

Botany

This course does not provide computer instruction. You will only be instructed in the content of the course.

If you have technical difficulty while you are taking the test, please have your counselor/proctor contact the High School Online office at 662.325.1457.

Text book:

Introductory to Plant Biology

James A. Bidlack and Shelley H. Jansky

McGraw Hill

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All of your assignments will relate to this text, therefore it is imperative that you obtain a copy prior to beginning the coursework.

Prerequisites:

It is your responsibility to ensure that you have met any prerequisites required to earn credit for this course. Refunds will not be issued outside of the refund policy because prerequisites were not met prior to enrolling in or taking the course.

Objective of the Course:

Botany is a diverse course in which many aspects of plants are investigated. From basic plant structures to human uses of plant, the botanical world is very interesting. The botany also encompasses the microbiological realm all the way to the tallest and oldest living things on earth. Plants are often viewed as dull and lifeless, but there is more than meets the eye when their true living aspects are explored.

Quizzes:

Each lesson will have a quiz. The quizzes are designed to provide an understanding of the content related to the courses. Each quiz contains key terms and short answer questions. Please be thorough in your answers. When identifying key terms, don't merely copy the book's definition – explain its overall importance. When working through short answer questions, provide as much information as is needed to completely answer the question – provide facts, input, examples, justification, etc. You are allowed to use notes and your textbook for the quizzes

Exams:

This course will have 9 exams. They will heavily emphasize vocabulary, as key terms are vital to the understanding of the concepts presented. Be sure, however, to review all questions and activities that are listed in your text. The exams will be under the supervision of your course supervisor/proctor. No supplementary materials (notes, textbooks, reference books, etc.) can be used. We reserve the right to require any student to come to the High School Online office to take or redo any test. Academic dishonesty will not be tolerated, and can result in an F in the course.

Mississippi State University's Student Honor Code will be enforced. To view this policy, visit <http://www.honorcode.msstate.edu/policy/>.

Grades:

You will receive a numerical grade for each lesson that you submit. Your lesson grades will count as 1/3 of your final grade, and your tests will count as 2/3 of your final grade. As lessons and tests are graded, your grade will be posted in Moodle. While I strive to grade your lessons and tests in a very timely fashion, please note that there are certain times when there may be a delay in grading (holidays, weekends, etc).

Writing Rubric:

Language Arts Literacy	
Open-Ended Scoring Rubric for Reading, Listening, and Viewing	
Sample Task: The author takes a strong position on voting rights for young people. Use information from the text to support your response to the following.	
*Requirements: Explain the author's position on voting. Explain how adopting such a position would affect young people like you.	
Points	Criteria
4	A 4-point response clearly demonstrates understanding of the task, completes all requirements, and provides an insightful explanation/opinion that links to or extends aspects of the text.
3	A 3-point response demonstrates an understanding of the task, completes all requirements, and provides some explanation/opinion using situations or ideas from the text as support.
2	A 2-point response may address all of the requirements, but demonstrates a partial understanding of the task, and uses text incorrectly or with limited success resulting in an inconsistent or flawed explanation.
1	A 1-point response demonstrates minimal understanding of the task, does not complete the requirements, and provides only a vague reference to or no use of the text.
0	A 0-point response is irrelevant or off-topic.

**Requirements for these items will vary according to the task.*

Final Grade:

Once you have submitted all assignments for grading and your final average is calculated a completion letter will be mailed to the student and the school. The school will issue the letter grade and add the course to your transcript.

Communication with your Instructor:

Outside of discussion board posts, all communication with your instructor should be via email.

Course Completion and Graduation:

If you are graduating in the current school year, all coursework must be completed by April 1 in order to ensure that your official documentation is received by your school counselor in time for graduation. It is your responsibility to submit all discussion boards, quizzes, and exams by this deadline.

Course Layout:

Lesson 1 – Intro to Botany & Intro to Life

MDE Competency & Objective: 1B, 1C, 2A

Lesson 2 – Cells & Tissues

MDE Competency & Objective: 2A

Test #1

Lesson 3 – Roots & Soils, Stems & Leaves

MDE Competency & Objective: 2A, 2C, 2E

Lesson 4 – Flowers, fruits & seeds

MDE Competency & Objective: 2A, 2C, 3E

Test #2

Lesson 5 – Water in plants & Plant metabolism

MDE Competency & Objective: 2E, 4B

Lesson 6 –Growth & Development and Alternation of generations

MDE Competency & Objective: 3D

Test #3

Lesson 7 –Plant genetics

MDE Competency & Objective: 3A, 3D, 5B, 5C, 5D

Lesson 8 – Plant Breeding, Propagation & Biotechnology

MDE Competency & Objective: 1F, 1G, 3A, 3D, 5B, 5C, 5D

Test #4

Lesson 10 – Plant Evolution & Classification

MDE Competency & Objective: 2D, 4C

Lesson 11 – Viruses, Bacteria, Protists, Fungi

MDE Competency & Objective: 4C

Lesson 12 – Bryophytes

MDE Competency & Objective: 2B

Test #5

Lesson 13 – Ferns

MDE Competency & Objective: 2B, 2C, 3A

Lesson 14 – Gymnosperms

MDE Competency & Objective: 2B, 2C, 3A

Lesson 15 – Angiosperms

MDE Competency & Objective: 2B, 2C, 3A, 3B, 3C

Test #6

Lesson 16 – Plants & Man

MDE Competency & Objective: 3C, 5B, 5C

Lesson 17 – Ecology & Biomes

MDE Competency & Objective: 4a

Test #7

Final Project – Endangered Plants & Invasive Plants in Mississippi

MDE Competency & Objective: 1A, 1B, 1C, 1D, 1E, 1F, 1G, 4D, 5A, 5D

Essay – Genetically Modified Plants for Food Consumption????

MDE Competency & Objective: 1A, 1B, 1C, 1D, 1E, 1F, 1G, 4D, 5A, 5D