

BSC 105 – Human Biology
Fall Semester 2017
5 – 7:20 Monday/Wednesday
Hurricane High School

Instructor: Seth Perry

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Office/Hours: After class or by appointment

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 and clicking on “Marshall University Policies.” Or, you can access the policies directly by going to http://www.marshall.edu/academic-affairs/?page_id=802

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

Course Description:

Fundamentals of biological human structure, function, and interactions with the environment. Intended for non-science majors. Does not count for health professions credit.

Course Objectives:

1. Students will understand the methods and applications of biological science.
2. Students will be able to apply biological science in the laboratory setting.
3. Students will gain knowledge of the discipline of biology in relation to the human body.
4. Students will understand the characteristics of life and relationships to body organization.
5. Students will relate cellular structure and function to major body systems.

Required Texts, Additional Reading, and Other Materials

Lecture: Human Biology, 15th Edition. Sylvia S. Mader, Michael Windelspecht.
ISBN: 9781260152487 (Marshall Bookstore, Online Stores, Amazon, etc.)

Lab: Human Biology for Non-Majors Laboratory Manual. Susan Weinstein. 16th Edition.
ISBN: 9781617403354 (Only available from the Marshall University Bookstore)

Course Evaluation:

Assignments	Points
3 Lectures Exams	~300
1 Final Exam	~100
13 Labs	~130
Total	~530

Grading Scale:

A: 90 – 100
B: 80 – 89.9
C: 70 – 79.9
D: 60 – 69.9
F: 0 – 59.9

Class Responsibility:

- If you are going to be late, send an e-mail and let me know. That way I can expect you later.
- Attendance is important. Due to the fact that some materials are perishable, some labs cannot be made up. Try your best to make it on lab days. **Any Unexcused Absences** on lab days will result in a 0 for that lab.
- During bad weather or closures of Hurricane High School, there will be no class that evening. I will e-mail you when I get that information.
- I will remind you of upcoming tests and end of the unit dates but it is your responsibility to write down and remember these dates.
- If you miss an exam you will need to have an approved **MU Excused Absence**. You have 2 days to make it up on your own time at the TVRC office in Teays Valley.
- There is no extra credit. There are no retakes on exams.

Attendance Policy:

University Excused Absences: These are addressed by the instructor or the Dean of Student affairs as described in each item. Appropriate documentation is required for each absence. The Dean of Student Affairs will notify course instructors of his or her actions using the University email system. **University-sponsored activities. Medical circumstances. Death or critical illness of an immediate family member. Other official activities – Military, Jury Duty, Religious Holidays. Extreme personal emergencies - examples of such events include house fires, serious crimes, etc.**

Course Schedule

This schedule is tentative and subject to change depending on weather and school system situations. Always check with me regarding test dates.

Week	Dates	Topic	Chapter(s)
1	8/21, 8/23	Exploring Life and Science / Chemistry of Life	1, 2
2	8/28, 8/30	Cell Structure and Function / Organization of Body Systems	3, 4
3	9/6	Cardiovascular Sys: Heart, Vessels	5
4	9/11, 9/13	Cardiovascular Sys: Blood / Exam 1	6
5	9/18, 9/20	Lymphatic and Immune System / Biology of Infectious Diseases	7, 8
6	9/25, 9/27	Digestive System / Respiratory System	9, 10
7	10/2, 10/4	Urinary System / Skeletal System	11, 12
8	10/9, 10/11	Muscular System / Exam 2	13
9	10/16, 10/18	Nervous System / Senses	14, 15
10	10/23, 10/25	Endocrine System, Reproductive System	16, 17
11	10/30, 11/1	Development and Aging / Patterns of Chromosome Inheritance,	18, 19
12	11/6, 11/8	Cancer / Exam 3	20
13	11/13, 11/15	Patterns of Genetic Inheritance / DNA Biology and Technology	21, 22
14	11/20 – 11/24	Fall Break	
15	11/27 – 11/29	Human Evolution / Global Ecology and Human Interference	23, 24
16	12/4 – 12/6	Human Population, Global Resources, and Conservation	25
	12/11 or 12/13	Comprehensive Final Exam	