BIOL 125, Section 101

Biology for Science Majors II (3 credits)

2025W T2 (spring 2026)

section 101: TTh 2:00pm-3:20pm PST, COM 201

The UBC Okanagan campus is situated on the traditional, ancestral and unceded territory of the Syilx Okanagan Nation and their peoples, who have used this site for millennia to pass on in their culture, history, and traditions from one generation to the next. The relationship between the Syilx Okanagan Nation and UBC Okanagan is an important part of our institution's history, and it's important to respectfully acknowledge that. For more information please see: https://ok.ubc.ca/about/indigenous-engagement/

Instructor:
Dr. Matthew K Nelson
SCI 160
Phone: 250-807-9683
matthew.nelson@ubc.ca
website: http://www.natureboy.com
Office Hours: 11am-1pm TTh

Laboratory Coordinator/Instructor:
Name: Tristyn Hay
tristyn.hay@ubc.ca

Course Description:

BIOL 125 (3 credits) (Biology for Science Majors II)

Continuation of BIOL 116. Introduction to biological concepts necessary for second-year biology. Physiology of reproduction, gas exchange, inter-organ transport, inter-organ coordination in plants and animals, and excretion and movement in animals. Ecosystem, population, community, and behavioural ecology are discussed. Credit will not be granted for both BIOL 116/125 and BIOL 117/122. [3- 3-0]
Prerequisite: BIOL 116
Corequisite: One of CHEM 113, CHEM 123 is recommended.

Course Objectives:

This is the second of a pair of first year Biology courses for Science majors. The objectives of this pair of courses are:

- To prepare students for upper-level biology classes by introducing the basic concepts underlying ecology, genetics, physiology, and cell function. Evolutionary theory will be a unifying theme.
- To provide students with a basic knowledge of the physiology, ecology, and taxonomy of plants, animals, and microorganisms.
- To familiarize students, through discussion and experience, with the process of scientific inquiry, hypothesis testing, and methods for dealing with biological variability.

Topics: Systematics/Trees, Tree of Life, Plant form and function, Transport in plants/nutrition, Plant sensory, Plant reproduction, Tree of Life 2 (Animals), Protostomes/deuterostomes, Animal form and function, Water and Osmoregulation, Animal nutrition, Gas exchange and circulation, Reproduction, Immune system, Ecology, Population ecology, Behavioral ecology

Course Learning Outcomes:

Upon successful completion of this course, students will be able to:

1. Construct an evolutionary tree using parsimony, interpret its meaning, and describe the major branches of the evolutionary tree of life, including key groups' origin, diversity, and adaptations.
2. Demonstrate an understanding of the structure, function and growth processes of plants including:
   2.1. tissue and cell types
   2.2. nutrient and water distribution
   2.3. hormonal regulation
   2.4. alternation of generations
   2.5. reproduction in flowering plants
3. Analyze the mechanisms of water/osmoregulation and thermoregulation by labeling the anatomy of organs involved and explaining their function in maintaining homeostasis in organisms.
4. Compare and contrast the anatomy and physiological processes of thermoregulation, osmoregulation, digestion, gas exchange, circulation, reproduction, and the immune system across different organisms.
5. Summarize the process of digestion by identifying the enzymes involved and their site of production, location of function, and the specific substrates they break down.
6. Explain how the key processes (osmoregulation, gas exchange, nutrition) in plants and animals are regulated by analyzing the relationship between surface area to volume ratio and its impact on efficiency in these processes.
7. Analyze a given scenario to determine the most advantageous mode of reproduction (sexual, asexual, or alternating between both) and explain the complexities and ecological factors influencing reproductive strategies in different environments.
8. Explain how the immune system adapts to past and future threats, emphasizing the role of immunological memory, innate immunity, various immune cells, antigens, and the body's response to secure protection.
9. Describe the interaction between organisms in ecosystems, including trophic levels, population growth, and factors influencing population dynamics such as immigration, emigration, foraging, reproduction and communication.

Course Format:

BIOL 125 has both a lecture and laboratory component. *Students must pass both components to pass the course*. In order to be successful, I would recommend that you read the material first, and take a few notes. (Basically outline the chapter and make sure you know the words in bold.) When you attend lecture, use your chapter outline and take notes. Then, when it is time to study for the exam, study your notes. (I would not go back and re-read the chapter.)

On Canvas, the home page for the course will have links to most of the important material for the course,

including modules, lecture recordings, practice quizzes, and review sheets. You may notice that some material is linked to http://www.natureboy.com, which is my website. Material on Canvas will be updated as we go, so you will need to be sure that you are looking at it often. If I need to communicate with you, I will do so using announcements on Canvas, so be sure that you have it set to send you these as emails.

Laboratory Meeting times (see course schedule):

Note: Attendance at labs is mandatory unless there is a valid medical or compassionate reason. Students who are late and miss the introductory lecture without a valid excuse will not be allowed into the lab, and will receive a mark of zero for that laboratory assignment. Students must pass both the lecture and laboratory part of a course to pass the course; please refer to the Repeat Course Policy.

Required Materials:

Text: *Biological Science,* Freeman, Harrington, & Sharp. 4th Canadian edition
Website: http://www.natureboy.com
official class calendar: http://canvas.ubc.ca

Course Evaluation:

Midterm #1	20%	feb 10
Midterm #2	20%	mar 17
Laboratory	30%	
Final	30%	**TBA**
Total	100%	

Final grades will be based on the evaluations listed above and the final grade will be assigned according to the standardized grading system outlined in the UBC Okanagan Calendar. **I will not change the weighting of components just because you didn't do well on one of them.**

EXAM FORMAT:

The exams for this course will be given in-person, on-campus, in COM-201. They will consist of mostly multiple choice questions, with perhaps a few fill in the blank, and perhaps one or two short answer.

The final exam will be approximately 60-70% new material, and 30-40% cumulative material.

Academic Integrity:

The academic enterprise is founded on honesty, civility, and integrity. As members of this enterprise, all students are expected to know, understand, and follow the codes of conduct regarding academic integrity. At the most basic level, this means submitting only original work done by you and acknowledging all sources of information or ideas and attributing them to others as required. This also means you should not cheat, copy, or mislead others about what is your work. Violations of academic integrity (i.e., misconduct) lead to the break-down of the academic enterprise, and therefore serious consequences arise and harsh

sanctions are imposed. For example, incidences of plagiarism or cheating may result in a mark of zero on the assignment or exam and more serious consequences may apply if the matter is referred to the President's Advisory Committee on Student Discipline. Careful records are kept in order to monitor and prevent recurrences. A more detailed description of academic integrity, including the policies and procedures, may be found at:
http://okanagan.students.ubc.ca/calendar/index.cfm?tree=3,54,111,0
If you have any questions about how academic integrity applies to this course, please consult with your professor.

Missed Assignments and Exams:

From UBC Okanagan Academic Calendar/Policies and Regulations/Academic Concession:

> "Students who, because of unforeseen events, are absent during the term and are unable to complete tests or other graded work, should normally discuss with their instructors how they can make up for missed work, according to **written guidelines given to them at the start of the course**. Instructors are not required to make allowance for any missed test or incomplete work that is not satisfactorily accounted for. If ill health is an issue, students are encouraged to seek attention from a health professional. Campus Health and Counseling will normally provide documentation only to students who have been seen previously at these offices for treatment or counseling specific to conditions associated with their academic difficulties. Students who feel that requests for consideration have not been dealt with fairly by their instructors may take their concerns first to the Head of the discipline, and if not resolved, to the Office of the Dean. Further information can be found at: http://www.calendar.ubc.ca/okanagan/index.cfm?tree=3,48,0,0.

Guidelines for BIOL 125: Students are responsible for attending (or viewing) all lectures, labs, and are responsible for completing all assignments and examinations. If you know that you will be absent for any component of the course for which you will be evaluated you MUST make arrangements with the instructor prior to your absence. If you are absent due to unforeseen circumstances you MUST see the instructor immediately upon your return to determine if arrangements can be made to make up any missed assignments or tests. Students may be excused from scheduled exams only with a physician's certificate verifying illness or other supporting documents for a compassionate leave. If a student is unable to complete a midterm examination for a good and verifiable reason, it may be possible for the comprehensive final to be increased in value accordingly. YOU NEED TO COME SEE ME TO DISCUSS.

STUDENT RESPONSIBILITIES

A. Familiarize yourself with the course syllabus
B. Attend class regularly. I will not take attendance, but if you do not show up for class, I will have no sympathy when you fail the tests.
C. Assume responsibility for your own learning
D. Adhere strictly to standards of academic honesty
E. Show respect for instructor and fellow students at all times

Repeat Course Policy:

Students who fail either the lecture or lab portion of [BIOL/BIOC XXX], receive a 49% as their final grade, and will be required to repeat the course in order to receive credit. Students who wish to repeat the course for a more favorable grade, or a student who wishes to repeat the failed portion of the course may do so, if, and only if, the following requirements are met:

- If the student failed the laboratory portion of the course, but achieved a grade of at least C (60%) in the lecture portion of the course, the student may opt to repeat only the laboratory portion.
- If the student failed the lecture portion of the course, but achieved a grade of at least C (60%) in the laboratory portion of the course, the student may opt to repeat only the lecture portion.
- The course must be taken again within two years of the term in which the student was originally enrolled in the course (e.g., if the course was originally taken in the Fall term of 2021, the last possible term in which the student can repeat the course is Fall of 2023).
- In situations where the weighting of the lab/lecture component changes from year to year (e.g., 30% lab, 70% lecture in one year; 40% lab, 60% lecture in another year), it will be at the discretion of the instructor teaching the course the second time to decide the weighting in the calculation of the new grade.
- The student must complete the "Repeat Course" form, which can be found on the Biology Dept Resources page on their website. The form must be returned to the Department Assistant in SCI 154, or by email to biology.okanagan@ubc.ca by the add/drop deadline.

Please note that the university policy is that the student must register and pay for the complete course, and not just a portion of the course.

Grading practices:

Faculties, departments, and schools reserve the right to scale grades in order to maintain equity among sections and conformity to university, faculty, department, or school norms. Students should therefore note that an unofficial grade given by an instructor might be changed by the faculty, department, or school. Grades are not official until they appear on a student's academic record. www.calendar.ubc.ca/okanagan/index.cfm?tree=3,41,90,1014

Final Examination:

Students are expected to make themselves available to take final exams at the scheduled times. In the event of an exam clash (i.e., two exams schedule at the exact same date and time) students must inform the instructors as soon as possible, so that alternate arrangements can be made. In the event of an exam hardship (i.e., 3 or more exams that start and end in a 27-hour period, must notify the instructor of the second formal examination no later than one month prior to the examination date for courses in the Winter Session (whether in December for Term 1 or April for Term 2), and no later than two weeks prior to the examination date for courses in the Summer Session. For more information, please see the BC Okanagan Academic calendar, regarding exam clashes and hardships.

Note: Any requests for changes to final exams must be sent to the office of the Associate Dean of Students (bsasdeansoffice.ubco@ubc.ca).

Tentative Lecture Outline:

Date	Topic	Readings
Jan 6	intro/syllabus	
Jan 8	Systematics / Trees	***CH 25.1, 25.3, 25.4, "understanding trees"***
Jan 13	Tree of Life	***CH 26.3, 26.4, 27.4, 28.3, 28.4***
Jan 15	Plant form and function	***CH 34***
Jan 20	Plant transport	***CH 35***
Jan 22	transport in plants/nutrition	***CH 35,36***
Jan 27	Plant sensory/Reproduction	***CH 37,38***
Jan 29	Plant Reproduction	***CH 38***
Feb 3	finish plants, Tree of Life 2 (Animals)	***CH 38, 30***
Feb 5	Protostomes/deuterostomes	***Chapter 31-32***
FEB 10	**MIDTERM 1**	***trees, CH 25, TOL, CH 34,35,36,37,38***
Feb 12	Protostomes/deuterostomes, pt 2	***Chapter 31-32***
Feb 16-20	***Midterm BREAK***	
Feb 24	Animal Form and Function	***Chapter 39***
Feb 26	Water and Osmoregulation	***Chapter 40***
Mar 3	Animal Nutrition	***Chapter 41***
Mar 5	Digestion	
Mar 10	Gas Exchange and Circulation	***Chapter 42***
Mar 12		
Mar 17	**MIDTERM 2**	***CH 30-32, 39-42***
Mar 19	Reproduction	***Chapter 47***
Mar 24		
Mar 26	Immune Systems	***Chapter 48***
Mar 31		
Apr 2	Ecology, Population Ecology	***Chapter 49,51***
Apr 7	Behavioral Ecology	***Chapter 50***
Apr 9		
TBA	**FINAL EXAM**	70% ch 47-51 30% comprehensive

UBC Values

UBC creates an exceptional learning environment that fosters global citizenship, advances a civil and sustainable society, and supports outstanding research to serve the people of British Columbia, Canada, and the world. UBC's core values are excellence, integrity, respect, academic freedom, and accountability.

Policies and Regulations

Visit UBC Okanagan's Academic Calendar for a list of campus-wide regulations and policies, as well as term dates and deadlines.

Resources to Support Student Success

Student Supports, Resources & Campus Services

Visit the Student Support and Resources page to find one-on-one help or explore resources to support your experience at UBC Okanagan, as well as many other campus services available to all students.

Advising:

Visit the Advising Options page to find out about the variety of advising options available to students including but not limited to academic, career, and accessibility.

Walk-in and Wellness Clinic:

The clinic offers free, brief, single-session psychological services. Sessions are led by a doctoral student in clinical psychology and supervised by a registered psychologist (UBCO Faculty member). Clinicians can provide support with stress management, sleep, self-care, depression, anxiety, interpersonal issues, substance misuse, coping with academic demands/stressors, and provide options for connecting to additional resources.

- Virtual or in-person sessions are available at the UBCO Psychology Clinic, located in ASC 167with or without an appointment, on Tuesdays and Thursdays between 10 am and 3 pm from September to June, excluding campus closures.
- Phone: 250-807-8241 (ext. 1). Email: ipc.ok@ubc.ca

Academic Integrity:

The academic enterprise is founded on honesty, civility, and integrity. As members of this enterprise, all students are expected to know, understand, and follow the codes of conduct regarding academic integrity. At the most basic level, this means submitting only original work done by you and acknowledging all sources of information or ideas and attributing them to others as required. This also means you should not cheat, copy, or mislead others about what is your work; nor should you help others to do the same. For example, it is prohibited to: share your past assignments and answers with other students; work with other students on an assignment when an instructor has not expressly given permission; or spread information

through word of mouth, social media, websites, or other channels that subverts the fair evaluation of a class exercise, or assessment. Learn more through the Academic Integrity website.

The use of generative AI tools, including ChatGPT and other similar tools, to complete or support the completion of any form of assignment or assessment in this course is not allowed and would be considered academic misconduct.

Academic Misconduct:

Violations of academic integrity (i.e., academic misconduct) lead to the breakdown of the academic enterprise, and therefore serious consequences arise and harsh sanctions are imposed. For example, incidences of plagiarism or cheating may result in a mark of zero on the assignment or exam and more serious consequences may apply if the matter is referred for consideration for academic discipline. Careful records are kept to monitor and prevent recurrences. Any instance of cheating or taking credit for someone else's work, whether intentionally or unintentionally, can and often will result in at minimum a grade of zero for the assignment, and these cases will be reported to the Head of the Department and Associate Dean Academic of the Faculty.

Copyright disclaimer: Diagrams and figures included in lecture presentations adhere to Copyright Guidelines for UBC Faculty, Staff and Students http://copyright.ubc.ca/requirements/copyright-guidelines/ and UBC Fair Dealing Requirements for Faculty and Staff http://copyright.ubc.ca/requirements/fair-dealing/. Some of these figures and images are subject to copyright and will not be posted to ***Canvas***. All material uploaded to ***Canvas*** that contain diagrams and figures are used with permission of the publisher; are in the public domain; are licensed by Creative Commons; meet the permitted terms of use of UBC's library license agreements for electronic items; and/or adhere to the UBC Fair Dealing Requirements for Faculty and Staff. Access to the ***Canvas*** course site is limited to students currently registered in this course. Under no circumstance are students permitted to provide any other person with means to access this material. Anyone violating these restrictions may be subject to legal action. Permission to electronically record any course materials must be granted by the instructor. Distribution of this material to a third party is forbidden.

Disability Resource Centre

The Disability Resource Centre (DRC) facilitates disability-related accommodations and programming initiatives that ameliorate barriers for students with disabilities and/or ongoing medical conditions. If you require academic accommodations to achieve the objectives of a course, please contact the DRC at:

UNC 215 250.807.8053
Email: drc.questions@ubc.ca
Web: https://students.ok.ubc.ca/academic-success/disability-resources/

Equity and Inclusion Office

Through leadership, vision, and collaborative action, the Equity & Inclusion Office (EIO) develops action strategies in support of efforts to embed equity and inclusion in the daily operations across the campus. The EIO provides education and training from cultivating respectful, inclusive spaces and communities to

understanding unconscious/implicit bias and its operation within in campus environments. UBC Policy 3 prohibits discrimination and harassment on the basis of BC's Human Rights Code. If you require assistance related to an issue of equity, educational programs, discrimination or harassment please contact the EIO.

UNC 325H 250.807.9291
Email: equity.ubco@ubc.ca
Web: https://equity.ok.ubc.ca/

Resources for Indigenous Students:

Indigenous Programs & Services provides community and culturally appropriate services and support to First Nation, Métis, and Inuit Students. You belong here.

The Indigenous Centre, located on the second floor of the University Centre building (UNC 210), provides a sense of belonging and community to First Nations, Métis, and Inuit students. This home away from home is committed to enriching the quality of the student experience for Indigenous students by promoting access, providing capacity building opportunities, and celebrating success.

Website: https://students.ok.ubc.ca/indigenous-students/

Office of the Ombudsperson for Students

The Office of the Ombudsperson for Students is an independent, confidential and impartial resource to ensure students are treated fairly. The Ombuds Office helps students navigate campus-related fairness concerns. They work with UBC community members individually and at the systemic level to ensure students are treated fairly and can learn, work and live in a fair, equitable and respectful environment. Ombuds helps students gain clarity on UBC policies and procedures, explore options, identify next steps, recommend resources, plan strategies and receive objective feedback to promote constructive problem solving. If you require assistance, please feel free to reach out for more information or to arrange an appointment.

UNC 217 250.807.9818
Email: ombuds.office.ok@ubc.ca, Web: www.ombudsoffice.ubc.ca

Student Learning Hub

The Student Learning Hub is your go-to resource for free math, science, writing, and language learning support. The Hub welcomes undergraduate students from all disciplines and year levels to access a range of supports that include **tutoring in math, sciences, languages, and writing, as well as help with academic integrity, study skills and learning strategies**. Students are encouraged to visit often and early to build the skills, strategies and behaviours that are essential to being a confident and independent learner. For more information, please visit the Hub's website.

LIB 237 250.807.8491
Email: learning.hub@ubc.ca
Web: https://students.ok.ubc.ca/academic-success/learning-hub/

Students' Union of UBC Okanagan (SUO):

Consisting of a group of elected student representatives, the SUO provides support and advocacy for students.

SUO Office: Found on the first floor of the UNC building.
Website: https://www.suo.ca/

- Indigenous Peoples Collective: https://www.suo.ca/resource/indigenous-peoples-collective/
- Pride Resource Centre: https://www.suo.ca/resource/pride-resource-centre/
- Women's Resource Centre: https://www.suo.ca/resource/womens-resource-centre/
- The UBC Black Caucus: https://www.instagram.com/ubcblackcaucus/?hl=en
- African and Caribbean Student Club: https://www.instagram.com/ubcoacsc/?hl=en
- UBCO Asian Students Association: https://www.instagram.com/ubcoasa/?hl=en
- UBCO Punjabi Student Association: https://www.instagram.com/psa.ubco/
- Additional Student Clubs: https://www.suo.ca/student-associations/
- Legal Aid: https://www.suo.ca/services-student-legal-aid/
- The SUO Food Pantry: https://www.suo.ca/pantry/

Independent Investigations Office (IIO):

If you or someone you know has experienced sexual assault or some other form of sexual misconduct by a UBC community member and you want the Independent Investigations Office (IIO) at UBC to investigate, please contact the IIO. Investigations are conducted in a trauma informed, confidential and respectful manner in accordance with the principles of procedural fairness. You can report your experience directly to the IIO (investigationsoffice.ubc.ca):

Email: *director.of.investigations@ubc.ca*
Telephone: 604.827.2060

SAFEWALK

Don't want to walk alone at night? Not too sure how to get somewhere on campus?
Call Safewalk at ***250-807-8076*** *anytime from 6:00 PM until late for a co-ed pair of student UBCEFRT volunteers to walk you to your car, to the bus stop, to your class, to the library, or anywhere on campus!*
For more information, see: https://security.ok.ubc.ca/safewalk/

THE UNIVERSITY OF BRITISH COLUMBIA
Irving K. Barber Faculty of Science
Okanagan Campus

BIOL 125 LABORATORY
BIOLOGY FOR SCIENCE MAJORS II

3 credits | 2025 Winter Term 2 (25WT2) | All Sections

Biology Laboratory Manager & Outreach Coordinator

Snow shoeing with my "little" fluff balls Blue and Bear

(both are double in size now)

Biology Laboratory Coordinator: Dr. Tristyn Hay. See Canvas Lab Website for contact information, or follow hyperlink to find my departmental page.

About Me: I love anything related to animals! If I am not working at UBCO I am off campus teaching marine biology to children ages K-12 or working on my farm with my 30 chickens, 7 cats, 3 dogs, 16 goats, 3 sheep, 1 gorgeous llama, 2 Emus and 4 rabbits.

Office Hours: You can make an appointment via email tristyn.hay@ubc.ca.

Cashew and his brother Peanut for a winter walk

Bo with the Zoomies (Yes cows are basically just large puppies)

My Role

As the biology laboratory coordinator my role is to ensure that the labs are run in a safe and engaging manner. I will be sending out regular announcements through Canvas with information regarding lab expectations, assignments and last-minute changes that may need to be made, so it is important that you check your **Canvas emails daily.** When you are ill or have a scheduling conflict I am the one you want to contact. If you are having any issues or concerns regarding; your lab, your TA, grades or if you simply need to reach out please send me an email. In order to better help answer your question in a timely manner please ensure that you have provided your **full name, the course you are registered in, the lab section number and your TA's name**.

Other Important People

Our Technician

Sunil Kainth will also be there to help support you all both on campus and off. Sunil is our technician for this course. This means he is the one that does all the setup and take down of the many materials you need in order to complete your labs. Just like myself, it will help Sunil if you can also provide him your **full name, the course you are registered in, the lab section number and your TA's name.** Sunil can be reached via email at sunil.kainth@ubc.ca or in his office in SCI 103.

Teaching Assistants

Although Sunil and I will be there along the way your number one point of contact will be your teaching assistant (TA). Your TA will be there every step of the way helping to guide you through your lab. Every week they will available to you in your labs, during their office hours and via email. They are there to ensure your overall lab experience is a positive one so please reach out whenever you need a bit of extra help.

Any questions about your assignments will be answered by your TA. It is strictly the student's responsibility to be aware of the assignment criteria outlined in the lab manual as well as their associated deadlines. All labs will be scheduled during your regular lab time and attendance will be confirmed via QR codes. All assignments must be submitted via Labflow and/or Canvas. No assignments sent via email will be accepted. Your first lab will begin the **week of January 12th.**

Modules:

Take a look through your biology 125 lab course on Labflow and Canvas. All the labs are organized by module with their associated dates in the title. Some of the items in the modules won't be available immediately. Don't worry as they will become available well ahead of when you need them. Due dates for all assignments are already built in and you can see them all in Labflow and Canvas. Although your TA's will help to remind you about upcoming assignments it is not their responsibility to keep you on task. Please take a look through your lab outline and read through the material for module 1 before the week of the 15th. Good luck with the term and have some fun!

Required Materials

Access to Labflow and Canvas is required as all relevant materials for the lab will be available here. It is the responsibility of the student to ensure they have paid for access to Labflow as no access will be granted until full payment. Payment due **January 19, 2025 at 5:30pm**. Any cwl issues please contact CTL (Centre for Teaching and Learning) at ctl.helpdesk@ubc.ca.

Missed Laboratory Sessions

Attendance of labs is mandatory, regardless of whether the lab is online or on campus, and students **must** attend **only** the lab section they are registered in.

Regular Labs/Assignments:

Students who miss more than **2 labs/assignments** will fail the lab component of the course. Missed labs/assignments will be determined based on no attendance in lab and/or no submission via Labflow or Canvas. Assignments submitted electronically or via hardcopy to a TA or lab manager is NOT an acceptable form of submission and will result in a zero. Lab section switches and/or extensions will NOT be permitted for these labs.

Lab Exams:

Students are NOT permitted to miss any lab exam. Students who miss the lab exam, will fail the lab component of the course. Lab section switches may be available assuming the student has contacted the **lab manager** within **48 hours** of the absence and provided the appropriate documentation. In the event that students do not report to the lab manager within **48 hours** to reschedule and/or make arrangements students will receive a zero for the lab exam.

Students are solely responsible for tracking their own absences. Your laboratory manager will NOT notify students about any failures due to missed labs/assignments until the end of term.

Lab Schedule

Date (Week of)	Module	Description
January 12th	1	Orientation/Introduction to the Microscope **Microscope assignment**
January 19th	2	Plant Diversity **Plant Assignment #1**
January 26th	3	Plant Form and Function **Plant Assignment #2**
February 2nd	4	Plant Growth and Reproduction **Plant Assignment #3**
February 9th	5	**Midterm Lab Exam**
February 16th		Reading Week – No Labs
February 23rd	6	Animal Systems I **Animal Systems I – Week 1 Assignment**
March 2nd	7	Animal Systems I **Animal Systems I – Week 2 Assignment**
March 9th	8	Animal Systems II **Animal Systems II -Week 1 Assignment**

March 16th	9	Animal Systems II **Animal Systems II – Week 2 Assignment**
March 23rd	10	**Final Lab Exam**

Grading Breakdown

Assignment	Value	Due
1. Assignments	9%	Due throughout term
2. Midterm Lab Exam	10.5%	Week of February 9th
3. Final Lab Exam	10.5%	Week of March 23rd
Total:	**30% of course grade**	