

BSC-227 – Human Anatomy

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BBSC-213

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Office Hours: (By prior appointment since I do not have an office in Teays Valley)

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TR- 7:30 – 9:50 P.M

Hurricane High School

Office: (304)-696-7370

Course Description

BSC 227 - Human Anatomy

The course will describe the principles of gross and microscopic anatomy of human body based on systems and their development. Open to candidates in BSC program and health professionals. The course is **4 credit** hours covering lectures and laboratory hands on (Models) experience (No human dissections).

Required Text, Additional Reading, and Other Materials

Human Anatomy (Text only); 5th edition by Saladin or 4th edition will be OK since that will be a lot cheaper!

Human Anatomy Lab Guide (2015)

Recommended Materials

Atlas of Human Anatomy, 6th edition by Frank H. Netter, MD

Gray's Anatomy of the Human Body; 30th edition

Clinically Oriented Anatomy; 6th edition by Keith L. Moore

Clinical Anatomy by Richard Snell 9th Edition

<http://www.visiblebody.com/>

Computer Requirements

Required.

Course Student Learning Outcomes and Assessment Measures

Upon completion of this course, students will be able to	Each student learning outcome will be assessed in the following manner:
Students will learn to appreciate the structure of Human Body. They will learn to identify different types of muscles and their functions. Students will be expected to understand blood supply, Lymphatic's, and Nerve innervations to different parts of the Human body. Students will be introduced to Clinically significant structures, functions and systems of Human Body anatomically.	There will be total four multiple choice examinations, with final comprehensive, and quizzes to ensure students are keeping up with the material and determining their understanding of the material covered. Lab portion of the course will be based on identifying structures and their 3 D orientation and function.

***Course Requirements and Grading**

Grades:

Student **grades** will be calculated as follows:

Exam 1+ Lab:	20%	100- points
Exam II + Lab:	20%	100- points
Exam III + Lab:	20%	100- points
Exam IV Final + Lab: (material)	20%	200- points Comprehensive (60% current + 40% previous material) You must pass the final Exam to pass the course.
Quizzes:	05%	20x10 = 200 points (Some may have more than 20 questions)
*Attendance	05%	
Lab Book	10%	= 200 points
Total Points:	100%	= 900 points

(Lab portion of the Exam will be incorporated with final Exam and each regular Exam will have some Lab questions mixed with lecture examination). These exams are designed in such a way that exam II will have some portion of Exam I repeated (more detailed instructions in class). Lab portion of the exam will be to identify, know function and the source of innervation.

Final grade in the class will be based on the following criteria:

A:	90-100
B:	80-89
C:	70-79
D:	60-69
F:	Below 60

***Attendance Policy**

This policy can be found on pp. 79 – 81 of the 2010 – 2011 undergraduate online catalogs, which can be accessed at http://www.marshall.edu/catalog/undergraduate/ug_10-11_published.pdf.

Exceptions: Student attendance and participation will be required. Punctual attendance to lectures will be considered in the final grade. For example, if a student with a 66 average has a full attendance record and has actively participated, that student may receive a grade of C for the course.

*Attendance is required for all class lectures/Laboratories. You are allowed **ONLY ONE** unexcused absence from the class since we meet only twice a week. However, you are allowed **total 2 absences** during the **whole semester without affecting your 05%** of the attendance grade (that includes one unexcused + one excused). Excused absence must be approved in advance by me or in emergency **ONLY**; may be informed by e-mail or by phone ASAP and must bring **HOSPITAL note** for yourself or **immediate family only**. You will be responsible for the material, any changes made in scheduled exam/quiz.

I expect all students to put their telephones on vibration, and **NO** listening devices plugged in to your ears during the lecture/class. I strongly urge you to **NO TEXTING** during the class. If family emergency occurs, feel free to go outside and attend the call.

Regular class meeting times are indicated in the course calendar and on the first page of this syllabus. Grades are based on percent correct on the exams and performance of other students in the course will, therefore **NOT AFFECT YOUR GRADE.**

Exam Policy:

Absence from a scheduled exam or quiz will be **considered unexcused unless (unexcused absence forgiveness is from lecture only not from examinations/quizzes):**

1. I am contacted prior to the Exam OR
2. An unanticipated emergency prevents attendance (interpretation of “emergency” is at the discretion of the course director (instructor), and I may require a note from the physician for illness or a letter from the student academic affairs for non-medical emergencies). **Please, leave a detailed message on my phone number 304-696-7370, as soon as you know that you will not be able to attend an exam.** Unexcused absence from an exam will result in a score of “0” for that exam. All exams will begin promptly at schedule day/time. During Exams you should not have any books, notes, calculators, telephones, laptops and any listening devices plugged in to your ears. Although, cheating has never been a problem in my class, I regard any behavior, no matter how innocent, that might be construed as cheating to be dishonest, disruptive and an offensive breach of good moral student.

Laboratory Setup:

Labs will be conducted at the beginning of each region/system to orient the students using; models, bone specimens, power point (PPT) slides of atlas and pro-sections. This is undergraduate introductory level course and there are NO wet labs or Human cadaver dissections associated with the lab. However, students will be required to identify the structures on the PPT and models for the laboratory portion of the test. There will be no makeup labs due to absence (excuse/unexcused).

Academic Dishonesty Policy:

All students should be familiar with the university’s policy concerning academic dishonesty. This policy can be found on pp. 66 – 68 of the undergraduate catalog http://www.marshall.edu/catalog/undergraduate/ug_10-11_published.pdf.

or on pp. 61 – 64 in the spring 2015 online graduate catalog.

http://www.marshall.edu/catalog/Graduate/S2015/gr_sp15_final.pdf. Although, cheating has never been a problem in my class, I regard any behavior, no matter how innocent, that might be construed as cheating to be dishonest, disruptive and an offensive breach of good moral student.

Policy for Students with Disabilities: Marshall University is committed to equal opportunity in education for all students, including those with physical, learning and psychological disabilities. University policy states that it is the responsibility of students with disabilities to contact the Office of Disabled Student Services (DSS) in Prichard Hall 117, phone 304 696-2271 to provide documentation of their disability. Following this, the DSS Coordinator will send a letter to each of the student’s instructors outlining the academic accommodation he/she will need to ensure equality in classroom experiences, outside assignment, testing and grading. The instructor and student will meet to discuss how the accommodation(s) requested will be provided. For more information, please visit <http://www.marshall.edu/disabled> or contact Disabled Student Services Office at Prichard Hall 117, phone 304-696-2271.

University Computing Services' Acceptable Use Policy: All students are responsible for knowing this policy, which can be found on the web at <http://www.marshall.edu/ucs/CS/accptuse.asp>.

Affirmative Action Policy: This course will follow Marshall University's policy on Affirmative Action, which can be found on p. 63 of the 2010 – 2011 undergraduate catalog http://www.marshall.edu/catalog/undergraduate/ug_10-11_published.pdf, or on p. 16 of the spring 2010 graduate catalog http://www.marshall.edu/catalog/Graduate/S2010/gr_sp10_final.pdf. Specifically, all students will be afforded equal opportunity without regard to race, color, sex, religion, age, disability, national origin, or sexual orientation.

Inclement Weather Policy: Students can find information concerning Marshall's policy regarding inclement weather on pp. 64 – 65 of the 2010 – 2011 undergraduate online catalog http://www.marshall.edu/catalog/undergraduate/ug_10-11_published.pdf, or on pp. 21 – 23 of the spring 2010 graduate catalog http://www.marshall.edu/catalog/Graduate/S2010/gr_sp10_final.pdf.

(Note: A link has been added to the Assessment website which has the University Computing Services Acceptable Use Policy, the Affirmative Action Policy and the Inclement Weather Policy: http://www.marshall.edu/assessment/Syllabus%20Information/University_Policies.doc.

Hurricane High School Location Classes (PUTNAM COUNTY SCHOOLS):

If Putnam County Schools are closed, Marshall University classes at these locations do not meet. If Putnam County Schools are dismissed early, the MU classes taught after the dismissal time will not meet, otherwise TVRC classes will follow MU schedule as closely as possible.

Course Outline:

Date	Time	Topic	
Week 1			
08/21 (Tue)	7:30–9:50	Introduction to Human Anatomy: Lab-1 Surface Anatomy, Terminology, organization and systems.	Ch. 1, 4, Exercise.1
08/23 (Thu)	7:30–9:50	Cytology: The study of cells, their function and structural components to understand anatomical significance.	Ch.2 Additional
		Lab-2 Microscopic Anatomy (Ex.2 Computer Lab)	At home
Week 2			
08/28 (Tue)	7:30–9:50	Microanatomy: Epithelium, Connective Tissues, and Bone development, Blood vessels; Arteries and veins. Sample questions. Quiz-1	Ch.3, 6 + Additional 1
08/30 (Thu)	7:30–9:50	Integumentary System: Skin Layers, Hair, Nails, glands and clinical relevance.	Ch.5
		Lab-3 PPT and microscope use	Exercise.3
Week 3			
09/04 (Tue)	7:30–9:50	Integumentary System: Skin Layers, Hair, Nails, Glands and clinical relevance	Ch.5+ Add

09/06 (Thu)	7:30-9:50	Finish all Chapters 1-6	Ch.1-6
		Lab-4 Review Labs Epithelium, Bone, and Skin Models, specimens, and PPTs. Quiz -2	Exercise.4
Week 4			
09/11 (Tue)	7:30-9:50	Exam-I Chapters 1-6 written + Lab	
09/13 (Thu)	7:30-9:50	Head and neck, Vertebral Column	Ch.7 - 18
		Lab- 5 and 6 Bones, Skull, Vertebral Column skeleton, model, and PPT	Exercise.5, 6
Week 5			
09/18 (Tue)	7:30-9:50	Vertebral Column, Muscles of the back Spinal Cord Chapter 14. Quiz-3	Ch.7-18
09/20 (Thu)	7:30-9:50	Vertebral Column and Muscular System of Back Lab- 7 Muscular System	Ch.10 Exercise. 7
Week 6			
09/25 (Tue)	7:30-9:50	CNS: Brain, ANS, Sensory and Motor Cortex	Ch.13-18
09/27 (Thu)	7:30-9:50	CNS: Brain, ANS, Sensory and Motor Cortex Lab- 8 CNS, Spinal Cord (review), Endocrine System	Ch.13-18 Exercise.8-11
Week 7			
10/02 (Tue)	7:30-9:50	CNS: Brain, ANS, Sensory and Motor Cortex	Ch.13-18
10/04 (Thu)	7:30-9:50	Finish CNS Review (if all material covered). Quiz-4	
Week 8			
10/9 (Tue)	7:30-9:50	Exam-II Skeletal System, CNS, Vertebral Column, and muscles of the back Plus some questions from Exam – I	Written + Lab
10/11 (Thu)	7:30-9:50	Upper Extremity: Appendicular skeleton, Muscle, blood supply and innervation	Ch.8-12
Week 9			
10/16 (Tue)	7:30-9:50	Upper/Lower Extremity: Cont	Ch.8-12
10/18 (Thu)	7:30-9:50	Upper/Lower Extremity:	Ch.8-12
		Lab-9 Skelton, Muscles, Blood supply and innervation. Quiz-5	
Week 10			
10/23 (Tue)	7:30-9:50	Thorax: Over view and introduction to cavity	Ch.19-21, 23
10/25 (Thu)	7:30-9:50	Blood, Cardiovascular/Respiratory system Quiz-6	Ch.19-21, 23
Week 11			
10/30 (Tue)	7:30-9:50	Exam –III (Some questions from Exam I and II)	
11/01 (Thu)	7:30-9:50	Finish Thorax: Lab -10 Model Thoracic cavity and PPTs	Ch.19-21 Exercise12-14
Week 12			
11/06 (Tue)	7:30-9:50	Respiratory System Anatomy	Ch-23
11/08	7:30-9:50	Lymphatic System and immunity-Quiz-7 (40)	Ch.22
Week 13			

11/13 (Tue)	7:30-9:50	Lab-11 Models, Prosection and PPTs	Exercise15-17
11/15 (Thu)	7:30-9:50	ABDOMEN: Digestive Tract, Urinary system Lab-12 Kidney Models and PPT structure detail	Ch. 24-25
Week 14			
11/20 (Tue)	7:30-9:50	NO CLASSES: HAPPY THANKSGIVING	
11/22 (Thu)	7:30-9:50	NO CLASSES: HAPPY THANKSGIVING	
Week 15			
11/27 (Tue)	7:30-9:50	ABDOMEN: Digestive Tracts ystem, Quiz-8 (40)	Ch. 24
11/29 (Thu)	7:30-9:50	ABDOMEN: Digestive Tracts ystem-Cont	Ch. 24
Week 16-17 FINALS			
12/04 (Tue)	7:30-9:50	Urinary/Renal System	Ch. 25
12/06 (Thu)	7:30-9:50	Pelvis: Organs of pelvis, reproductive System	Ch. 26
12/11 (Tue)	7:30-9:50	Review if all lecture material is completed	
12/13 (Thr)	7:30-9:50	Final/Exam IV Comprehensive 60% New + 40% old	

This syllabus is presented as a guide and may be subject to change at anytime at the instructor's discretion.