

BIO 1144 – BIOLOGY II - LECTURE - Spring 2019

Tom Holder **Office: Harned 024** **Office hours:** 10-11 MW or appt. **Sec. 01** - 8:00-9:15 TR; **Sec. 03** – 11:00-12:15 TR

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Lecture: Harned 102 **Lab:** (H7rned 253) Begin week of January 14th

Text: *Biology* (Brooker, 2016), 4th edition (McGraw-Hill)

Course description: Form and function of organisms including body plans and phylogeny, human evolution, plant anatomy and physiology, animal anatomy and physiology, reproduction, development, and animal behavior.

Learning Outcomes:

- *Understand the diversity and evolutionary relationships of living organisms.
- *Understand the basic structure, function, physiology and life cycle of plants
- *Understand the cells, tissues, organs and organ systems and evolutionary advancements in animals,
- *Understand the behavioral activities of animals.

<u>DATES</u>	<u>TOPIC</u>	<u>CHAPTER</u>
08 January	Introduction & Taxonomy and Diversity	26, 27, 28, 31
10	Plant Diversity	29 & 30
15	Introduction to Animal Diversity and Invertebrates	32 & 33
17	Vertebrate Diversity	34
22	Vertebrate Diversity & Human Evolution	34
24	Introduction to Plant Structure	35
29	Introduction to Flowering Plants	35
31	EXAM # 1	
05 Feb.	Plant Hormones and Nutrition	36 & 37
07	Plant Transport	38
12	Plant Reproduction	39
14	Plant Reproduction	39
19	Animal Form and Function	40
21	Digestive System and Nutrition	45 & 46
26	EXAM # 2	
28	Nervous System	41 & 42
05 March	Nervous System	42 & 43
07	Muscular-Skeletal System	44
11-15	SPRING BREAK	
19	Muscular-Skeletal System	
21	Circulatory System	47
26	Respiratory System	48
28	Excretion and Water Balance	49
02 April	EXAM # 3	
04	Endocrine System	50
09	Reproductive System	51
11	Reproductive System	
16	Development	52
18	Development	52
22	Animal Behavior	55

1144-03 EXAM #4 May 1st, Wednesday, 12:00PM

Grades: **A:** 90-100% **B:** 80-89.9% **C:** 70-79.9% **D:** 60-69.9% **F:** Below 60%
3 Lecture Exams @ 100 points each = 300 Final Exam = 100 Lab = 100 **TOTAL = 500**

Instructor Contact: If you email or call, I will do my very best to reply within 3 working days. However, feel free to contact me before or after class, and during office hours or other times that you need.

Canvas: Check the lecture and lab Canvas sites frequently for course information and assignments.

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LECTURE

Food and tobacco products are not allowed in Harned 102.

Disclaimer

-The instructor reserves the right to modify the course content, lectures and/or examination schedule (with the exception of the final exam) of the course during this semester.

-In the event of any modification to the syllabus or course, changes will be announced in class or via Canvas.

Cell Phone and Electronic Devices Policy

AOP 10.08 - Classroom Regulations: Cell Phones and Electronic Devices in the Classroom: In order to limit classroom disruptions, as well as to protect against academic misconduct, **the use by students of cell phones, messaging devices and other electronic devices is prohibited in the classroom unless authorized by the instructor.**

BIO 1144 lecture policy for cell phones and other electronic devices:

- Cell phone use is prohibited in Harned 102.
- Laptop computer and tablet computer use is prohibited in Harned 102.
- Watches are not allowed in Harned 102 on test days.
- Headphone/earbud use is not allowed in Harned 102.

Lab

- **Labs will begin the week of January 28th in Room 253 of Harned Hall.**
- You must bring the Introductory Biology: BIO 1134/1144 Laboratory Manual to every lab meeting.
- **Close-toed shoes such as sneakers (no sandals, flip-flops, etc.) must be worn in the lab.**
- You will not be allowed to enter the lab if you are not wearing close-toed shoes.
- No food or drinks are allowed in the lab.

Attendance and MSU ID Card Scanners

Attendance will be taken at each class meeting using MSU ID card scanners.

Absences will be uploaded to Banner.

Three card scanners are located just inside the door of Harned 102. Swiping ID cards for friends in the class is an Honor Code violation and subject to Honor Code penalties.

If you are late to class, see me after the conclusion of class and you will be marked present but late. More than 2 late attendance entries will result in being counted as absent for that class day.

There is no point penalty for not attending class.

Lecture Tests

- Four non-cumulative lecture tests (multiple choice questions) will be given during the semester.
- Tests will consist of 75 multiple choice questions or matching; and each test will account for 20% of the course grade.
- For all tests, you will be required to present your current MSU student ID (for grading purposes and student verification) when you turn in your scantron sheet.
- If you leave the classroom before completing a test, you will not be allowed to reenter.
- Test scores will not be curved.
- Test questions will be taken from your notes, homework assignments, and special reading assignments
- You will not be allowed to take a test if you are more than 15 minutes late, or if another student has already turned in a test (whichever comes first).
- **Failure to comply with any of the following rules will be regarded as cheating when tests/pop quizzes are given:**

Textbooks, notebooks, etc., must be closed and placed under your seat.

Phones/pagers/all other electronic devices must be turned off and out of sight. If a phone or any other electronic device is visible after I remind you to turn phones off and put them and other electronic devices away, your test score will be voided. This policy applies while you are taking a test, standing in line to turn in a test, and leaving the room. In other words, phones or any other electronic devices should not be in use or visible in the room at any time after I instruct the class to turn them off and put them away.

Caps, hoodies, watches, and earphones/ear buds/etc. may not be worn during tests.

Do not talk to another student or look at another student's test answers.

Penalty for cheating:

You will be referred to the University Academic Honesty Committee and you will be issued an “**xF**” for the course grade.

The “x” before the “F” on your academic transcript indicates that you were cheating in the course.

- Completed tests and scantrons will not be returned to you, but may be reviewed during instructor's scheduled office hours up to one week following each test.
- You will have two weeks following each test date to schedule a test review.
- Your score becomes permanent and no changes will be made after the two week period has passed.
- Test scores may be viewed by selecting “**MyGrades**” on the BIO 1144 MyCourses Home Page.

Classroom Civility Statement

-You are encouraged to help create an environment that promotes learning, dignity, and mutual respect for everyone in the learning environment.

-Students who speak at inappropriate times, take frequent breaks, interrupt the class by coming to class late or leaving early, engage in loud or distracting behaviors, use cell phones or pagers (other noise-making devices like watches with alarms), listen to headphones/CDs, use inappropriate language, are verbally abusive, display defiance or disrespect to others, or behave aggressively toward others during the class period may be asked to leave the class and subjected to disciplinary action.

Make Up Tests

- Make up tests will be allowed only if your absence is covered by the Mississippi State University AOP 12.09.
- Make up tests may contain short answer and essay questions.
- Requests for a makeup test must be made and the makeup test taken (**if approved**) no later than 7 days after the test was originally scheduled.

Mississippi State University AOP 12.09 - Class Attendance and Reporting Absences

POLICY/PROCEDURE: Upon registration, the student accepts the responsibility of attending all classes and doing any work the instructor may prescribe. When absence from class is essential, the student is responsible for providing satisfactory evidence to the instructor to substantiate the reason for absence. The student is also responsible for making arrangements that are satisfactory to the instructor in regard to work missed. These arrangements should be made prior to the absence when possible. Among the reasons absences are considered excused by the university are the following:

Participation in an authorized university activity.

Death or major illness in a student's immediate family.

Illness of a dependent family member.

Participation in legal proceedings or administrative procedures that require a student's presence.

Religious holy day.

Illness that is too severe or contagious for the student to attend class.

Required participation in military duties.

Mandatory admission interviews for professional or graduate school which cannot be rescheduled.

It is the student's responsibility to secure documentation of an illness from a physician. The documentation must contain the date and time the student sought treatment.

Based upon the documentation, the instructor will decide whether makeup work will be allowed.

Tips for Mastering Course Content

Don't skip class!

Do you really want to rely on someone else's notes? Could cost you points on the tests.

Miss examples/explanations not recorded in the notes.

Stay current!

You should know the material covered each week well enough to be tested on it the following week.

Don't just memorize the lecture material!

You will be asked to apply the material to novel situations on the tests.

Block notes into small sections!

Small is the key word. No more info than would fit on one side of a 3x5 index card.

Learn the material in the first block before moving on to the next.

This method will help you to remember more details.

Prepare Flash Cards

A number of apps are available for generating virtual flash cards such as StudyBlue and Quizlet. You might prefer to make your own flash cards using index cards.

On one side of card include a term/concept/etc. and on the flip side include the definition/description/etc.

SUPPLEMENTAL INSTRUCTION: Utilize this service to your benefit.

HONOR CODE: Mississippi State University has an approved Honor Code that applies to all students. The code is as follows: "As a Mississippi State University student, I will conduct myself with honor and integrity at all times. I will not lie, cheat, or steal, nor will I accept the actions of those who do." Ignorance of these rules does not exclude any member of the MSU community from the requirements or the process of the Honor Code. For additional information, please visit:

<http://www.msstate.edu/dept/audit/1207A.html>

****Title IX**

MSU is committed to complying with Title IX, a federal law that prohibits discrimination, including violence and harassment, based on sex. This means that MSU's educational programs and activities must be free from sex discrimination, sexual harassment, and other forms of sexual misconduct. If you or someone you know has experienced sex discrimination, sexual violence and/or harassment by any member of the University community, you are encouraged to report the conduct to MSU's Director of Title IX/EEO Programs at 325-8124 or by e-mail to titleix@msstate.edu. Additional resources are available at <http://www.msstate.edu/web/security>, or at <http://students.msstate.edu/sexualmisconduct/>.

Support Services

Students who need academic accommodations based on a disability should visit the Office of Student Support Services, 01 Montgomery Hall, call 662-325-3335, or visit the website at www.sss.msstate.edu.

Campus Resources

Tutoring assistance is available at The Learning Center <http://www.tlc.msstate.edu/tutoring/>

This can be a valuable asset. Plus, see me during office hours or set up an appointment with questions in advance of exams. IF you wait until the end, it may be too late to aid your grade or study habits.

Emergency Alert: be sure to sign up for the Maroon Alert emergency system.

Exercise(s)	Title	Date of Lab	Quiz Date
Labs begin week of January 28 - 31 in Harned 253. You should bring your lab manual, paper and writing utensil. NO LABS THE WEEK OF March 11 – 15 (Spring Break).			
12	Survey of Prokaryotes and Lower Eukaryotes	Jan. 28-31	Quiz #1 Feb. 04-07
13	Survey of Plant Kingdom: Seedless Plants	Feb. 04-07	Quiz #2 Feb. 11-14
14	Survey of Plant Kingdom: Seed Plants	Feb. 11-14	Quiz #3 Feb. 18-21
15	Plant Anatomy	Feb. 18-21	Quiz #4 Feb. 25-28
16	Plant Physiology	Feb. 25-28	Quiz #5 March 04-07
17	Invertebrate Diversity I	March 04-07	Quiz #6 March 18-21
18	Invertebrate Diversity II	March 18-21	Quiz #7 March 25-28
19 & 20	Vertebrate Tissues and Diversity	March 25-28	Quiz #8 April 01-04
21	Vertebrate Anatomy I	April 01-04	Quiz #9 April 08-11
22	Vertebrate Anatomy II	April 08-11	Quiz #10 April 18-21
23	Vertebrate Anatomy III	April 15-18	Quiz #11 April 15-18