**SYLLABUS: BSC 105 - HUMAN BIOLOGY (Advanced Anatomy) - Fall 2018**

**Instructor:** Mollie Craven

**Office and Phone:** Elkins High School, Rm 204. 304-636-9170.

**Course Description:** 4 credit hour class **designed for non-science majors**. This course focuses on the fundamentals of biological human structure, function, and interactions with the environment. The course is divided into lecture and laboratory instruction. Lectures will introduce students to how humans are related to other living organisms, cell function, basic human anatomy, and fundamental functions of the human body, basic human genetics, human evolution and human impact on the global ecology. In the laboratory, students will interact with and observe specimens as a way of reinforcing what was learned in the classroom.

**Course Meeting Time:** M-F. 1st Block: 8:00-9:22; 2nd Block: 9:32 – 10:54

**Text:** Human Biology, 15th or 14th or 13th ed. (S. Mader & M. Windelspecht) **Lab Manual:** BSC 105 Lab Manual, 17TH ed. Both can be purchased through the Marshall University bookstore.

**Grading Policy:**

* Graded Material: This is on the Randolph County Livegrades site.

Formal: Tests, Quizzes, Labs – 64% Informal: Homework, Case Studies – 16%

9 Weeks Exam- 20% Final Exam is 20% of total grade

* Grading Scale: Material is graded using a college scale. Successful completion of class requires a passing final grade.

A = 90-100% B = 80- 89.9% C = 70-79.9% D = 60- 69.9% F = Below 59.9%

**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 <http://www.marshall.edu/academic-affairs/policies/> .

Academic Dishonesty/ Excused Absence Policy for Undergraduates/ Computing Services Acceptable Use/ Inclement Weather/ Dead Week/ Students with Disabilities/ Academic Forgiveness/ Academic Probation and Suspension/ Academic Rights and Responsibilities of Students/ Affirmative Action/ Sexual Harassment

**STUDENT LEARNING OUTCOMES/OBJECTIVES**

• Students will be able to correctly use scientific terminology and explain basic biological concepts clearly and accurately (communication, critical thinking)

• Students will be able to describe human body systems and how they function (communication, critical thinking)

• Students will be able to accurately conduct and describe laboratory experiments and their importance in the broader perspective of understanding science (communication, critical thinking, technology)

**LEARNING OUTCOMES WILL BE ASSESSED AS FOLLOWS**:

Critical thinking: Critical thinking outcomes will be assessed via laboratory assignments, classroom exams and group discussions.

Communication: Students will be required to correctly spell anatomical structures on practical lab exams and in group discussions.

Technology: Students will be required to learn how to use a microscope

**Attendance.** Attendance at all scheduled lectures and exams is encouraged and the Randolph County Attendance Policy will be followed. Lectures are only given once. If you miss class, please obtain notes/information from a classmate – **NOT from me**. Anything we cover in class, including lectures, discussions, movies, or any exercise may be included on exams.

**Academic Dishonesty**. Randolph County Schools and Marshall University policy will be followed. Any incident may result in a grade of 0 for the assignment with no chance to redo it.

**Social Justice**. NO one will be discriminated against on the bases of race, sex, ethnicity, age, sexual orientation, social class, abilities or differing viewpoints. Each student will be viewed as a valuable and essential part of this class.

**Approximate Schedule and Material to be Covered –** The following is an ***estimated*** class schedule of topics to be covered and accompanying textbook chapters. It is not my intention to cover every chapter in its entirety. Lectures will highlight specific sections of each chapter. Additional material not contained in the textbook may be given during lectures. Test questions will come from these materials as well – including any movies or videos shown during class. **The best strategy is to read the chapters indicated, attend lectures, do your homework, and take notes.**

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| **Week** | **Topic** | **Readings,**  **Chapters** |
| 1 | Introduction; Lab Safety; Chemistry | 1-3 |
| **2** | Cells, Organization of body systems, Measurement | 3-4 |
| **3** | Cardiovascular | 5-6 |
| **4** | Immunity and Infections | 7-8 |
| **5** | Digestive; Respiratory | 9-10 |
| **6** | Urinary | 10-11 |
| **7** | Skeletal | 12 |
| **8** | Skeletal; Muscular | 12-13 |
| **9** | Muscular; Nervous | 13-14 |
| **10** | Nervous; Endocrine | 14 |
| **11** | Endocrine | 16 |
| **12** | Reproductive; Development & Aging | 17-18 |
| **13** | Human Genetics | 19-22 |
| **13** | Thanksgiving Break |  |
| **14** | Human Evolution; Population Growth | 23 |
| **15** | Ecology & Ecosystems; Human Interactions | 24-25 |
| **16** | Final Exams Week for Marshall |  |