

Syllabus

Human Biology Lab

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General Information

Professor Information



Instructor:

Maureen Walter

Phone:

305.919.5898

(do not leave voicemail message)

Office:

Academic 1, Rm 380 (BBC)

Office Hours:

By Appointment

(can be phone meeting)

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Course Description And Purpose

The BSC2023 Lab course for non-science majors illustrates the processes, concepts, and principles discussed in BSC2023 Lecture through virtual and kitchen-based investigative activities.

This course assumes very little or no prior scientific knowledge of biology, and thus serves for non-biology major students who wish to satisfy the lab portion of BSC 2023, completing the Life Science requirement within the FIU Core Curriculum Natural Science category.

This course will expand the student's knowledge of how the human body works over successive levels of organization from molecules of life to organ systems to organisms. Lab assignments may include (but are not limited to) such work as hands-on (kitchen based) lab experiments, labeling activities, short answer essay questions and quizzes. There may also be writing assignments that will analyze data collected from the class. All of the assigned activities will be explained in each Lab module.

Natural Sciences

Our technologically dependent world requires an understanding of the processes that led us here. Learning the basic concepts and ideas of scientific fields provides contact with not just those fields but with how science is done. In these courses students study the scientific method through examination of the foundational theories of modern scientific thought. Students apply scientific principles and theories to problem solving, evaluate scientific statements, and incorporate new information within the context of what is already known.

Emphasizing the essential connection between theory and experiment, the hands-on laboratory experience provides the context for testing scientific theories. Students will be able to describe the scientific method through examination of the foundational theories of modern scientific thought.

Course Objectives

Students will be able to:

- translate a greater appreciation of your own biology to how your organ systems work together to maintain your internal environment (homeostasis);
- demonstrate an understanding of human biology, and science in general, that will help you make sound decisions about contemporary issues of a biological or technological nature that will impact your life; and
- integrate both virtual and (kitchen based) hands-on lab experiments' procedures and outcomes to the process of scientific inquiry.

Important Information

Teaching Methodology

This is a fully online course in which all of the instructional materials and activities are delivered through Blackboard, and/or other internet-based media. This course is divided

into Labs. Each Lab includes background material on the scientific material being explored.

Includes, but not limited to:

Active participation in kitchen-based experiments including recording & interpreting results and submitting experiment write-up with supporting digital pictures.

- Guided inquiry through illustrated text, animations, and virtual exercises assessed by quizzes and exams.

Policies

Please review [FIU's Policies webpage](#). The policies webpage contains essential information regarding guidelines relevant to all courses at FIU, as well as additional information about acceptable netiquette for online courses.

No material will be reopened except for an emergency that has impacted the FIU community, therefore material would be reopened for the whole class, not just for individual student. Any personal issues that impact your ability to complete work **MUST**:

- Be documented. Such documentation would include funeral announcement (death in family), original official hospital receipts indicating dates for admitting and release (accident, illness, etc...Release from work/school document NOT accepted without other official documentation), etc.
- Prevent you from accessing the material during a major portion of the time it is open (last 3 weeks for quizzes and assignments and last 5 days for exams). The TA and Supervising Instructor must be notified of any issues 2 weeks before the close of the quizzes/assignments and 3 days before the close of the exams.
- If you choose to wait till the last few days (or hours) to do the work and something prevents you from completing the work (including an emergency), the material **WILL NOT** be reopened. By making the choice to wait, you are also accepting the possibility that (Murphy's Law) "If anything can go wrong, it will". And always at the worst possible time.

Technical Requirements & Skills

One of the greatest barriers to taking an online course is a lack of basic computer literacy. By computer literacy we mean being able to manage and organize computer files efficiently, and learning to use your computer's operating system and software quickly and easily. Keep in mind that this is not a computer literacy course; but students enrolled in online courses are expected to have moderate proficiency using a computer. Please go to the "[What's Required](#)" webpage to find out more information on this subject.

Please visit our [Technical Requirements](#) webpage for additional information.

Course Prerequisites

Since this course is designed for non-Science majors, there are no prerequisites. For this course to fulfill the UCC requirement, students must also take (at some point in time) the Lab component worth 1 credit. This is BSC2023L and can be taken online or in an actual lab environment on either campus. Any Quizzes or Exams taken in this course has no impact on the BSC2023 Lab grade. The BSC2023 Lab has its own Quizzes and Exams.

Academic Misconduct Statement

Florida International University is a community dedicated to generating and imparting knowledge through excellent teaching and research, the rigorous and respectful exchange of ideas and community service. All students should respect the right of others to have an equitable opportunity to learn and honestly to demonstrate the quality of their learning. Therefore, all students are expected to adhere to a standard of academic conduct, which demonstrates respect for themselves, their fellow students, and the educational mission of the University. All students are deemed by the University to understand that if they are found responsible for academic misconduct, they will be subject to the Academic Misconduct procedures and sanctions, as outlined in the Student Handbook.

Academic Misconduct includes: **Cheating** – The unauthorized use of books, notes, aids, electronic sources; or assistance from another person with respect to examinations, course assignments, field service reports, class recitations; or the unauthorized possession of examination papers or course materials, whether originally authorized or not. **Plagiarism** – The use and appropriation of another's work without any indication of the source and the representation of such work as the student's own. Any student who fails to give credit for ideas, expressions or materials taken from another source, including internet sources, is responsible for plagiarism.

Learn more about the [academic integrity policies and procedures](#) as well as [student resources](#) that can help you prepare for a successful semester.

Accessibility And Accommodation

Please visit our [ADA Compliance](#) webpage for information about accessibility involving the tools used in this course.

Please visit [Blackboard's Commitment Accessibility](#) webpage for more information.

For additional assistance please contact FIU's [Disability Resource Center](#).

Textbook

You will not need to purchase a Lab Manual for this course. All of the required text material is on the website.

Proctored Exam Policy

This course does not require an on-campus or proctored exam.

Textbook And Lab Materials

A list of grocery items needed for the kitchen based experiments is included under Course Content.

You will also need a digital camera (can be a cellphone camera) to take pictures that can be attached to each Assignment before it is submitted through the Blackboard program. This can be a camera you already own, including your phone camera, or a disposable digital camera that can be purchased at a drugstore. **YOU MUST DOCUMENT THE EXPERIMENTS WITH PICTURES. EACH AND EVERY PICTURE MUST INCLUDE A HAND WRITTEN CARD WITH NAME AND ID NUMBER OR YOU WILL RECEIVE NO CREDIT FOR THE LAB ASSIGNMENTS and they will be returned to you for resubmission.**

You will not need to purchase a Lab Manual for this course. All of the required text material is on the website.

Expectations Of This Course

This is an online course, which means most (if not all) of the course work will be conducted online. Expectations for performance in an online course are the same for a traditional course. In fact, online courses require a degree of self-motivation, self-discipline, and technology skills which can make these courses more demanding for some students.

Students are expected to:

- **Review the how to get started information** located in the course content
- **Introduce yourself to the class** during the first week by posting a self-introduction in the appropriate discussion forum.
- **Take the practice quiz (no credit towards grade)** to ensure that your computer is compatible with Blackboard
- **Take Student/Instructor Quiz as many times as necessary to earn a perfect score. This Quiz acts to certify your knowledge of the course rules and deadlines and your acceptance of said rules. Students will not have access to Exam 1 until the Quiz is taken and a perfect score earned.**
- **Interact** online with Instructor/s and peers

- **Review** and follow the course calendar for due dates and times. **All scored material in this specific course opens and closes at 9AM.** If you have a smart phone, put those dates and times with alerts in your phone so you do not miss them.
- Log in to the course **as many times as necessary to keep up with the work and complete scored material by the closing date and time.**
- Regularly check your registered FIU email and Blackboard page for course Announcements

The Instructor will:

- Log in to the course at least **3 times** per week
- Respond to **emails or messages** within **72 hours**
- Typically score and return submitted Lab Assignments within 72 hours of submission. This scoring may be done by a Graduate Student Teaching Assistant, so there may be times that the scoring will be done later than 72 hours due to the Graduate Student being in the field doing research. If the TA knows that he or she will be out in the field for a block of time, they will notify the students. Lab Assignments submitted during the late submission period may not be returned to students in time for the students to resubmit. So plan accordingly!

Course Detail

Course Communication

Communication in this course will take place via **internal messages and Announcements**. You may also email the TA or me at our regular FIU emails, seen at top of syllabus. But be sure to put your name and course number in the subject line indicating you are an online student.

The course message feature is a private, internal Blackboard only communication system. Users must log on to the blackboard system to send/receive/read messages. There are no notifications in Blackboard to inform users when a new message has been received; therefore, it is recommended that students check their messages routinely to ensure up-to-date communication.

The Announcements are messages posted on your My Blackboard Course page and sent to your registered email account. This is typically your FIU account email. If you do not check your registered email account, you will still be responsible for checking for Announcements on the Course Blackboard website. The announcement messages are very helpful because I use this tool to inform the whole class about course issues such as material closing or any technology problems students have encountered. I will be sending out an announcement the first day of class. If you do not receive it, contact Technology Support (through link on left-hand menu) and ask them to confirm your email account.

The TA and I receive many messages throughout the semester. For some, we respond individually, but to others we will respond as a message to the whole class because we view it as an issue that everyone needs to know about. And for some messages, we do not respond at all. Some of these are the messages that request we reopen material that has closed. Since the course guidelines are very clear on this matter, and since all students will have taken the Student-Instructor quiz covering these guidelines, there is no reason for us to tell the student what they already know: **the material will not be reopened.**

If you have a Quiz or Exam scheduling conflict, let the TA know in advance. While we will **not** customize the course to fit your schedule, we may be able to open a Quiz or Exam early. **YOU MUST NOTIFY us IN ADVANCE OF A CONFLICT, NOT AFTER THE EXAM HAS CLOSED!** You must provide specific information on why you need a schedule change and the TA/Instructor has the right to either grant or deny the change based on the supporting information. Barring hurricanes and other natural disasters, there will be **no extensions** on the closing dates for the **Lab quizzes or Exam or Lab Assignments (see dates below).**

If you have an emergency that prevents you from accessing the material (the complete last 3 weeks of the ~6 weeks for quizzes and assignments and the last 5 days of the access period for exams), the Instructor **MUST** be contacted (at least 2 weeks before closing for Quizzes and Lab Assignments and 3 days before closing for Exams) before the closing of the material. These circumstances must be supported with original documentation such as the official hospital records showing day of admittance and release or police records showing day or arrest and release. A release from work/school document must be submitted with other official documentation as previously mentioned. It will not be accepted as the sole documentation.

If you choose to wait till the last few days (or hours) to do the work and something prevents you from completing the work (including an emergency), the material **WILL NOT** be reopened. By making the choice to wait, you are also accepting the possibility that (Murphy's Law) "If anything can go wrong, it will" and always at the worst possible time.

The Instructor/ TA typically logs in to the course 3 times a week, so you can expect to receive an answer to any messages within 72 hours. If it is an emergency, send an email to our regular FIU email accounts.

Visit our [Writing Resources webpage](#) for more information on professional writing and technical communication skills.

Assignments

While the on-line format of this course offers the student a degree of flexibility in when they participate in the work, **it requires self-discipline to stay on track through the**

semester. The class will receive Announcement emails indicating where you should be (ideally) in the work and how much you should have completed by that time and each student is responsible for **keeping up with their work**. The suggested work pattern is to do at least one Lab per week. If you choose to wait until the last few hours to complete your work, you are taking the chance of having something preventing you from completing the work, much to your unhappiness, since the work will **not** be reopened.

This course is designed in a format that divides the 12 Labs in half with Labs 1-6 open during the first half of the semester and then Labs 7-12 open during the second half of the semester with Lab 12 (virtual fetal pig dissection) making up Exam 2. This results in a work load of ~ one Lab per week.

Each Lab will include different activities that may include a kitchen-based or virtual experiment with required write-up submission that may include specific digital pictures of work, a quiz based on included text, and/or an assigned article with accompanying questions to be submitted with answers. **The only way we can verify that the student(s) did the experimental work is for it to be supported by the accompanying pictures with each and every picture having a hand written card with student(s) name and ID number within the picture.** Any assignment submitted with a picture or pictures **NOT including the hand written card will NOT be accepted and will be returned to the student(s) with and assigned 0 points and feedback to resubmit with said card in every picture. So DO NOT waste your money and time completing an experiment and not including the hand written card in EVERY picture submitted.**

For specific Lab Assignments (indicated in Instructions), students may work in groups. If you are working in a group, only one student (group leader) will submit the Lab Assignment write-up through the "Submit-it" link. In the submission, that student (group leader) will identify all the members of the group. **The card or paper that must be included within every submitted picture must have all of the members' names and numbers hand-written on it. You must also submit at least one picture that includes all members of the group in the picture (a group selfie will do) and that picture must include the ingredients/supplies for that specific experiment and a hand written card with all names and numbers.** That means you MAY NOT use the same selfie picture for all group experiments. All of the other members of the group (those not submitting the work) must also submit a statement (through the "Submit-it" link) of whose group you belong to. If you do not submit this statement, there will be no way of assigning you points for the work. All members are responsible for the quality of the work and confirming that the work has been submitted.

Only some Assignments must be submitted with pictures of the experiment. Those lab assignments' instructions will tell you what specific pictures are needed for your submission (seen on the Dropbox/ Submit it link). Pictures can be taken with one camera, developed, and then the specific pictures can be attached to the specific assignments before they are submitted.

As explained previously, Lab assignments will **NOT** be accepted without these supporting pictures and **every** picture **MUST** have within the picture a card or piece of paper with your name and Panther ID# hand-written on it. You may NOT photoshop a label into the picture; it must be hand written with your name and number or, if working in a group, the names and numbers of each member of the group. This also means that all members of the group must be present for the experiment work.

All submitted work MUST be in the student's own words. Some Lab Assignments are answering questions about a specific article. You may NOT copy and paste answers from the article. Any submissions not in the student's own words will be returned with 0 points and feedback to resubmit in your own words.

The semester is divided into two halves. The dates stated below are when the mentioned Labs open. The labs stay open until the stated closing date. Which means Labs 1-6's text material are open from January 13 - March 3, with the quizzes closing at 9am on February 24 and the Assignments with the potential for earning full points due on the same time and day. Lab Assignments submitted after 9AM, February 24 but before 9AM, February 27, will be viewed as a late submission and may have up to 30% of potential points deducted. It is each student's responsibility to check their My Grades to determine if they have earned the maximum number of points for a submitted Assignment. **If they have not earned all possible points, they should reopen their submission to read the feedback and then resubmit.** Each Assignment may be submitted up to 3 times.

Assignments submitted during the late submission period may not be returned to the student with feedback in time for the student to resubmit.

Exam 1 covers the material from Labs 1-6 and it opens on February 24, 9AM, and closes on March 3, 9AM. As with the quizzes, there is NO late submission period.

Labs 7-11's text material are open March 3 - April 21 with the quizzes closing at 9am on April 14 and the Assignments, with the potential for earning full points, due on the same time and day (April 14). **Lab Assignments submitted after 9AM April 14 but before 9AM, April 17 will be viewed as a late submission and may have up to 30% of potential points deducted.** It is each student's responsibility to check their My Grades to determine if they have earned the maximum number of points for a submitted Assignment. If they have not earned all possible points, they should reopen their submission to read the feedback and then resubmit.

Assignments submitted during the late submission period may not be returned to the student with feedback in time for the student to resubmit.

Exam 2 which is part of Lab 12 will be open ;;April 14 - April 21 from 9am to 9am. Exam 2 is drawn from Lab 12, but while it covers material from all of the Labs studied throughout this semester, Lab 12 also has included text.

Discussion Forums

Keep in mind that your discussion forum postings will likely be seen by other members of the course. Care should be taken when determining what to post.

Assessments

In order to mitigate any issues with your computer and online assessments, it is very important that you take the “Practice Quiz” from each computer you will be using to take your graded quizzes and exams. It is your responsibility to make sure your computer meets the minimum [hardware requirements](#).

Assessments in this course are not compatible with mobile devices and should not be taken through a mobile phone or tablet. If you need further assistance please contact [FIU Online Support Services](#).

Quiz and Exam Expectations:

- Please note that the semester is divided into two periods:

January 13-March 3	Labs 1-6
February 24 - March 3	Exam 1
March 3- April 21	Labs 7-11
April 14 - April 21	Lab 12/Exam 2

- Quiz duration: 30 minutes Exam duration: 1 hour
- Details for results:
 1. Students will be able to see the results immediately after Quiz or Exam.
 2. Students will they be able to see the total earned score only.
 3. Students may take each Quiz or Exam 2 times. But if you choose to do so, you will receive the **average** of the two scores. Questions on the second attempt may be different from the first attempt.
- Each student will be required to enter into a "course contract" with the Instructor by taking the INSTRUCTOR-STUDENT CONTRACT QUIZ found on the Course Content page and under Assessments. This contract specifies that you have read the Syllabus and therefore understand the time frame for completion of the Exams, Quizzes, and Discussion Postings. You do not receive points for this quiz. But completing it and earning a perfect score is a requirement for accessing Exam 1. You may take the quiz as many times as is required for you to earn a perfect score.

Grading

The Instructor has no specific control over what is seen in the student’s “My Grades”. It shows students what scores have been earned on completed work. My Grades does NOT show missing work. So it is each student’s responsibility to keep a record of assigned work (as seen in the Syllabus) and use that list to check the My Grades information,

thereby confirming that the student has completed all of the necessary work. **It is NOT Blackboard's responsibility to inform students that they have not completed specific quizzes or exams.** Any figures shown on My Grades, such as 158 (earned points)/ 340 (total points), will NOT be used to calculate your grades since it does not reflect the weights seen below or missing work. *Every semester, I have at least one student who is sure they completed all of the work. But it turns out they did not take quizzes or an Exam. So as a way to double check your work, I would strongly suggest that when you have double checked your work by comparing the assigned material in the syllabus to the score you have earned in your MyGrades, take a screenshot of your MyGrades page and save it.*

Course Requirements		Number of Items	Points for Each	Total Points Available	Weight
Quizzes		9	10	90	25%
Exams		2	50	100	40%
Assignments		9	varied	145	35%
Total					100%

Letter	Range (%)	Letter	Range (%)	Letter	Range (%)
A	Above 93	B-	80 - 82	D	60 - 69
A-	90 - 92	C+	77 - 79	F	< 60
B+	87 - 29	C	70 - 76		
B	83 - 86	D+	67 - 69		

Adobe Connect Pro Meeting

No Adobe Connect Pro Meeting

Course Calendar

Weekly Schedule

Date	Tasks
	Welcome to Human Biology Lab - Read information on Homepage and Syllabus and familiarize yourself with the Blackboard online course structure by looking at Lab 1 (quizzes and assignments will not open until January 13).
January 9	Review Shopping list for items to be used in hands-on (kitchen-based) lab experiments. This list is linked on the Course Material page. - Take Student-Instructor Quiz (You may take this as many times as is necessary to earn a perfect score. While this score will not be part of your

Date	Tasks
<p data-bbox="289 247 467 275">1st Period</p> <p data-bbox="289 1115 467 1186">January 13 - February 27</p>	<p data-bbox="532 247 1537 317">grade, Exam 1 (February 24 - March 3) will not be available for you until the perfect score is earned.)</p>
	<p data-bbox="532 327 1537 354">Lab 1 - Scientific Method; Metric System</p> <p data-bbox="532 405 1537 432">includes:</p> <ul data-bbox="532 443 1537 730" style="list-style-type: none"> <li data-bbox="532 443 1537 541">- Height/Arm Span Data collected from a previous semester's class has generated a data set for this course...this data set will be used to explore the process of scientific inquiry, focusing on Scientific Method <li data-bbox="532 552 1537 651">- An Assignment, based on exploration of Scientific Method and utilizing class data set will be submitted. On-time submission: February 24, 9AM; late submission by 9AM, February 27 <li data-bbox="532 661 1537 730">- A quiz which will cover metric system and Scientific Inquiry. close 9AM February 24; no late submission period
	<p data-bbox="532 768 1537 795">Lab 2 - Microscope & Cells</p> <p data-bbox="532 806 1537 833">includes:</p> <ul data-bbox="532 844 1537 1056" style="list-style-type: none"> <li data-bbox="532 844 1537 871">- Cellular Respiration, a hands-on (kitchen-based) lab experiment <li data-bbox="532 882 1537 980">- An Assignment consisting of experiment questions/write-up using Scientific Method to analyze experiment outcomes. On-time submission: February 24, 9AM; late submission by 9AM, February 27 <li data-bbox="532 991 1537 1056">- A quiz covering information illustrated in Microscope material; close 9AM February 24; no late submission period
	<p data-bbox="532 1094 1537 1121">Lab 3 – Homeostasis includes:</p> <ul data-bbox="532 1131 1537 1381" style="list-style-type: none"> <li data-bbox="532 1131 1537 1159">- Acid/Base Indicator, a hands-on (kitchen-based) lab experiment <li data-bbox="532 1169 1537 1268">- An Assignment consisting of experiment questions/write-up using Scientific Method to analyze experiment outcomes and answer questions related to Homeostasis. On-time submission: February 24, 9AM; late submission by 9AM, February 27 <li data-bbox="532 1278 1537 1381">- A quiz covering material illustrated in Respiratory; close 9AM February 24; no late submission period
	<p data-bbox="532 1419 1537 1446">Lab 4 – Biomolecules includes:</p> <ul data-bbox="532 1457 1537 1787" style="list-style-type: none"> <li data-bbox="532 1457 1537 1484">- Text that gives a background on Biomolecules <li data-bbox="532 1495 1537 1522">- Explanation of a typical lab's Biomolecules Experiments <li data-bbox="532 1533 1537 1602">- 4 URL's linking to interactive exercises exploring the structure and functions of Biomolecules <li data-bbox="532 1612 1537 1711">- A Guide to Biomolecules that poses questions to be considered as the student finishes each Activity. This Guide will help prepare the student for the Biomolecules Quiz. <li data-bbox="532 1722 1537 1787">- A quiz covering the Biomolecules material provided in this Lab; close 9AM February 24; no late submission period
<p data-bbox="532 1824 1537 1852">Lab 5 – Cardiovascular includes:</p> <ul data-bbox="532 1862 1537 1894" style="list-style-type: none"> <li data-bbox="532 1862 1537 1894">- General information on the Circulatory System 	

Date	Tasks
February 24 - March 3 EXAM 1	<ul style="list-style-type: none"> - Illustration of Heart Anatomy - URL to BioCoach Activity for "The Beating Heart" and "The Vascular Highway"; a quiz will be taken at the end and then included as part of the Cardiovascular Lab Assignment - Heartbeat and Pulse Rate Experiments, to be performed with a helper - Assignment that will include questions from Heartbeat and Pulse Rate Experiments and quiz taken at end of BioCoach Activity. On-time submission: February 24, 9AM; late submission by 9AM, February 27 - A quiz covering Cardiovascular material and information given during the BioCoach Activities; close 9AM February 24; no late submission period <p>Lab 6 - Cell Structure includes:</p> <ul style="list-style-type: none"> - General information on Cell Structure - A background on the processes of Diffusion and Osmosis - Diffusion and Osmosis - a hands-on (kitchen based) lab experiment - An Assignment consisting of experiment questions/write-up using Scientific Method to analyze experiment outcomes and answer questions related to Diffusion and Osmosis. This experiment takes a couple of days to complete, so give yourself enough time. on-time submission. On-time submission: February 24, 9AM; late submission by 9AM, February 27 - A quiz on material covered in Cell structure and Diffusion info; close 9AM February 24; no late submission period <p>EXAM 1 opens <u>0900 (9:00 AM)</u>, February 24; closes <u>0900 (9:00 AM)</u>, <u>March 3</u></p> <p><i>*None of these Labs (7-11) will require materials for a kitchen-based experiment nor will they require pictures.</i></p> <p>Lab 7 (individual work only) - Digestion, Nutrition, Ideal Weight includes:</p> <ul style="list-style-type: none"> - Keeping a Physical Activity Diary which will be utilized in completing an Activity Intensity Summary, an Energy Cost for Activities exercise, and an Estimation of Total Energy Expenditure exercise. - A Nutrition Assignment will include questions answered from information recorded and calculated using the previous exercises. This Assignment takes 3 days to complete, so give yourself enough time. On-time submission: 9AM, April 14; late submission by 9AM, April 17. <p>Lab 8 - Musculoskeletal; Tissues includes-</p> <ul style="list-style-type: none"> - links to Musculoskeletal text, Adduction-Abduction, Inversion, and Isotonic-Isometric illustrations and information - link to Article: <u>Preserving a Fundamental Sense: Balance</u> which will be the basis of a Balance experiment - Balance experiment Assignment, in which student will write up results of
2nd Period March 3 - April 17	

Date	Tasks
<p data-bbox="289 285 415 312">EXAM 2</p> <p data-bbox="289 359 505 422">April 14 - April 21</p>	<p data-bbox="532 247 678 275">performing</p> <p data-bbox="532 285 1487 457">Balance experiment and using observations made about other members of their family or friends, create hypotheses that will relate to importance of maintaining musculoskeletal strength in terms of being able to maintain balance. On-time submission: 9AM, April 14; late submission by 9AM, April 17.</p> <p data-bbox="532 468 1520 495">- a Quiz on the material covered in the previous links. closes 9AM, April 14</p>
	<p data-bbox="532 537 1219 564">Lab 9 - Reproduction; Birth Control; STDs includes:</p> <ul data-bbox="532 575 1487 716" style="list-style-type: none"> - 4 Articles relating to issues of Reproduction, Birth Control, and STD's - A question based Exercise referencing the 4 Articles - Assignment made up of answered questions. On-time submission: 9AM, April 14; late submission by 9AM, April 17.
	<p data-bbox="532 758 1182 785">Lab 10 - Nervous System; Senses; Drugs includes:</p> <ul data-bbox="532 795 1503 1083" style="list-style-type: none"> - a link to an interactive exercise in Understanding Addiction - 4 Articles covering Nervous System topics. - link to questions on 4 Articles, focusing on analyzing information given in the Articles - Assignment of Articles' questions. On-time submission: 9AM, April 14; late submission by 9AM, April 17. - a Drug Addiction quiz on material covered in interactive exercise. closes 9AM, April 14
	<p data-bbox="532 1125 902 1152">Lab 11 – Genetics includes:</p> <ul data-bbox="532 1163 1455 1304" style="list-style-type: none"> - links to interactive websites: Gene on a Chromosome, Finding a Gene, Human Genetics, Genetic Traits, and Inherited Disease - link to a Lab Review - Quiz on material covered in Genetics Lab. closes 9AM, April 14
	<p data-bbox="532 1314 1438 1341">Lab 12 - The virtual Fetal Pig Dissection will be the basis for Exam 2. Questions will be drawn from the actual Virtual Dissection and from information on the organ systems that are found in both pigs and humans.</p>
	<p data-bbox="532 1461 1520 1493">EXAM 2 opens 0900 (9:00 AM), April 14; <u>closes 0900 (9:00 AM)</u>, April 21.</p>