Harman High School

Course Syllabus

**Teacher’s Name:** Mrs. Lane Skidmore

**Course Title:** BSC 104 INTRODUCTION TO BIOLOGY

**Course Description:** This is an introductory course in the fundamentals of biology with emphasis on the unity of life, energetics, genetics, evolution, and classification of organisms in the kingdoms of life. The course will consist of 5, 90-minute class periods per week. This course is intended for non-science majors and does not count toward a major in Biology Science. **4 credit hours.**

**Desired Learner Outcomes:** To understand basic, fundamental structures and functions of living organisms known to modern biological science.

**Grading:**

Evaluation will follow Marshall University’s grading scale.

**Be prepared to have a quiz ANY day (they are not announced).**

**NO extra credit will be given.**

PLEASE MAKE GOOD LECTURE NOTES – THIS IS CRUCIAL!!!

4 Lecture tests which include the final @ 100 points each = 400 points

The best of 10, five point quizzes, with extra quizzes counting toward

extra credit, total = 50 points

Lecture grade = 450 points

The best 11 lab quiz grades, modified by attendance and

Participation in lab procedures and attendance = 110 points

Three-page paper/project on Biology subject of your choice = 50 points

Laboratory grade = 150 points

Course total points = 610 points

**Plagiarism Policy/Academic Honesty:** Plagiarism or cheating will not be tolerated and will result in immediate dismissal (F grade).

**Attendance** of lecture is not mandatory but you are **absolutely and solely responsible** for any material covered or announcements made in class.

**Attendance of labs is mandatory** unless you have a school excuse. **Make**-up work due to absence must be made up within two days of the absence. **It is the student’s responsibility to ask for and make-up missed work.**

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| **Weeks of** | **Lecture Topic** | **Chapter/pages** |
| Week 1: 8/19 | Intro. To Biology, the scientific process | Ch.1, pp. 1-18 |
| Week 2: 8/26 | The Chemical nature of life | Ch. 2, pp 22-33; Ch. 3, pp. 36-51 |
| Week 3: 9/9 | The cell | Ch. 4, pp. 54-71 |
| Week 4: 9/16 | Cellular dynamics | Ch. 5, pp. 74-87 |
| **Sept 16 Test 1** | | |
| Week 5: 9/23 | Photosynthesis | Ch. 6, pp. 90-103 |
| Week 6: 9/30 | Respiration | Ch. 7, pp. 106-115 |
| Week 7: 10/7  Week 8: 10/14 | Cell Cycle and Mitosis | Ch. 8, pp. 120-128 |
| **Oct 18 Test 2** | | |
| Week 9: 10/21 | Meiosis and Genetics | Ch.8, pp. 130-140; Ch. 9, pp. 144-167. |
| Week 10: 10/28 | The DNA molecule | Ch. 10, pp. 172-194; Chapter 11, pp. 198-215 |
| Week 11: 11/4 | Biotechnology | Ch. 12, pp. 218-237 |
| Week 12: 11/11 | The Theory of Evolution, Evolutionary Biodiversity | Ch. 13, pp. 242-265; Ch. 14, pp. 268-289 |
| **Nov 15 Test 3** | | |
| Week 13: 11/18 | The Evolution of Microbial Life | Ch. 15, pp 292-311 |
| Week 14: 11/25 | **Thanksgiving Break** | **Thanksgiving Break** |
| Week 15: 12/2 | The Evolution of Fungi and Plants; The Evolution of Animals | Ch. 16, pp. 314-331; Ch. 17, pp. 336-367 |
| Week 16: 12/9 | Ecology | Ch. 18, pp. 372 - 399 |
| Week 17: 12/12 | Population Ecology and Community and Ecosystem Ecology | Ch. 19, pp. 402-421; Ch. 20, pp. 424-448 |
| **December 16 Final Test (Comprehensive)** | | |

RECORD OF CLASS ACTIVITY SCORES

Test 1 \_\_\_\_\_\_\_\_\_\_ Test 3 \_\_\_\_\_\_\_\_\_\_

Test 2 \_\_\_\_\_\_\_\_\_\_ Final \_\_\_\_\_\_\_\_\_\_\_

Quiz 1 \_\_\_\_\_\_\_\_\_\_

Quiz 2 \_\_\_\_\_\_\_\_\_\_ Extra Quizzes

Quiz 3 \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_

Quiz 4 \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_

Quiz 5 \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_

Quiz 6 \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_

Quiz 7 \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_

Quiz 8 \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_

Quiz 9 \_\_\_\_\_\_\_\_\_\_

Quiz 10\_\_\_\_\_\_\_\_\_\_

Lab 1 \_\_\_\_\_\_\_\_\_\_\_ Lab 8 \_\_\_\_\_\_\_\_\_\_\_

Lab 2 \_\_\_\_\_\_\_\_\_\_\_ Lab 9 \_\_\_\_\_\_\_\_\_\_\_

Lab 3 \_\_\_\_\_\_\_\_\_\_\_ Lab 11\_\_\_\_\_\_\_\_\_\_\_

Lab 4 \_\_\_\_\_\_\_\_\_\_\_ Lab 12 \_\_\_\_\_\_\_\_\_\_

Lab 5 \_\_\_\_\_\_\_\_\_\_\_ Lab 13 \_\_\_\_\_\_\_\_\_\_

Lab 6 \_\_\_\_\_\_\_\_\_\_\_

Lab 7 \_\_\_\_\_\_\_\_\_\_\_

Paper \_\_\_\_\_\_\_\_\_\_\_\_\_

Total \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_