**BSC 104 –Introduction to Biology/MU Dual Credit**

**Fall 2017**

**Instructor:** Susan C. Eastham

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**Course description:** Fundamentals of biology with emphasis on the unity of life, energetics, genetics, evolution, classification of organisms in the kingdom of life. Intended for non-science majors. Does not count toward a major in Biological Sciences. 4 credit course (3hr. lecture, 2hr lab).

**Required Textbooks:** Essential Biology, 6th Edition, Campbell. BSC 104 Laboratory Manual, 17th ed. Weinstein.

**University Policies:** By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy by going to [www.marshall.edu/academic-affairs](http://www.marshall.edu/academic-affairs) and clicking on “Marshall University Policies”. Or you can access the policies directly by going to [www.marshall.edu/academic-affairs/policies/](http://www.marshall.edu/academic-affairs/policies/). Academic dishonesty/Excused Absence Policy for Undergraduates/Computing Services Acceptable Use/Students with Disabilities/Academic Rights and Responsibilities of Students/Affirmative Action/Sexual Harassment.

**Attendance Policy:** Attendance is expected. Students are responsible for all activities and announcements that occur during class and are responsible for any material missed. Missed information should be obtained from other classmates. Students are subjected to the SVHS policy on attendance and tardiness.

**Academic Dishonesty:** Will not be tolerated in any form. All work including written assignments, laboratory reports, quizzes, and exams are to be the independent efforts of each student. Ignorance of the policies is not an excuse. This will be reported to the Principal and also to the Chairman of the department at MU. You may be placed on academic probation, suspended or dismissed from the class with an F or from the University following being found guilty of Academic Dishonesty. Please see the following website for the official MU statement: <http://muwww-new.marshall.edu/academic-affairs/forms-policies/>

**Electronic Devices:** All electronic devices (laptops, tablets, handheld computers, IM devices, PDAs, cell phones, pagers, data-bank watches, etc.) must be turned off during class unless they are explicitly being used for a course activity by the direction of Mrs. Eastham. *Failure to comply with this policy may result in your dismissal from the class.* Audio or video recording of lectures is not permitted without the prior consent of Mrs. Eastham.

**Schoology:** All students will sign up to Schoology. All assignments, worksheets, information, announcements, due dates, etc. will be listed there. It is your responsibility to check this often so as not to miss important course related information. Ignorance of this policy is not an excuse.

**Student Responsibility:**

* *Students are responsible for reading the appropriate assigned material from the textbook, posted reading, and handouts.*
* *Students are required to stay on task during the lecture and laboratory exercises.*
* *Communication will come from Schoology and Live Grades. It is your responsibility to check both regularly.*

**Grading Policy/Class Overview:** Most lecture materials used in this course will be taken from the textbook. Concerning the lecture portion of this class, 5 major tests will be given during the term. In addition, several unannounced lecture quizzes and assignments will be given which will be part of the high school grade. This lecture portion will comprise 75% of the student’s Marshall grade. The other 25% will come from labs. Since this is a dual credit class, MU requirements will be met as well as the Standards for the Biology II course at SVHS. The high school portion/grading will be discussed in class on the first day. See me for questions.

MU Grading Scale: A 90-100 D 60-69

 B 80-89 F Below 60

 C 70-79

\*\*\*\*After the Marshall Biology 104 grade is sent in, students are to still report to class every day to continue work that alters the SVHS Biology II grade.

**Make-up Policy:** Make-up for grades depends on the number of days missed. You get one day plus the number of days absent. If absent for a major test during the college portion of the class the teacher will talk to the parent concerning the reason for the absence and when the student will be allowed to make up the test. Late assignments will be given an automatic zero if turned in too late as specified by the teacher.

**Writings:** Students will write 1-2 page essays correlating with most units taught. Students will also do writings dealing with higher level thinking scenarios and current events.

**Lecture Schedule:**

Week Chapter # Chapter Title

 1 1 Introduction: Biology Today

 2 2 Essential Chemistry for Biology

 3 The Molecules of Life

 4 A Tour of the Cell

Test I

 3 5 The Working Cell

 4 6 Cellular Respiration: Obtaining Energy from Food

 5 7 Photosynthesis: Using Light To Make Food

Test II

 6 8 Cellular Reproduction: Cells from Cells

 7 9 Patterns of Inheritance

 8 10 The Structure and Function of DNA

 9 11 How Genes are Controlled

10 12 DNA Technology

Test III

 10 13 How Populations Evolve

 14 How Biological Diversity Evolves

 11 15 The Evolution of Microbial Life

 16 The Evolution of Plants and Fungi

Test IV

 12 17 The Evolution of Animals

 13 18 An Introduction to Ecology and the Biosphere

 19 Population Ecology

 14 20 Communities and Ecosystems/Human Impact

Test V

**Laboratory Exercises:** MU Labs will be covered with their perspective lecture units. Labs are 25% of the Marshall grade

\*\*\*\*This syllabus may be changed due to changes in the school calendar, inclement weather, etc. Announcements will be made in class.