

Lab Book: Goulet. 2020. Biological Sciences 103, Inquiry into Life Laboratory: Human Biology (2019-2020). REQUIRED.

BISC 103 – Syllabus – Spring 2020

Each class will be divided into two groups (**Red & Blue**). Everyone must come to labs that are designated “All.” Otherwise, come to the labs that are designated with your group color (**Red or Blue**). Labs run Tues., Wed. and Thurs.

LAB #	TEAM	DATE	LAB TOPIC	ASSIGNED WORK	TOTAL PTS
		Jan. 21-23	NO LABS		
LAB 1	All Teams	Jan. 28-30	Introduction, Clicker Training, Scientific Method	Lab 1 Hand In (10 pts)	10 pts
LAB 2	Red teams	Feb. 4-6	Osmosis experiment	Clicker Quiz 1 (10 pts) Lab 2 Hand In (30 pts)	40 pts
	Blue teams	Feb. 11-13	Osmosis experiment	Clicker Quiz 1 (10 pts) Lab 2 Hand In (30 pts)	
LAB 3	Red teams	Feb. 18-20	Digestive System	Clicker Quiz 2 (10 pts) Lab 3 Hand In (25 pts)	35 pts
	Blue teams	Feb. 25-27	Digestive System	Clicker Quiz 2 (10 pts) Lab 3 Hand In (25 pts)	
LAB 4	All Teams	Mar. 3-5	Chromosomes & Karyotyping Genes and Alleles	Clicker Quiz 3 (10 pts) Lab 4-1 Hand In (35 pts) Karyotyping Homework	45 pts
		Mar. 10-12	NO LABS – SPRING BREAK		
LAB 5	All Teams	Mar. 17-19	Human genetics “How many CATs” simulation	Clicker Quiz 4 (10 pts) Lab 5-1 & 2 Hand In (45 pts) Karyotyping HW Due (10 pts)	65 pts
LAB 6	Red teams	Mar. 24-26	Restriction Mapping of DNA Preparation of presentations	Clicker Quiz 5 (10 pts) Lab 6 Hand In (15 pts) Presentation Outline	25 pts
	Blue teams	Mar. 31-Apr 2	Restriction Mapping of DNA Preparation of presentations	Clicker Quiz 5 (10 pts) Lab 6 Hand In (15 pts) Presentation Outline	
LAB 7	Red Teams	Apr. 7-9	STDs & Contraception	Clicker Quiz 6 (10 pts) Lab 7 Hand In (20 pts) Presentation Outline Due (19 pts)	49 pts
	Blue Teams	Apr. 14-16	STDs & Contraception	Clicker Quiz 6 (10 pts) Lab 7 Hand In (20 pts) Presentation Outline Due (19 pts)	
LAB 8	All Teams	Apr. 21-23	Excretion & Urinalysis	Clicker Quiz 7 (10 pts) Lab 8 Hand In (20 pts)	30 pts
LAB 9	All Teams	Apr. 28-30	Presentations	Student Presentations (76 pts)	76 pts

Teaching Assistant:

Email:

Office:

Office Hours:

Coordinator of Laboratory Programs: Dr. Denis Goulet

Office: Shoemaker 204

Office Hours: By appointment

Email: dgoulet@olemiss.edu

Phone: (662) 915-7213

Learning Objectives for the lab

1. Students will have an understanding of the structure and function of organ systems and bodily functions.
2. Students will have an understanding of human health in the context of biological principles.
3. Students will understand several aspects of scientific methods including hypothesis testing and the use of models.
4. Students will be able to use that understanding in addressing topics of current interest.
5. Students will be able to do an effective oral presentation.

Policies that will be STRICTLY ENFORCED

1. **NO EXCUSES** will be accepted for not having a lab manual for the class. **No manual = Zero (0) for lab.**
2. **NO EXCUSES** will be accepted for not having a clicker. **No Clicker = Zero (0) on Quiz.**
3. **Only a VALID** excuse will be considered for a possible make up.
4. **Attending a different lab WITHOUT PERMISSION** will result in a **Zero (0) for the lab.**
5. **One (1) week after grades are posted, GRADES ARE FINAL and no changes will be made.**
6. **Final grades are FINAL. NO extra credit, bonus, drop grade, curving, rounding, etc.**

Lab Manual Policy – STRICTLY ENFORCED

- A. Students must have a lab manual. Having **difficulty getting a manual, contact Dr. Goulet** before your class begins.
- B. Students must bring their lab manual to each lab. **Failure to bring the lab manual will result in a Zero (0) for the lab. Photocopies of lab worksheets will NOT be provided nor can they be brought to the lab.**
- C. **NO EXCUSES** will be accepted for not having a lab worksheet to complete in the lab.
- D. If your lab manual is **lost, stolen, or has disappeared**, you will need to **purchase a new lab manual.**

Clicker Policy – STRICTLY ENFORCED

- A. Students must have a **Turning Technologies QT or QT2** clicker. If you have the same clicker from another course, you may use the same clicker. Having **difficulty getting a clicker, contact Dr. Goulet** before your class begins.
- B. Students must have a **Turning Technologies Account**. Accounts are created by using Blackboard.
- C. Students must **purchase** a Turning Technologies **clicker subscription**.
- D. Students must **enter the subscription code and clicker device ID into their Turning Account**.
- E. You are responsible for the following:
 1. Bringing your clicker to every lab. **NO excuses** (forgot, lost, stolen, can't afford, etc.) will be **accepted** for not having a clicker. **No Clicker = Zero (0) on Quiz.**
 2. Your **clicker must be registered in your Turning Account**. If you **do not register your clicker**, you will NOT receive a grade (i.e. **your grade = Zero (0)**).
 3. That your clicker is operating, including having enough battery power for an entire class. **Running out of battery power is NOT considered a malfunction**. If your clicker is not in operating order, you will receive a zero (0) for that assignment. If your **clicker malfunctions** during an assignment, you must let your **TA know immediately**, and an accommodation can be provided.
 4. That your **UM username** is correct inside your clicker. If your UM username is incorrect, no grade will be assigned to you and you will **receive a zero (0) for the quiz**.
 5. That you use **ONLY** the clicker that is registered with this class. If you change your clicker, you **must** inform the TA **BEFORE** taking the test. **Using a different unregistered clicker will be result in a zero (0) for the quiz.**
 6. That you are **on the correct channel**. If you are on the wrong channel your grade will be very low, often zero (0). The grade recorded by the software for your class is the grade you will receive.
- F. All grades associated with clicker assignments will **ONLY** be determined from the clicker responses entered and are **FINAL**.
- G. You have **1 week** after clicker grades are posted on Blackboard **to discuss any issues**. (See Grading Policy)

Attendance Policy

- A. **Attendance is required** and may be recorded each day of class.
- B. Students **must attend the first lab meeting** for the section that they are registered in, unless they obtain prior approval.
- C. Students that do not attend the first lab meeting will be dropped from the course.
- D. **To comply with attendance verification requirements, a report of your attendance will be made during the first lab meeting.**
- E. It is the responsibility of the **student to comply with** the class **attendance policies** and **complete assignments, including** those that involve **out-of-class or online participation.**
- F. Students are responsible for **informing instructors in advance about anticipated absences.**

Missed Lab/Assignment Policy – STRICTLY ENFORCED

- A. **Only students with a VALID excuse** (Doctors note, University paperwork, Funeral program, etc.) will be **considered** for a **possible** make up.
- B. Once a lab is completed, it is not possible to make up the lab, **even if you have a valid absence.**
- C. If you miss a lab/assignment for any reason, you must **contact Dr. Goulet (dgoulet@olemiss.edu) immediately.**
- D. Make-ups can **ONLY** be arranged by getting **permission from Dr. Goulet (dgoulet@olemiss.edu).**
- E. When **requesting permission**, you **MUST** send an **email to dgoulet@olemiss.edu** with the following information:
 - 1. your **TA's name**
 - 2. your **Lab section**
 - 3. **copy of your valid excuse** (photo, pdf, etc.)
- F. **Attending a different lab without prior permission** from Dr. Goulet will **result in** being asked to **leave the room** and a **zero (0) for the lab.**
- G. Failure to contact Dr. Goulet about missed labs or assignments will result in a **zero (0) for a grade.** (See Grading Policy).

Presentation requirements

All BISC 103 students are required to do a presentation. The project counts for 76 points and requires an oral presentation, a written outline (19 pts), and a list of citations. This is a group library research project. The topic must be centered on some aspect of human biology. Your TA will assign groups (2 students) and projects. Presentations will be 5 minutes long and presented in **Google Slides only** during the last class meeting.

Grading Policy – STRICTLY ENFORCED

- A. All **grades** will be posted on **Blackboard.**
- B. You are responsible for **checking your grade on Blackboard weekly.**
- C. You have **1 week** after grades are posted on Blackboard **to discuss any issues.**
- D. **After 1 week all grades are final.** There will be **no grade changes for any reason.**
- E. The burden of **proof for any missing grade is your responsibility.** If you cannot prove your grade, then the grade posted will be final.
- F. There are **NO extra credit or bonus assignments.**
- G. **Final grades are NOT rounded or curved.**
- H. Total Points = 375. **We do NOT use percent (%) to determine grades.**

BISC 103 Grading		Total Points	Grade
Quizzes	70 points	337.50-375	A
In-class worksheets	200 points	300-337.49	B
Karyotyping homework	10 points	262.50-299.99	C
Presentation Outline	19 points	225-262.49	D
Presentation & Bibliography	76 points	≤224.99	F
Total	375 points		

Class Conduct

- A. **Cell phones/electronics** must be turned **OFF**, not on vibrate, etc. No texting during class or any time during the laboratory period. If **caught** using a cell phone, your **TA has the right to take away your phone** for the class **or** ask you to **leave, resulting in a zero (0) for the lab**.
- B. **NO food or drink in the lab**. Water bottles are placed inside your bag. Food and liquid in cups are to be thrown out upon entering the lab.
- C. If you have a question about a grade, you have one (1) week from the date of posting on Blackboard to discuss the matter with your TA. If you wait longer than 1 week there will be **NO** change possible. (see Grading Policy).

Academic Dishonesty/Misconduct

We will enforce a **zero-tolerance towards cheating** on any clicker quizzes, or assignments. **Cheating with clickers**, such as tampering with the clicker (e.g. changing username, etc.), clicking from outside the testing room, using two clickers at the same time, using a different unregistered clicker, etc. **will not be tolerated**. Answering worksheet questions is **NOT** a group assignment. Each person is required to answer in his/her own words. **Copying or plagiarizing** of the lab worksheets **will not be tolerated**. If caught cheating, copying or plagiarizing, **all persons involved will automatically FAIL the course** and all persons involved will be reported to the university's Academic Discipline Committee for disciplinary actions.

From the Office of Student Disability Services

It is University policy to provide, on a flexible and individual basis, reasonable accommodations to students who have disabilities that may affect their ability to participate in course activities or meet course requirements. Students with disabilities, which have been verified through the [Office of Student Disability Services](#) (915-7128), are encouraged to contact their instructors to discuss their individual needs for accommodations.

Lab Sections Offered

Time	Tuesday Sections	Wednesday Sections	Thursday Sections
9:00-10:50 AM	1	5 & 6	13 & 14
11:00-12:50 PM	2	7 & 8	15 & 16
1:00-2:50 PM	3	9 & 10	17 & 18
3:00-4:50 PM	4	11 & 12	19