TEACHING ASSISTANTS
Each laboratory section has a specific Teaching Assistant (TA) assigned. The role of the TA is to run the laboratory sections each week, track attendance, and grade assignments. Each TA will have 5 office hours each week. The TA will hand out specific information on their office hours and contact information in the first week of lab.

COURSE/CATALOG DESCRIPTION
A series of laboratory exercises which supplement the material discussed in BIOL2170.

COURSE OVERVIEW
The goal of this course is to introduce students to laboratory experiences complementary to the BIOL2150 course material. Topics include experimental design, evolution, diversity, anatomy and physiology, and ecology.

COURSE OBJECTIVES
Upon completion of this course, the student will be able to:

1. Apply the scientific method in the design and interpretation of experiments.
2. Analyze data, form conclusion and communicate results from experiments on cellular processes.
3. Demonstrate correct and safe use of laboratory equipment in performing experiments and dissections.

TEACHING STRATEGIES
This laboratory course is designed to introduce students to biological sciences laboratory topics and techniques. Attendance is mandatory. Students will work in pairs to complete worksheets during the laboratory period. Two Lab Write Ups will be written outside of lab time. Online quizzes are completed before attending the lab session.

WORKWEEK
Each week has a specific assigned laboratory. You will take an online quiz before attending your assigned laboratory section to make sure you have read the laboratory material and are prepared for lab. Students will work in pairs to complete worksheets during the laboratory period. Two Lab Write Ups will be written outside of lab time.

PREREQUISITES
There are no prerequisites for BIOL2180. BIOL2170 is a corequisite. BIOL2170 has a prerequisite of CHEM1210 or CHEM1230.

TECHNICAL SKILLS
To succeed in this course, it will be important for learners to possess the following technical skills:

1. Rename, delete, organize, and save files.
2. Create, edit, and format word processing and presentation documents.
3. Copy, paste, and use a URL or web address.
4. Download and install programs and plug-ins.
5. Send and receive email with attachments.
6. Locate and access information using a web search engine.
7. Use a learning management system.

REQUIRED TEXTS AND MATERIALS

You are required to purchase a 2015-2016 lab manual for this course. A 2-week grace period is allowed to purchase the manual. In the 3rd week, if you do not have the new lab manual, you may attend lab but you will NOT be allowed to turn in worksheets.

RECOMMENDED TEXTS AND MATERIALS
None.

TECHNOLOGY REQUIREMENTS
Browser Check Page
Students need to have access to a properly functioning computer throughout the semester. The Browser Check Page will enable you to perform a systems check on your browser, and to ensure that your browser settings are compatible with Blackboard, the learning management system that hosts this course.

Software
Student computers need to be capable of running the latest versions of plug-ins, recent software and have the necessary tools to be kept free of viruses and spyware. The computer needs to run the following software, available in the UT Online Download Center.

- Word Processing Software
- Adobe Acrobat Reader
- Apple QuickTime Player
- Java Plugin Console
- Adobe Flash Player
- Adobe Shockwave Player
- Google Chrome Browser - Recommended

Internet Service
High-speed Internet access is recommended as dial-up may be slow and limited in downloading information and completing online tests. This course does contain streaming audio and video content.

Use of Public Computers
If using a public library or other public access computer, please check to ensure that you will have access for the length of time required to complete tasks and tests. A list and schedule for on-campus computer labs is available on the Open Lab for Students webpage.

UT Virtual Labs
Traditionally, on-campus labs have offered students the use of computer hardware and software they might not otherwise have access to. With UT’s Virtual Lab, students can now access virtual machines loaded with all of the software they need to be successful using nothing more than a broadband Internet connection and a web browser.

The virtual lab is open 24/7 and 365 days a year at VLAB: The University of Toledo's Virtual Labs.

TECHNOLOGY PRIVACY POLICIES
This course will use tools that will require learners to create an account with a username and password. To safeguard your account on each platform, please make note of the following privacy policies:

- UT IT Responsible Use Policy
COURSE POLICIES

General Procedures
In many ways, working in a biology lab is like working in a kitchen. As some famous chefs have said,

Our years of teaching cookery have impressed upon us the fact that all too often a debutante cook will start in enthusiastically on a new dish without ever reading the recipe first. Suddenly an ingredient, or a process, or a time sequence will turn up, and there is astonishment, frustration, and even disaster. We therefore urge you, however much you have cooked, always read the recipe first, even if the dish is familiar to you... We have not given time of preparation as some people take half an hour to slice three pounds of mushrooms, while others take 5 minutes.


1. Read the lab protocol BEFORE lab lecture and AGAIN before lab.
2. Plan your work. Listen to instructions on the sequence of procedures in the lab.
3. Use only the required amounts of materials. DO NOT take extra solutions or equipment.
   DO NOT start an experiment over without asking the TA first.
4. Always be familiar with the entire lab protocol, even when splitting tasks with a partner.
5. Keep accurate notes of your procedures. Good notes may explain unusual results long after the exact details would have been forgotten.

Fundamentals of Life Science Lab Staff
The staff is organized into several levels. To clarify the role of staff members, a brief description of their role is outlined. The teaching assistant is in charge of the weekly wet lab. They are usually a Master’s or Doctoral student in the Biological Sciences Department. You will contact the TA first with any questions or concerns. The Lab Coordinator, John Arnold, is responsible for all of the teaching labs in Biological Sciences including BIOL2160/2180. Please contact him if you are unable to contact your TA. Concerns unable to be resolved by the TA will go to the Lab Coordinator. The Instructor of Record is responsible for all final decisions and awarding of final grades. It is expected that you will contact your TA first to resolve questions or concerns before the Lab Coordinator or Instructor of Record become involved.

Safety
Biology labs vary in the types and degree of hazards. Your teaching assistant will point out any necessary precautions. If you have a medical condition that prevents participation in a lab, please notify the instructor or teaching assistant as soon as possible.

Lab Rules:
1. DO NOT ENTER THE LAB WITHOUT A TEACHING ASSISTANT PRESENT.
2. Correct attire is required for safety reasons. See dress code below.
3. No drinking, smoking, eating, gum/ tobacco chewing in lab.
4. Keep your lab bench clean and free of extra books, papers, coats, etc.
5. Clean your work area after use. Return equipment to proper location.
7. Dispose of broken glass in the labeled glass disposal box.

Dress Code
Due to safety concerns, you are required to dress appropriately for EVERY lab session. Shoes must have closed toes. No sandals. No rollerblades or roller skates. Pants/ shorts/ skirts must come at least to the knee to provide adequate protection. Tops must have a sleeve. Tops must cover the shoulder and midriff area. You will be asked to leave the lab if you wear inappropriate clothing. This is treated as an unexcused absence and may be a reason to deduct lab participation points.

Teaching Assistant Office Hours
Each Teaching Assistant (TA) is required to keep 5 hours of office time per week. You will be given those hours within the first 2 weeks of the semester. Please remember that TAs are also taking classes and performing research. He or she will be free to meet with you during posted office hours. The TA may not
be available at other times. Please make an appointment if the designated office hours do not fit your needs. Many TAs have office space in research labs. PLEASE ask before entering any lab areas. Many labs contain dangerous or sensitive materials. The TA may post a note directing you to a different location during office hours.

**Attendance Policy**

The lab attendance policy is based on the importance of participation in all lab sessions for the full class period. The TA takes lab attendance. A student will be given an F, regardless of point totals, upon the third missed lab period. Missed lab periods may consist of: failure to attend lab, failure to complete the lab, accumulated late arrivals, dismissal from lab for unacceptable behavior or inappropriate clothing. Students are held responsible for all material on the final.

Exceptions to the attendance policy are given only after consultation with the TA, lab coordinator or instructor. Medical emergencies accompanied by a doctor’s note or a death in the family with proper documentation can be counted as excused absences. Officially sponsored UT events to which you are required to attend are excused with proper documentation. Religious holidays are excused. In special cases, planned absences can be handled by consulting your TA before the absence for instructions. A total of 3 excused absences are allowed without specifically consulting with the Lab Coordinator or Instructor of Record.

It is the STUDENT’S responsibility to contact their TA, Lab Coordinator or Instructor of Record as soon as possible with any problems. Do not wait until the next session to inform the TA of your absence. Messages can be left at the TA’s office number or the department office (419-530-2065) or with the Lab Coordinator (419-530-4588).

In the event that a student interferes with another student’s learning experience through unsafe lab practices or disruptive behavior, the teaching assistant will give a verbal warning. If the action continues, the teaching assistant may dismiss the disruptive student. Dismissal from lab is treated as an unexcused absence.

**Attending another section**

In emergencies, you may attend another lab section. **You DO NOT need to ask permission – just go!** We cannot guarantee open spots. You have to go see if a seat is open. You are allowed to attend another section a total of 3 times total and ONLY if there is an open seat in that lab section (you cannot be the 25th student in lab). If you exceed 3 times, additional missed labs are unexcused absences. If your work schedule changes, we can permanently move you into another lab that has an open seat. You must make any changes due to your preferences during the add /drop period at the start of the semester. You are expected to attend your regular section unless there is the RARE emergency that you need to go to another section. Web for students lists ALL sections but does NOT indicate which are actually running. We may have 32 sections on the web but only 22 were opened. You can find open sections by calling your TA, calling the Biological Sciences office, calling the lab coordinator, or checking on the course web site on BlackBoard or by the door outside your lab.

If you attend another lab section, tell the TA supervising the section that you are making up a lab. Make sure they write down your name and the section you normally attend to ensure your attendance is recorded. Check that your TA has received your quiz/ worksheet the following week to avoid problems. Check that it has been recorded on BlackBoard. If you made up a lab during a lab write up lab, your report is due when you go to your regular section the following week. If you miss your regular Monday night lab and go to a Thursday morning section, your report is due when you walk into your Monday night lab.

You must notify your TA immediately if you miss a lab write up lab and are unable to attend an alternate section. Your TA will tell you what to do. Do not use data provided by your lab partner or another student. **Only your TA can give you instructions on making up a lab report.** There are absolutely NO
excused lab write ups. Lab write ups as a makeup may be another experiment. Makeups must be completed within 2 weeks (or the end of the semester) of the original lab write up lab.

Students are expected to arrive promptly to lab. Labs are designed to take the full time period. Students are expected to arrive BEFORE the lab period begins. Students arriving late to lab will receive a notice from the TA. Three accumulated lates during the semester counts as an unexcused absence. Students arriving more than 30 minutes late will be asked to attend another lab section later in the week (note the limit of 3 times for attending another section). If this is not possible, the lab will count as a missed lab. Lab will proceed as scheduled. Students are not to leave until dismissed by the TA. Leaving before the lab ends is treated the same as a late arrival.

For example, your lab meets Wednesdays at 9AM. You have a lab write up due when you walk into lab. If you go to lab and do not hand in your report, it will drop 10% or 5 points every 24 hours it is late. Turning it in anytime up to 9AM on Thursday is 10% off. 20% is deducted between 9AM Thursday and 9AM Friday. Weekend days DO count because you can drop off your lab write up at ANYTIME in the metal box outside WO1217.

**Inclement Weather**

There are 4 possible outcomes during inclement weather:

1. **The University remains open** - All of you are expected to be in class on time. The University has made the decision that the conditions are not severe enough to close. Lab will be held as scheduled. Quizzes will be given as scheduled. Assignments are due as scheduled. Inclement weather will not be accepted as an excuse for not attending lab. Work turned in late will be treated as late work. If a student does not attend lab, work is not late if turned in less than 24 hours from the due date and time. If a lab is missed, a student can attend another lab section later in the same week. It is the student’s responsibility to contact their TA as soon as possible if a lab is missed. A student should NOT wait until the following week to find out what to do for missed material.

2. **The University delays classes** - Follow instructions given as to when classes begin. This alternative is not used often.

3. **The University maintains operations but cancels classes** - The timing and length of a closure determines what the response will be. If lab is cancelled, labs will resume with the next scheduled lab experiment the following week. Outside of the period of cancelled classes, labs will meet as scheduled. Materials due during a cancelled lab are due within 24 hours of the University reopening. TAs are not expected to be present during a cancelled lab.

4. **The University closes entirely** - same procedure as #3.

If UT does cancel classes or closes entirely, please do the following. If your lab was scheduled to begin during the time that UT is closed, your lab will go to the next lab scheduled when you meet next. You will not make a lab up that was cancelled. Any worksheet you would have done will be dropped and that lab
will not appear on your lab final. Any work that was due has an extended deadline of 24 hours after UT reopens.

Regardless of the situation, the student should contact their TA as soon as possible if they have ANY question what is expected of them.

**UT Red Alert System**

We would like to encourage you to sign up for the UT Red Alert System. In case of emergency, including UT closing, a message is sent by text, voice mail or e-mail. This is simple to set up and free to students. Sign up at MyUT. [https://stuweb00.utoledo.edu/redalert/](https://stuweb00.utoledo.edu/redalert/)

**Policy Statement on Academic Dishonesty**

Academic dishonesty will not be tolerated. Please read [The University's Policy Statement on Academic Dishonesty](https://www.utoledo.edu/studentlife/academicaffairs/policies/academicdishonesty.html).

The Biological Sciences Department follows the University policy on academic dishonesty. The specific department statement follows.

Academic dishonesty by students enrolled in undergraduate or graduate courses and programs offered by the Department of Biological Science will not be tolerated. Academic dishonesty includes, but is not limited to:

1. Obtaining assistance from another individual during an examination.
2. Giving assistance to another individual during an examination.
3. The unauthorized use of study material or textbooks during an examination.
4. Changing answers on an examination after it has been returned and then submitting it for regrading.
5. Plagiarizing written assignments. Plagiarizing includes: (a) copying laboratory reports from previous years, (b) copying or paraphrasing reports, term papers, or theses prepared by other students, (c) unauthorized collaboration in the preparation of reports, term papers, or theses, and (d) use of another author’s materials without appropriate acknowledgment through quotation and citation. See Appendix B on Safe Assign.
6. Attempting to bribe or otherwise induce an instructor to alter either a grade or examination score.
7. Obtaining or attempting to obtain a copy of an examination prior to its administration.

In accordance with policy outlined in the Student Handbook and the University Catalog, instructors have the responsibility and right to bring cases of alleged dishonesty to departmental, college, and university administrative units. Students involved in academic dishonesty may expect to receive a grade of F on specific assignments as well as in the course where the assignment was made. In addition, disciplinary action may be recommended through appropriate college and university disciplinary committees.

**Copyright Notice**

The materials in the course website are only for the use of students enrolled in this course for purposes associated with this course, and may not be retained or further disseminated.

**GRADING POLICIES**

Teaching Assistants are not empowered to award final grades. They grade your materials and keep track of points. At the end of the semester, letter grades are established in a meeting with the Instructor of Record. The grades of DR, I and W are assigned as instructed in the University of Toledo Undergraduate Catalog.
Grading

Please read the lab schedule carefully and know what you are expected to do. In Spring 2016, lab sections on Monday January 18 will NOT meet. Labs on Tuesday through Friday will meet as scheduled that week. No lab sections meet the week of March 7th during Spring Break.

<table>
<thead>
<tr>
<th>Item</th>
<th>Number</th>
<th>Points each</th>
<th>Total Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab Write Ups</td>
<td>2</td>
<td>50 points</td>
<td>100 points</td>
</tr>
<tr>
<td>Quizzes</td>
<td>13*</td>
<td>5 points</td>
<td>55 points</td>
</tr>
<tr>
<td>Worksheets</td>
<td>11</td>
<td>10 points</td>
<td>110 points</td>
</tr>
<tr>
<td>Lab practical</td>
<td>1</td>
<td>100 points</td>
<td>100 points</td>
</tr>
<tr>
<td><strong>Total points in course</strong></td>
<td></td>
<td></td>
<td><strong>365 points</strong></td>
</tr>
</tbody>
</table>

* The 2 lowest scoring quizzes will be dropped. Missed quizzes without an excused absence will count as a zero and will be dropped first.

Grading Scale

The following scale is used to assign letter grades to BIOL2160/2180. The grades are not curved. The total points you earn are divided by the total point possible for you. That percentage determines your letter grade.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>100-90</td>
</tr>
<tr>
<td>A-</td>
<td>89-88</td>
</tr>
<tr>
<td>B+</td>
<td>87-85</td>
</tr>
<tr>
<td>B</td>
<td>84-80</td>
</tr>
<tr>
<td>B-</td>
<td>79-78</td>
</tr>
<tr>
<td>C+</td>
<td>77-75</td>
</tr>
<tr>
<td>C</td>
<td>74-70</td>
</tr>
<tr>
<td>C-</td>
<td>69-68</td>
</tr>
<tr>
<td>D</td>
<td>67-65</td>
</tr>
<tr>
<td>D+</td>
<td>64-60</td>
</tr>
<tr>
<td>D-</td>
<td>59-58</td>
</tr>
<tr>
<td>F</td>
<td>57 and below</td>
</tr>
</tbody>
</table>

Quizzes

An ONLINE quiz will be given each lab starting the second week of lab. Quizzes are due at 11pm the night before your lab day. For example, if my lab is Tuesday at 8am, 11:30am, 3pm, or 6:30pm, my online quiz ends at 11pm on Monday. Quizzes consist of 5 questions. Three (3) questions cover the previous lab. Questions may ask facts, details of procedure, interpretation of data, etc. Two (2) questions cover the upcoming lab. Questions include the basics of the protocol for that week to make sure you are prepared for lab. The lowest 2 quiz grades will be dropped. There are no makeup quizzes. If you miss a quiz, it is a zero. Quizzes with the lowest earned score or a zero for not taking the quiz are dropped first. To be excused from a quiz, you must have an excuse that covers the 11pm deadline the day before your lab. There absolutely no makeup quizzes. You must take a quiz to attend lab. If you have not taken your quiz, you will not be allowed to enter lab.

Lab Write Ups

Lab write ups test your ability to analyze and convey the results of your experiments. Very specific required formatting is expected. Follow directions given to you. Lab write ups are due promptly one week from the date the lab is performed. Each lab write up has a handout that specifies what information is expected. See your TA during office hours or make an appointment for help before the write up is due. Please refer to Appendix A for further information.

Lab write ups cannot be excused. If you miss a lab write up lab you will have to do a makeup lab session to write a report. Contact your TA as soon as possible for instructions. If you miss a write up lab it is NOT permissible to get the data from another student and turn in a report. Make up lab write up must be completed within 2 weeks of the original lab write up lab.

Lab write ups are due at the beginning of the lab period. Late write ups drop 10% every 24 hours they are late. Late write ups are time/date stamped and placed in the metal box outside WO1217.
Lab Practical
The lab practical is given the last week of the semester. It consists of 25 stations with questions covering the entire semester. You may be asked to analyze data, draw a graph, explain a concept or use a piece of equipment. All will be things you did during the semester. If your entire lab section missed a lab due to holiday or weather emergency, that lab does not appear on the final. If you missed the lab (excused or unexcused absence), you are responsible for the material on the practical. It is very important that even when working with a partner you yourself are familiar with all terms and procedures. A review sheet with specific information will be provided later in the semester.

FERPA
The Family Educational Rights and Privacy Act of 1974 is a Federal law introduced to give students certain rights regarding the confidentiality of their educational records. We cannot leave student papers in a public area for drop off or pickup, inform a student of his or her grade or class standing via the phone, post grades using name or social security number, inform anyone outside of UT (including parents or spouse) of your grade, or allow anyone to pick up a graded assignment of another student. You may review UT policy information on the Office of the Registrar’s site at http://www.utoledo.edu/offices/registrar/ferpa_confident.html.

AMERICANS WITH DISABILITIES ACT
The Americans with Disabilities Act (ADA) requires that reasonable accommodations be provided for students with physical, sensory, cognitive, systemic, learning, and psychiatric disabilities. In accordance with the ADA and university policy, if you have a documented disability and require accommodations to obtain equal access in this course; please contact the instructor at the beginning of the semester to discuss any necessary accommodations. Please contact the Office of Student Disability Services for verification of eligibility at 419-530-4981 (voice) or 419-530-2612 (TDD).

GENERAL ACCESSIBILITY STATEMENT ON COURSE TECHNOLOGY
In conjunction with The University’s commitment to ensuring equal access to all technology-based information, this course contains technologies that learners can use regardless of age, ability or situation. The course’s platform, Blackboard Learn, is a certified web-accessible platform, satisfying Level AA conformance criteria of Web Content Accessibility Guidelines (WCAG 2.0). External sites used in the course, such as Echo360, are compliant with Section 508 standards, and the media players used in the course support closed captioning, are keyboard operable, and compatible with screen reading software.

If any accommodations, beyond what is provided, are needed for equal access to any of this course content, please contact the instructor as soon as possible. The University of Toledo’s Office of Student Disability Services processes closed captioning requests for videos and other media from the instructor, which may take up to four (4) business days to complete.

COMMUNICATION GUIDELINES
Accessing Files on your H: drive
When you log onto a PC while at UT you are logging onto a network. Some programs and files are housed on the specific machine you are sitting at and are not available at any other machines on campus. Other files are ones you have created or chosen to save to your desktop or another file on the H: drive. Your H: drive will appear at any computer you log onto at UT. It is attached to your username. You can also access these files from the web at http://files.utoledo.edu. You can access these files anytime from anywhere. You can download and upload files to your H: drive. This is important because the Biological Sciences computers do not allow access to the disk drives (floppy or USB) and will not allow files to be stored anywhere other than your H: drive. Any changes made to programs or files will be erased and repaired using DeepFreeze. Only files saved to your H: drive will not be affected. Engineering students have 2 desktops. You should know which one you are saving files to.

E-mailing your TA
Your UT e-mail can be accessed over the web at http://email.utoledo.edu. Your username and password is from your UTAD account. The username is in the format UTAD\username. Using your UT account to e-mail to your TA is the only reliable method. Using any other e-mail account can and will cause problems.
We will not be responsible if you choose to e-mail the TA using an e-mail account other than the UT or if you e-mail the TA at an account that is not their UT account. Your TA's e-mail automatically generates a reply saying that your e-mail has made it into their mail box. **If you do not receive an auto reply, your mail did not get through.** There are 2 e-mail addresses you must take out of your junk mail folder. One is your TA and the other is admin@biosciences2.utoledo.edu. If you do not do this, you will miss important e-mails.

**Netiquette:**
It is important to be courteous and civil when communicating with others. Students are subject to the communication regulations outlined in the Student Handbook. To ensure your success when communicating online, take time to familiarize yourself with the "dos" and "don'ts" of Internet etiquette.

**TECHNICAL SUPPORT**
**If you encounter technical difficulties with Blackboard, please contact the UT Online Help Desk** at (419) 530-8835 or utdl@utoledo.edu. The Help Desk offers extended hours in the evenings and on weekends to assist students with technical problems. When calling after hours, leave a detailed message, including your Rocket Number and phone number, and a UT Online staff member will respond on the next business day.

**Technical questions related to on-campus Internet access, virtual labs, hardware, software, personal website hosting, and UTAD account management can be directed to UT’s IT Help Desk** at (419) 530-2400 or ithelpdesk@utoledo.edu.

**LEARNER SUPPORT**
The University of Toledo offers a wide range of academic and student support services that can help you succeed:

**Biological Sciences Help Center (WO1261A)**
The Department offers a biology help center staffed by graduate students. The hours are established early each semester but are generally Monday-Friday during the day. The staff can help you with general biology questions but may not have the details of assignments for each course. Note that you should ask your TA or the Lab Coordinator specific questions concerning lab or lab assignments.

**eTutoring Services**
The Ohio eTutoring Collaborative, in partnership with The University of Toledo, now provides online tutoring support for all UT students. eTutoring Services are offered in a wide array of subjects, including Writing, Math, Calculus, Statistics, Accounting, Biology, Chemistry, and Anatomy and Physiology.

**eLibrary Services Portal**
The eLibrary is a customized gateway to UT Libraries for online students. It was designed to help you locate the best online library resources without leaving Blackboard.

**Student Disability Services**
Student Disability Services provides accommodations and support services to students with disabilities.

**Counseling Center**
The Counseling Center is the university's primary facility for personal counseling, psychotherapy, and psychological outreach and consultation services. The Counseling Center staff provide counseling (individual and group), mental health and wellness programming, and crisis intervention services to help students cope with the demands of college and to facilitate the development of life adjustment strategies.

**Services for Online Students**
Knowing what to do, when to do it, and who to contact can often be overwhelming for students on campus - even more so for distance learners. Visit the Resources for Current Students webpage to learn more about the wide range of services for online students.
Laboratory Schedule for Spring 2016

** There is 1 Monday only holiday in Spring 2016 and 1 week long holiday. Please read the syllabus carefully and know what you are expected to do.

★ Monday holiday. No lab on Monday only. Labs Tuesday- Friday will meet as scheduled.

<table>
<thead>
<tr>
<th>Week</th>
<th>Week of...</th>
<th>BIOL2180</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>January 11</td>
<td>16: Scientific Method</td>
</tr>
<tr>
<td>2</td>
<td>January 18★</td>
<td>17: Macromolecules</td>
</tr>
<tr>
<td>3</td>
<td>January 25</td>
<td>18: Exploring cells</td>
</tr>
<tr>
<td>4</td>
<td>February 1</td>
<td>19: Transport</td>
</tr>
<tr>
<td>5</td>
<td>February 8</td>
<td>20: Enzymes</td>
</tr>
<tr>
<td>6</td>
<td>February 15</td>
<td>21: Metabolism <strong>LW</strong></td>
</tr>
<tr>
<td>7</td>
<td>February 22</td>
<td>22: Photosynthesis</td>
</tr>
<tr>
<td>8</td>
<td>February 29</td>
<td>24: Cell division</td>
</tr>
<tr>
<td>9</td>
<td>March 7</td>
<td>No Lab All Week- Spring Break</td>
</tr>
<tr>
<td>10</td>
<td>March 14</td>
<td>29: Mitosis Animation</td>
</tr>
<tr>
<td>11</td>
<td>March 21</td>
<td>25: Mutation</td>
</tr>
<tr>
<td>12</td>
<td>March 28</td>
<td>23: Photosynthesis <strong>LW</strong></td>
</tr>
<tr>
<td>13</td>
<td>April 4</td>
<td>26: Corn genetics</td>
</tr>
<tr>
<td>14</td>
<td>April 11</td>
<td>27: Bioinformatics: FH</td>
</tr>
<tr>
<td>15</td>
<td>April 18</td>
<td>28: Diagnosis of FH</td>
</tr>
<tr>
<td>16</td>
<td>April 25</td>
<td>Lab Practical</td>
</tr>
<tr>
<td>16</td>
<td>May 2</td>
<td>No Lab- Final Grade Meeting for Staff</td>
</tr>
</tbody>
</table>

Lab Write Up Labs are indicated by a **LW**