

BSC 105 -108 SYLLABUS*Fall 2018

INTRODUCTION TO HUMAN BIOLOGY

Human Biology for Non-Majors with Lab

INSTRUCTOR: Dr. J. Levine, DO.FACOS
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TEXT SMARTBOOK McGraw Hill CONNECT for Human Biology by Mader 15th edition Smartbook with Smartlab **REQUIRED** You obtain the access code **THROUGH BLACKBOARD**. Register for the course in Blackboard. Go to the Registration Page and click on any assignment. You can then buy the smartbook online or through the bookstore. There is even a 2 week free trial option if funds are short.

(Hard Copy): Human Biology 15th Edition by Sylvia Mader (**optional**) at a very discounted price

COURSE OBJECTIVES:

This will be a very exciting and unique **HYBRID** class. We will be utilizing the McGraw Hill Connect digital system. You are **REQUIRED** to purchase the digital McGraw Hill SMARTBOOK with Smartlab specially designed for this class. I highly recommend that you utilize a browser such as Google Chrome instead of Internet Explorer.

REMEMBER you buy the **ACCESS CODE** for the Smartbook inside **BLACKBOARD**. Go to the Registration Page. There is even a 2 week trial period if your funds are low.

This interactive virtual system provides SMARTBOOK which includes a required preclass review called LEARNSMART (LS) available one week prior to each class. This is a great way to keep you focused on the topic and enables me to see your individual strengths and weaknesses. This is also a fantastic digital concept that keeps the student involved with each chapter before coming to class. It will assist you in understanding the challenging concepts of Human Biology.

There will be 6 online quizzes listed on the assignment page of your digital Smartbook in **BLACKBOARD**. You will have a week to complete each quiz

This is a **LAB** course. We will be utilizing **SMARTLAB.(L)** This is a virtual biology lab. Throughout the semester you will be assigned a virtual lab (L) listed on the assignment page. You will have more than week to perform the lab. These virtual labs are very realistic, informative, and some might say fun. They will reinforce the concepts we have gone over. In order to receive **ANY** credit for the lab you must have a 90% completion listed at the end of the lab. There will be a short post lab **QUIZ** after each assigned lab.

We will also perform short in class lab sessions. These are listed on the syllabus.

The overall objective of Biology 105 is to introduce the principles and processes of biology through the study of human organism. Students will gain an understanding of how the human body functions through a detailed study of each organ system that comprises the body. Current topics in health sciences, nutrition, biology and medicine will be discussed as they pertain to specific organ systems. Students will learn to think critically about the consequences of recent developments in biotechnology and medical sciences. Laboratories will introduce basic biological techniques and reinforce those principles learned in lecture.

ATTENDANCE:

You are expected to attend all lecture and laboratory sessions. Please read the NEW attendance policy in the MU student handbook. The student faculty is now stressing the importance on attending class. Missing one of our classes is an entire week of knowledge. Attendance is not mandatory but will be recorded during lecture sessions as federal aid is based on attendance. Unfortunately, students do poorly because of their lack of attendance. If you miss a class session, it is YOUR responsibility to obtain all assignments and materials. IF you attend at least 90% of the lectures you will receive a 90-100% score on an additional lab quiz- listed as Attendance Quiz.

I cannot allow any disruptive behavior or activity. Please have respect for your fellow students and myself. Do not arrive late to class and do not leave class while I am lecturing. Please do not talk to fellow classmates while I am lecturing. I welcome any questions during, after, and before classes. There will be many short breaks during the class.

CELL PHONES: Cell phones will not be allowed to be on during class. If there is an urgent need for the phone, please notify me prior to class.

NON SMOKING CAMPUS:

MOVC has now implemented a total non smoking policy anywhere on campus. This includes the entire MOVC building and grounds.

EXAMS:

SIX (6) ONLINE Quizzes

- IN CLASS Midterm exam,
- IN CLASS Final exam
- FIVE (5) ONLINE Smartlabs with 5 post lab quizzes
- THREE (3) Metric quizzes
- “Attendance quiz”

GRADING:

6 Online quizzes (A+) 40%

5 (five) Smartlabs (L) with 5 Post lab quizzes, 3 Metric quizzes, “Attendance quiz” / Class Presentation 20%

Midterm IN CLASS 20%

Final Exam IN CLASS 20%

The Learnsmart quiz scores listed in the grade center will not count toward your grade BUT You MUST complete 90% of your LEARNSMART assignments to receive a passing grade..

The following is the Grading Scale:

A 100-90

B 89-80

C 79-70

D 69-60

Below 60 F

You can check your up to date grades on Blackboard &/or with me .MAKE-UP EXAMS: If you miss an exam you must provide an acceptable excuse within 72 hours of the scheduled time for the exam. If you do not do so, you cannot UNDER ANY CIRCUMSTANCES make-up

the missed exam. Make-up exams will only be given in the event of (1) an officially approved University absence, (2) a death in the IMMEDIATE family, or (3) an illness that prevents you from attending class on the scheduled date of the exam (see Marshall University Undergraduate Catalog). In the case of illness, you must provide a note, signed by a physician, stating that you were seen by the health care professional and could not be present during the exam period for medical reasons

DROP POLICY: Note that last day to drop with a "W" is

Course Content

Remember you must perform the chapter review and assignment prior to each class using LEARNSMART

8/23 Chapter 1. Human Perspective

Chapter 3 Cell Structure

8/30 Chapter 2 Chemistry of Life

Chapter 4 Organization

In class Lab: Metric Mania

Quiz 1 ONLINE chapters 1-4 available 8/30-9/5

SMARTLAB 1 (L) Scientific Method w/ post lab quiz 1 Available 8/30-9/12

9/6 Chapter 12 Skeletal System

SMARTLAB 2(L) with Post lab Quiz 2 Diffusion Available 9/6-9/19

9/13 Chapter 13 Muscles

9/20 Chapter 14 Nervous system

Lab in class Brain dissection

Quiz2 ONLINE chapters 12,13,14 available 9/20-9/26

9/27 MIDTERM EXAMINATION Ch 1-4,12-14 **IN CLASS**

Chapter 15 Senses

SMARTLAB 3 Osmosis w/ post lab quiz 3 available 9/27-10/10

10/4

10/11 Chapter 5 Cardiovascular System: Heart and Blood Vessels

Chapter 6 Blood '

Lab in class- heart dissection

SMARTLAB 4 with Post lab quiz 4 Pulse Rate and Blood Pressure available 10/11-10/24

QUIZ 3 ONLINE chapters 5-7 available 10/11-10/17

10/18 Chapter 7 The Lymphatic and the Immune System

Chapter 10 Respiratory System

10/25 Chapter 9 Digestive System

SMARTLAB 5 with Post lab quiz 5- Digestion available available 10/25-11/7

QUIZ 4 ONLINE chapters 9-10 available 10/25-11/6

**11/1 Chapter 11 Urinary system
Lab in class-Kidney dissection**

11/8 Chapter17 Reproduction System

Quiz 5 ONLINE 11(GU)+ 17,(Repro) available 11/8-11/14

11/15 Chapter 18 Development and aging

11/22 Thanksgiving Break- NO CLASS

**11/29 Chapter 16 Endocrine System
Chapter 20 Cancer**

QUIZ 6 ONLINE CH 16/18 available 11/29-12-5

12/6 Class Presentations IN CLASS

Lecture Final Exam Review

Lab in class Fetal pig dissection

12/13 LECTURE FINAL EXAMINATION IN CLASS

***Syllabus schedule is subject to change on a weekly basis.**