

Bio 103 — PRINCIPLES OF BIOLOGY I LAB — 2023 SUMMER SESSION 1

Course schedule for: Section 1000: Tu&Th 11:40AM - 2:00PM - OR - Section 1001: Tu&Th 5:40PM - 8:00PM

	DATE	LAB TOPIC	QUIZ - IN LAB	ASSIGNMENT - DUE 11PM FRIDAYS
1	MAY TUES 23	REACTION TIME- DATA PRESENTATION (COMPUTER GRAPHING)		A1: REACTION TIME FIRST DRAFT DUE: MAY 26 FINAL DUE: JUNE 2
2	THUR 25	MICROSCOPY & PIPETTING		
3	TUES 30	MOLECULAR BIO I: PREP DNA FOR PCR	Q1: MICROSCOPY	
4	JUNE THUR 1	MOLECULAR BIO II: DIGEST DNA. RUN DNA ON GEL	Q2: PCR	
5	TUES 6	CELLULAR RESPIRATION	Q3: GEL ELECTROPHORESIS:	A2: CELL RESPIRATION DUE: JUNE 16
6	THUR 8	MITOSIS/MEIOSIS	Q4: CELL RESPIRATION	
7	TUES 13	GENETICS	Q5: MITOSIS & MEIOSIS	
8	THUR 15	<u>DAPHNIA</u> PHYSIOLOGY	Q6: GENETICS	A3: <u>DAPHNIA</u> PHYSIOL. DUE: JUNE 23
9	TUES 20	GENETIC VARIATION & GENE EXPRESSION	LAB PRACTICAL	SHEET DUE IN CLASS: GENETIC VARIATION & GENE EXPRESS SHEET
10	THUR 22	CIRCULATORY SYSTEM & HEART DISSECTION	Q7: GENETIC VARIATION & GENE EXPRESSION	EXTRA CREDIT +1 PT- HEART DISSECTION (COMPLETED IN LAST LAB) +1 PT - REVIEW BIOLOGICAL RESEARCH TALK OR PAPER. (SUBMITTED ON BS)

A	94
A-	90
B+	87
B	84
B-	80
C+	77
C	74
C-	70
D+	67
D	64
F	< 64

Grading— this is a 1 credit course. Your lab grade will appear on your transcript.

This course is taken in conjunction with BIO 101 or BIO 110 lecture.

Lab grade breakdown:

Quizzes	60%	(7 quizzes, lowest dropped at end of semester)
Assignments	26%	(3 assignments, lowest dropped at end of semester)
Assignment 1 first draft	2%	
Lab Practical	10%	(1 practical)
Participation	2%	(- 0.01pt absent. -1pt for not participating.)

Students missing 4 labs for ANY reason can NOT pass course.)

Possible extra credit: + 2% +1: review scientific paper or talk. +1: heart dissection in lab.

Students missing 4 labs for ANY reason cannot pass this class.

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TA names: Sect 1000: Tu&Th 11:40AM - 2:00PM TA: TBD
 Sect 1001: Tu&Th 5:40PM - 8:00PM TA: TBD
Lab Coordinator: Linda Forrester LindaForrester@uri.edu
Lab in CBLS 340, 120 Flagg Road, Kingston Campus, URI, Kingston, RI 02881

Student learning outcomes

Apply important biological concepts and draw conclusions from biological experiments.
Effectively synthesize, summarize, and communicate results of experiments.
Conduct experiments and evaluate the quality of experiments in lab reports (assignments).
Demonstrate effective use laboratory equipment.

Text: — BIO 103 Principles of Biology Lab I Manual, URI edition.

Purchase from URI Campus Store website or URI Campus Store in URI Memorial Union.

To purchase e-manual:

Enter: BIO 103 to buy the electronic lab manual for this course.

To purchase a hard-copy-book lab manual:

Enter: BIO 103 , then select the OPTIONAL version when selecting the materials for BIO 103.

Attendance — Attend every lab.

This is an active learning laboratory experience. Attendance is mandatory.

Students missing lab, or not participating, will lose the ½ point for class participation for that day.

The ½ point loss applies to both excused and unexcused absences.

Students missing more than 3 labs for ANY reason will receive grade of F, or Incomplete with medical documentation.

See URI guidelines for excusable absences and contact TA as soon as possible.

Students with class exams that conflict with lab meeting times must tell TA immediately.

(This may be a problem for students in late afternoon or night labs.)

Punctuality & quizzes –

Be on time.

There will be a quiz at the beginning of most labs. Some quizzes will include points for completing the pre-lab assignment. Pre-labs must be submitted at beginning of class and must be hand-written.

Quizzes are given at the beginning of class. You will have 15 minutes to complete the quiz.

Students with excused absences or extended time can take quizzes at the end or beginning of lab.

Assignments — Assignments must be submitted via the Brightspace portal. Late assignments are accepted but with a “10% off per day” penalty, maximum of 50% off. Assignments are accepted later but students must contact TA to alert them about the late submission. There are 3 assignments. The highest 2 assignment scores will count toward the assignment grade.

Summer 2023-- Assignments are due at 11pm on Fridays according to the syllabus. We encourage you to submit your assignments earlier than this time. Your TA will help you during lab, and sometimes outside of lab, but will not be available late Friday night.

Safety— No food or drink is allowed in the lab EVER – water bottles may be stored in backpacks.

Wear sensible clothing and use caution to protect yourself from hazardous laboratory equipment and chemicals. Notify TA immediately if there is any injury or hazardous activity. Students not following safety rules must leave the lab-room.

EVERY person in the Introductory Biology Labs will be required to wear a face mask, regardless of vaccination status. The face mask must fit close to the face. A face shield alone is not acceptable. Face masks must be worn for the entire time in the lab room. This rule is in place to protect those teachers and students who cannot be vaccinated for medical reasons.

Students not wearing a mask over their nose and mouth must leave the lab.

Maintain academic standards.– Do your own work at all times. We will share lab data, but every student is expected to create their own assignment reports independently, and to setup and photograph their own take home labs independently.

Students must provide citations for any work obtained from other people or sources. Cheating & plagiarism will be dealt with according to University of RI guidelines.

Any quiz, take home lab, review paper, or assignment that TA has reason to believe is plagiarized *in whole or in part* will receive a grade of zero and the student(s) involved will be reported to the Office of Student Life.

Follow the lab schedule to determine what quizzes and homework assignments are due. If there are any changes to the schedule, TA will notify students with as much notice as possible.

Grading — this is a 1-credit course. This course is taken in conjunction with BIO 101 or BIO 110 lecture. Your lab grade will appear on your transcript. See breakdown details on syllabus page 1.

Letter grades assigned

See syllabus page 1 for the breakdown of how letter grades will be assigned.

Lowest quiz and lowest assignment grades will be dropped from the BrightSpace grading platform → after all grades are entered. Students are expected to monitor the BS grade site to ensure their grades are entered correctly AND to ensure their attendance is recorded correctly. Contact the TA immediately if there is a problem with the grade pages. All grading in BIO 103 strictly follows the grading rubrics designed by the course manager.

Academic Enhancement Center (AEC): Located in Roosevelt Hall.

The AEC offers free face-to-face and web-based services to undergraduate students seeking academic support. Peer tutoring is available for STEM-related courses by appointment online and in-person. The Writing Center offers peer tutoring focused on supporting undergraduate writers at any stage of a writing assignment. The UCS160 course and academic skills consultations offer students strategies and activities aimed at improving their studying and test-taking skills.

Details about all on the AEC website, uri.edu/aec.

STEM Tutoring - for 100 and 200 level math, chemistry, physics & **biology** courses.

The STEM Tutoring program offers free online and limited in-person peer tutoring.

Select from occasional or weekly appointments. Appointments and locations will be visible in the TutorTrac system: aec.uri.edu. More info at uri.edu/aec/tutoring.

Disability, Access, and Inclusion (DAI) Our teaching team values diversity and inclusion.

We are committed to a climate of mutual respect and full participation. Our goal is to create learning environments that are usable, equitable, inclusive, and welcoming. If there are barriers to your inclusion, accurate assessment, or achievement, please contact the lab manager, LindaForrester@uri.edu and the URI office of Disability, Access, & Inclusion (DAI) in the Office of Student Life, 330 Memorial Union. Call: 401-874-2098.

[Submit your DAI accommodation information and letter](#) early in the semester so we can arrange your approved academic accommodations.

If you have not yet established services through DAI, contact them to engage in a confidential conversation about the process for requesting reasonable accommodations in the classroom.

DAI contacts: 401-874-2098 | web.uri.edu/disability | dai@uri.edu

Anti-Bias Syllabus Statement: We respect the rights and dignity of every individual and every group.

We reject prejudice and intolerance. We work to understand differences. We believe that equity and inclusion are critical components for campus community members to thrive.

If you are a target or a witness of a bias incident, please submit a report to the URI Bias Response Team at www.uri.edu/brt.

Biological Sciences Bereavement Policy

If you are grieving or have experienced the death of a loved one, the Biological Sciences faculty, staff, and TAs understand and want to support you during this difficult time. Please contact your instructor or Lab TA to discuss your situation. Also, to discuss questions about missing class or assignments, we encourage you to contact the dean of your college. The deans can notify all your instructors about your circumstances. If you are not sure who is your dean, please contact the deans listed below.

Contact the dean in University College: call 401-874-5903. Ask to speak to the UC Dean about a private matter.

Contact the dean in CELS: contact Dean Kim Anderson (kand@uri.edu; 401-874-5026), in CELS Student Affairs.

The University Counseling Center can offer further support.

Contact them at 401-874-2288 or <https://web.uri.edu/counseling/crisis/>

The URI Counseling Center service is paid for by your student fees so it will not cost you anything to talk with them. We encourage you to call; it might help you.