheets.
- Taking quizzes together.
- Taking exams together.
- Providing answers to another student.
- Plagiarizing on group projects.

The term ‘plagiarism’ includes, but is not limited to:

- The knowing or negligent use by paraphrase or direct quotation of the published or unpublished work of another person without full and clear acknowledgment;
- The knowing or negligent unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.
  Examples: copying word for word or even a phrase from a publication, including web pages, without placing quotes around the phrase and citing the source.

- If we suspect you of cheating, an email will be sent to you.
  A zero for the assignment will be given and may remain in place.
  And, you may be reported to the Dean of Students and fail the entire BIOL1132 course, including lecture.
How to succeed in this class

- **Read**: Read the lab manual as required before taking the quiz
- **Participate**: Participate in the weekly lab meetings
- **Ask**: Ask questions if you don’t understand
- **Complete**: Review weekly lab concepts and study for the mid-term and final exams.
- **Group Work**: Work effectively with your group.
- **Communicate**: If you have an emergency, let me know (sooner than later)!
<table>
<thead>
<tr>
<th>Week of</th>
<th>Items</th>
<th>Points</th>
</tr>
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<tbody>
<tr>
<td>January 17th</td>
<td>Labs will not meet during the first week of school</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Purchase a NEW laboratory manual by week of 1/24</td>
<td></td>
</tr>
<tr>
<td>January 24th</td>
<td><strong>Welcome!</strong>&lt;br&gt;<strong>Introductions, Syllabus, Safety, and Group Organization</strong>&lt;br&gt;pg. 1-3 in manual</td>
<td>Welcome Discussion = 30&lt;br&gt;*Due by the next lab period</td>
</tr>
<tr>
<td></td>
<td>Introduction Module: Introduction discussion, syllabus agreement</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Group Project: Details provided</td>
<td>Syllabus agreement = 10 points&lt;br&gt;*Must complete prior to attending future labs</td>
</tr>
<tr>
<td></td>
<td>*Meet with group to work on the Group Outline &amp; Responsibility Form</td>
<td></td>
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<tr>
<td></td>
<td>Turn in Outline and Responsibility Form at your lab time the week of 2/14</td>
<td></td>
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<tr>
<td>January 31st</td>
<td><strong>Environmental Ethics and Scientific Method</strong>&lt;br&gt;<strong>Dr. Doug Tallamy's “Bringing Nature Home”</strong>&lt;br&gt;Quiz over background reading pg. 5-7</td>
<td>Quiz = 10&lt;br&gt;Participation = 30</td>
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<tr>
<td>Week of</td>
<td>Items</td>
<td>Points</td>
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| February 7th | **Trophic Transfer of Energy Part 1: Photosynthesis and Producers**  
              Quiz over background reading pg. 15-18 in manual                   | Quiz = 10                  |
|           |                                                                      | Participation = 30          |
| February 14th | **Trophic Transfer of Energy Part 2: Consumers**  
                   Quiz over background reading pg. 31 – Figure 4.1 on pg. 33        | Group responsibility form = 30 |
|           |                                                                      | Quiz = 10                  |
|           |                                                                      | Participation = 30          |
|           | Group Project Outline and Responsibility Form due by lab time this week  
                   Turn in on the CANVAS assignment link under the Group Project module |                             |
| February 21st | **Water Pollution and Conservation**  
                     Quiz over background reading pg. 43 - 46                           | Quiz = 10                  |
|           |                                                                      | Participation = 30          |
| February 28th | **Aquatic Ecological Assessment and Trophic Transfer of Contaminants**  
                     Quiz over background reading pg. 55 – 56                           | Quiz = 10                  |
<p>|           |                                                                      | Participation = 30          |
|           | Discuss midterm review and post on CANVAS in the Midterm module       |                             |
| March 7th | <strong>Midterm Exam</strong>                                                       | 100                         |</p>
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<thead>
<tr>
<th>Week of</th>
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<th>Points</th>
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<tbody>
<tr>
<td>March 14th</td>
<td>Spring Break</td>
<td>0</td>
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<tr>
<td></td>
<td>No Labs</td>
<td></td>
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<tr>
<td>March 21st</td>
<td>Group Project Workday</td>
<td>0</td>
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<tr>
<td>March 28th</td>
<td>Land Use, Conservation, and Resource Management</td>
<td></td>
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<tr>
<td></td>
<td>Quiz over background reading pg. 65-67 in manual</td>
<td>Quiz = 10</td>
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<tr>
<td>April 4th</td>
<td>The Pollinative Prairie Field Trip</td>
<td></td>
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<tr>
<td></td>
<td>*See module for directions on how to arrive on time!</td>
<td>Quiz = 10</td>
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<tr>
<td></td>
<td>Quiz over background reading pg. 75 – 82</td>
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<tr>
<td>April 11th</td>
<td>Understanding Global Climate Change</td>
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<tr>
<td></td>
<td>Quiz over background reading pg. 87 - 89</td>
<td>Quiz = 10</td>
</tr>
<tr>
<td>April 18th</td>
<td>Group Presentations</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Discuss final review and post on CANVAS in the Final module</td>
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<tr>
<td>April 25th</td>
<td>Semi-cumulative Final Exam</td>
<td>100</td>
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Academic Integrity Policy

Academic Integrity Standards and Consequences. According to UNT Policy 06.003, Student Academic Integrity, academic dishonesty occurs when students engage in behaviors including, but not limited to cheating, fabrication, facilitating academic dishonesty, forgery, plagiarism, and sabotage. A finding of academic dishonesty may result in a range of academic penalties or sanctions ranging from admonition to expulsion from the University. [Insert specific sanction or academic penalty for specific academic integrity violation.]

ADA Policy

UNT makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide a student with an accommodation letter to be delivered to faculty to begin a private discussion regarding one’s specific course needs. Students may request accommodations at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of accommodation for every semester and must meet with each faculty member prior to implementation in each class. For additional information see the ODA website (https://disability.unt.edu/).

Prohibition of Discrimination, Harassment, and Retaliation (Policy 16.004)

The University of North Texas (UNT) prohibits discrimination and harassment because of race, color, national origin, religion, sex, sexual orientation, gender identity, gender expression, age, disability, genetic information, veteran status, or any other characteristic protected under applicable federal or state law in its application and admission processes; educational programs and activities; employment policies, procedures, and processes; and university facilities. The University takes active measures to prevent such conduct and investigates and takes remedial action when appropriate.

Emergency Notification & Procedures

UNT uses a system called Eagle Alert to quickly notify students with critical information in the event of an emergency (i.e., severe weather, campus closing, and health and public safety emergencies like chemical spills, fires, or violence). In the event of a university closure, please refer to Canvas for contingency plans for covering course materials.

Retention of Student Records

Student records pertaining to this course are maintained in a secure location by the instructor of record. All records such as exams, answer sheets (with keys), and written papers submitted during the duration of the course are kept for at least one calendar year after course completion. Course work completed via the Canvas online system, including grading information and comments, is also stored in a safe electronic environment for one year. Students have the right to view their individual record; however, information about student’s records will not be divulged to other individuals without proper written consent. Students are encouraged to review the Public Information Policy and the Family Educational Rights and Privacy Act (FERPA) laws and the University’s policy. See UNT Policy 10.10, Records Management and Retention for additional information.
UNT Policy

Acceptable Student Behavior
Student behavior that interferes with an instructor’s ability to conduct a class or other students’ opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. Students engaging in unacceptable behavior will be directed to leave the classroom and the instructor may refer the student to the Dean of Students to consider whether the student's conduct violated the Code of Student Conduct. The University's expectations for student conduct apply to all instructional forums, including University and electronic classroom, labs, discussion groups, field trips, etc. Visit UNT’s Code of Student Conduct (https://deanofstudents.unt.edu/conduct) to learn more.

Access to Information - Eagle Connect
Students’ access point for business and academic services at UNT is located at: my.unt.edu. All official communication from the University will be delivered to a student’s Eagle Connect account. For more information, please visit the website that explains Eagle Connect and how to forward e-mail Eagle Connect (https://it.unt.edu/eagleconnect).

Student Evaluation Administration Dates
Student feedback is important and an essential part of participation in this course. The student evaluation of instruction is a requirement for all organized classes at UNT. The survey will be made available during weeks 13, 14 and 15 of the long semesters to provide students with an opportunity to evaluate how this course is taught. Students will receive an email from "UNT SPOT Course Evaluations via IASystem Notification" (no-reply@iasystem.org) with the survey link. Students should look for the email in their UNT email inbox. Simply click on the link and complete the survey. Once students complete the survey they will receive a confirmation email that the survey has been submitted. For additional information, please visit the SPOT website (http://spot.unt.edu/) or email spot@unt.edu.

Survivor Advocacy
UNT is committed to providing a safe learning environment free of all forms of sexual misconduct. Federal laws and UNT policies prohibit discrimination on the basis of sex as well as sexual misconduct. If you or someone you know is experiencing sexual harassment, relationship violence, stalking and/or sexual assault, there are campus resources available to provide support and assistance. The Survivor Advocates can be reached at SurvivorAdvocate@unt.edu or by calling the Dean of Students Office at 940-5652648.
AddiJional UNT Services

Academic Support & Student Services

Student Support Services

Mental Health
UNT provides mental health resources to students to help ensure there are numerous outlets to turn to that wholeheartedly care for and are there for students in need, regardless of the nature of an issue or its severity. Listed below are several resources on campus that can support your academic success and mental well-being:

- Counseling and Testing Services ([https://studentaffairs.unt.edu/counseling-and-testing-services](https://studentaffairs.unt.edu/counseling-and-testing-services))
- UNT Care Team ([https://studentaffairs.unt.edu/care](https://studentaffairs.unt.edu/care))
- Individual Counseling ([https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling](https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling))

Chosen Names
A chosen name is a name that a person goes by that may or may not match their legal name. If you have a chosen name that is different from your legal name and would like that to be used in class, please let the instructor know. Below is a list of resources for updating your chosen name at UNT.

- UNT Records
- UNT ID Card
- UNT Email Address
- Legal Name

*UNT euIDs cannot be changed at this time. The collaborating offices are working on a process to make this option accessible to UNT community members.*
**Pronouns**

Pronouns (she/her, they/them, he/him, etc.) are a public way for people to address you, much like your name, and can be shared with a name when making an introduction, both virtually and in-person. Just as we ask and don’t assume someone’s name, we should also ask and not assume someone’s pronouns.

- You can add your pronouns to your Canvas account so that they follow your name when posting to discussion boards, submitting assignments, etc.
- Below is a list of additional resources regarding pronouns and their usage:
  - What are pronouns and why are they important?
  - How do I use pronouns?
  - How do I share my pronouns?
  - How do I ask for another person’s pronouns?
  - How do I correct myself or others when the wrong pronoun is used?
Additional UNT Resources

**Additional Student Support Services**
- Registrar ([https://registrar.unt.edu/registration](https://registrar.unt.edu/registration))
- Financial Aid ([https://financialaid.unt.edu/](https://financialaid.unt.edu/))
- Student Legal Services ([https://studentaffairs.unt.edu/student-legal-services](https://studentaffairs.unt.edu/student-legal-services))
- Career Center ([https://studentaffairs.unt.edu/career-center](https://studentaffairs.unt.edu/career-center))
- Multicultural Center ([https://edo.unt.edu/multicultural-center](https://edo.unt.edu/multicultural-center))
- Counseling and Testing Services ([https://studentaffairs.unt.edu/counseling-and-testing-services](https://studentaffairs.unt.edu/counseling-and-testing-services))
- Pride Alliance ([https://edo.unt.edu/pridealliance](https://edo.unt.edu/pridealliance))
- UNT Food Pantry ([https://deanofstudents.unt.edu/resources/food-pantry](https://deanofstudents.unt.edu/resources/food-pantry))

**Academic Support Services**
- Academic Resource Center ([https://clear.unt.edu/canvas/student-resources](https://clear.unt.edu/canvas/student-resources))
- Academic Success Center ([https://success.unt.edu/asc](https://success.unt.edu/asc))
- UNT Libraries ([https://library.unt.edu/](https://library.unt.edu/))
- Writing Lab ([http://writingcenter.unt.edu/](http://writingcenter.unt.edu/))