

BSC1010L-GEN BIOLOGY-I-LAB (1 cr) SYLLABUS FALL-2022

THU 8am-10:30am [L04]

PROFESSOR:

Dr. G. Hacisalihoglu Email: gokhan.h@famu.edu AND Canvas-Inbox -Office Hours: Mon 3-4 and by app't Zoom

REQ.1: TEXTBOOK: "BSC1010-LABORATORY MANUAL" (orange cover, avail at bookstore)

REQ.2: Laptop computer REQ.3: All missed exam(s) require "Official Dean's Excuse Note".

COURSE CALENDAR: PROF. RESERVES THE RIGHT TO MODIFY COURSE MATERIAL, COMMUNICATION WILL BE PROVIDED THROUGH CANVAS: [HTTPS://FAMU.STRUCTURE.COM](https://famu.instructure.com)

WEEK	LAB TOPIC	READ	GRADED ITEMS	POINTS
Aug.22	Lab Safety /Quantification of Data	Ch.1		
Aug.29	Microscope & Cell	Ch.2,3	TEST.1	100
Sep.5	-----HOLIDAY (NO LAB)		TEST.2	100
Sep.12	Chemistry of Life	Ch.4	TEST.3	100
Sep.19	TEST#1 =In-Classroom	1,2,3,4	L.REPORT	50
Sep.26	Cell Membrane	Ch.5	PRESENT	20
Oct.3	Enzymes Lab	Ch.6	Total=	370pts
Oct.10	Photosynthesis	Ch.7	GRADING SCALE	
Oct.17	TEST #2=In-Classroom	5,6,7	A	>90%
Oct.24	Mitosis & Meiosis / Corn-planting	Ch.8/9	B	80-89%
Oct.31	Mendelian Genetics	Ch.13	C	70-79%
Nov.7	-----HOLIDAY- (NO LAB)		D	60-69%
Nov.14	Chi-Square / STU.Presentations/ /LAB-REPORTS due)	Ch.11	F	<59
Nov.21	-----THANKSGIVING HOLIDAY			
Nov.28	Review			
Dec.5	TEST #3=In-Classroom	8,9,11,13		

COURSE DESCRIPTION:

This survey laboratory is designed to expose biology majors to basic principles of biology through experiments and other procedures to reinforce material that has been or will be covered in the associated lecture. Develop an understanding of the process of science. Develop an understanding of the basic unit of life, its complexity and diversity. Develop an understanding of the basic principles of heredity and how they relate to inheritance of traits in humans. Develop an appreciation of the organization of living organisms.

>>>Expected Learning Outcomes: A student who successfully completes this course will be able to:

- Define or describe the general terms, structures and concepts associated with each of the major topics discussed
- This outcome will be assessed by examinations in the laboratory.
- Demonstrate oral and written communication skills.
- This outcome will be assessed by examinations in lab, the scientific paper (lab report), and one oral presentation.
- Be able to analyze and interpret data, and critically interpret scientific information.

This outcome will be assessed by examinations in lecture and laboratory. Also case studies, data interpretation will be included on worksheets and lab exercises.

These learning outcomes correspond to the "Academic Learning Compacts" of the Department of Biology at Florida A&M University. Please see following web site for a complete explanation <https://www.famu.edu/administration/strategic-planning-analysis-and-institutional-effectiveness/university-assessment/academic-learning/current-alcs.php>

-Biology Education Requirements: This course covers Sunshine State Standards: Process of Life (F.1) & Nature of Science (H.1, H.3). Safety rules and lab report due dates will be discussed in the 1st lab. All presentation will be graded using a rubric.

COURSE ASSESSMENT / GRADING:

All exam must be taken in Classroom (Face 2 Face). Students cannot be absent from labs (max. 3 excused labs) and earn a reasonable grade! And work is not an excuse.... (There is no curve in this course). Grades are only based on 3 Tests+1 report+1 Talk. No Make up Exam given. If you miss an exam, YOU MUST PROVIDE A VALID WRITTEN DEAN'S LETTER explanation to me in person in class within

7 days of the exam and before the last day of class. Do not contact me via email for this. →Incomplete (I) grades will not be assigned unless the student has an excused emergency which prevented the completion of course and is passing the course before the emergency occurred. . Students who feel that their grade has errors should submit a written request within **7 days** of exam results announcement, accompanied by an explanation of why additional points are warranted. There will be no score correction considerations after the following exam so check your standing before the final exam.

OTHER POLICIES:

All labs are mandatory. There is a **5-points/per day penalty for each unexcused absence**. You must arrive in lab on time, remain the entire lab periods, and not be disruptive. If you miss an experiment, you are not allowed to make up the work at another time. **Missing 3+labs (excused/or unexcused) will FAIL this lab.** --**ACADEMIC INTEGRITY:** If a student is suspected of or caught cheating, he/she will receive a ZERO on the exam or lab work or assignment. "Suspected" includes, but is not limited to, copying info from a neighbor, requesting answers during an exam/electronically, looking at electronic device, cheat sheets, written notes on/around desk, and leaving during the exam, tapping noises, not keeping exam on desk, altering a marked scantron, lying false info/excuse re:to have completed exam/assignment. An open book, cell-phone, ipad, app., receiving any personal or group message during exam means =cheating=. Student device may be searched, scores invalidated, and student may be moved to a new seat. Any case of academic dishonesty is reported to Dean.

→ Students are expected to treat instructor in a respectful manner. Destructive student behavior include & will be dismissed from class: →Refusal to comply with Professor's directions, lab rules, →use of cell phones in class, →entering late/leaving early, →using headphones, laptops, ipods in class, →Hostility, angry/offensive (verbal/non-verbal) comments by student, →texting, surfing internet will not be tolerated.

LAB SAFETY POLICIES:

-CDC state that both unvaccinated and vaccinated individuals can transmit the COVID-19. We expect you to help mitigate the spread. Thank you!

-Cell phones should be **TURNED OFF** and **PUT AWAY** on **ENTERING** the lab. If a cell phone rings while class is in session, the student WILL BE ASKED TO LEAVE THE LAB and BE MARKED ABSENT for that day. Cell phones should **NOT** be used as a calculator in any scheduled exam. - *All cell phones must be turned off during an exam. Cell phones are to be placed with the students belongings prior to an exam. A ringing cell phone will result in a 20 point deduction from the student's exam.* No cell phone use at all during exams.

-Eating, drinking, and chewing gum are expressly forbidden and **ABSOLUTELY NOT** allowed in the laboratory. If you have water bottles, keep them in your bags; they cannot be sitting on the lab benches.

-Be prepared to work when you arrive at the laboratory. Familiarize yourself with the lab procedures before beginning the lab. For group work each student should interpret data and answer questions separately unless directed otherwise.

- Clothing should be appropriate for working in the lab. Ideally, dress for lab should include A WHITE LAB COAT, long pants, shoes which cover the entire foot AND hair must be tied up.

-Do not taste, touch, or smell any reagents unless directed to do so by teacher. When smelling chemicals gases, use a wafting motion to direct the odor toward nose.

Policy Statement on Non-Discrimination: It is the policy of Florida A&M University to assure that each member of the University community be permitted to work or attend classes in an environment free from any form of discrimination including race, religion, color, age, disability, sex, marital status, national origin, veteran status and sexual harassment as prohibited by state and federal statutes. This shall include applicants for admission to the University and employment.

Academic Honor Policy Statement: Florida A&M University is committed to academic honesty and its core values, which include scholarship, excellence, accountability, integrity, fairness, respect, and ethics. These core values are integrated into this academic honesty policy. Being unaware of the Academic Honesty Policy is not a defense for violations of academic honesty. Additional detail on FAMU Academic Honesty Violations are provided in University Policy 2.012 (10.)s). If you have any questions, please see your Academic Advisor.

University Americans with Disabilities Act (ADA) Statement: The Florida A&M University Americans with Disabilities Act (ADA) Policy Statement states that "Individuals who need a reasonable accommodation must notify the Office of Equal Opportunity Programs at 599-3076." It is the responsibility of the FAMU Equal Opportunity Programs (EOP) Office, through the ADA Coordinator, to ensure the Florida A&M University is in compliance with the Americans with Disabilities Act. If you have any questions, please contact your Academic Advisor or the University EOP Officer, Equal Opportunity Programs, 674 Gamble Street, Tallahassee, FL 32307, (850) 599-3076.

****Not having read this syllabus or CANVAS-announcements will not constitute an excuse for missing an assignment, exam****

LAB REPORT SCORING RUBRIC

APA-Format /5 pages (1.5 space). Students will work in groups and every group will write a report on a different lab

DIMENSION	6 PTS EXCEEDS	5 PTS MEETS	3 PTS APPROACHES	2 PTS NEEDS HELP
I. TITLE summarize your conclusion, in 1 sentence				
II. AUTHORS you and group members				
III. ABSTRACT summarize paper in 1 paragraph, beginning w a brief introduction and ending w a summary of your conclusions				
IV. INTRO provide sufficient information from the literature, Citations: paraphrased (Smith, 2020).				
V. MATERIALS & METHODS methodology clearly presented, described in detail				
VI. RESULTS data presented in Tables form, graphs / figures				
VII. DISCUSSION summarized & explain your results + clear conclusion				
VIII. REFERENCES Journal articles, books				
APA-Format /5 pages (1.5 space)	2 PTS			

Rubric for Student Presentations:

0 pts	absent
5 pts	present, not contribute
10 pts	participate, adds opinion
15-20 pts	exemplary contribution

PRESENTATIONS:

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