



## Online Introduction to Human Anatomy (NBAN 205) Syllabus

**Course Number:** NBAN 205

**Title:** Introduction to Human Anatomy

**Format:** Online course tailored to asynchronous distance learners

**Credit Hours:** 3 credit hours

**Course Description:** An introductory human anatomy course that uses a combined regional and systemic approach to examine the relationships and organization of the major structures within the thorax, abdomen, head/neck, and back/limbs regions of the body. Students are expected to learn the fundamentals of human anatomy relevant for clinical application. The emphasis of the course is on gross anatomy, with relevant microanatomy taught as needed. A systems approach is used to prepare students to understand relationships among structures that contribute to the functioning of organ systems. A combination of lecture and interactive learning activities will help to develop student knowledge and critical thinking skills as applied to anatomical terminology and concepts.

### **Course Objectives:**

**Students successfully completing this course will be able to:**

- 1.** Name and apply anatomical terminology for body positions, orientation, movements, and relationships of structures.
- 2.** Identify the structure and function of the musculoskeletal system, including the major bones of the axial and appendicular skeleton, structural features of these bones and their functional relevance, and major muscle groups of the body and their functions.
- 3.** Identify the structure and function of the cardiovascular system of the body, including: normal adult and fetal circulations; chambers, valves, great vessels and blood supply of the heart; distinctions between arteries and veins; flow of oxygenated and de-oxygenated blood through the body; major arteries supplying limbs, thoracic, abdominal and pelvic viscera, organs of the central nervous system, and the venous return from those same structures; lymph nodes, lymph circulation and relationships to blood circulation.
- 4.** Identify the structure of the respiratory system, its relationship to the cardiovascular system for exchange of blood gases, and relationship to other organs of the thoracic cavity.
- 5.** Identify the structures of the digestive system and the relationships among these organs.

6. Identify the structures of the urinary system and relationships to other abdominal and pelvic organs.

7. Identify the structure of reproductive organs, including prenatal development and positions of gonads, pregnancy-related anatomical changes, stages of parturition, as well as normal adult structures.

8. Identify the structure and basic functions of the components of the central and peripheral nervous systems, and associated structures, such as meninges.

**Prerequisites:** One semester of introductory undergraduate biology and a general knowledge of computers, email and internet use.

**Technical Skills Requirements:**

1. Using email with attachments.
2. Navigate the web.
3. Download and install software.
4. Consult software tutorials and other online sources as a method of learning software features.

**Helpful Technical Links:**

[eCampus Tutorial](#) - help learn about WVU eCampus

[Web Browser Checker](#) - insures your computer's web browser is compatible and has the required plug-ins

[WVU Help Desk](#) contact information:

Phone: 304-293-4444

Toll Free: 1-877-327-9260

email: [ITSHelp@mail.wvu.edu](mailto:ITSHelp@mail.wvu.edu)

**Course Communications:**

We use MIX to communicate with you during NBAN 205, so it is important to check your MIX email throughout the course. **Do Not** depend on your personal email account; use your WVU MIX email so you don't miss important course information and communications. For questions on course content, please contact Dr. Dawn Hunter ([dhunter@mix.wvu.edu](mailto:dhunter@mix.wvu.edu)). **I will respond to your email within 24 hours.**

**Schedule:** Asynchronously delivered course via the Internet. The course offered spring, summer, and, fall semesters.

**Location:** The West Virginia University e-Campus web site: <http://ecampus.wvu.edu>.

**Required Textbook:**

Marieb, Mallatt, and Wilhelm, *Human Anatomy Textbook*, 8th Edition, Copyright: 2016, Publisher: Pearson/Benjamin Cummings

**ISBN-10: 0134215036**

**ISBN-13: 978-0134215037**

**Textbook may be purchased from:**

1. [WVU Health Sciences Center Bookstore](#): 112-G Health Sciences Center Morgantown, WV 26506, 304-293-4849
2. [Amazon.com](#)
3. [Usedtextbooks.net](#) (highly recommended)

**Please note that the textbook is needed at the start of the course.** Any delay in having it will affect your course performance.

**Media:** module overviews, web notes, and other textual and media resources will be provided on the WVU eCampus NBAN 205 Website.

**Required Assignments:**

**Course Content is Divided into Four Sequential Modules Presented over the Semester. Each Module has 4 or 5 Sections.**

**In Each Section, Students Will Do the Following:**

1. Read To-Do List
2. Check Learning Objectives
3. Complete Reading Assignments in Required Textbook (Marieb, Mallat, and Wilhem, *Human Anatomy*, 8th Edition, 2016).
4. Read and Study the Online Web Notes.
5. Successfully Complete Interactive Activities and Practice Quizzes - **activities and quizzes are NOT GRADED**, but provide immediate feedback on your performance. The interactive exercises are a great way of studying the course content in each section and can be taken as many times as you like. The exercises and practice quizzes are a great way to gauge how well you know the course material!

**Hint: Questions from the interactive activities and quizzes will be found on the scheduled module exams!!**

**In Each Module, Students Will Do the Following:**

**1. Discussion Forum (with grading rubric) will be posted on the discussion board at the beginning of each module.** In the discussion forum, students are asked questions and are responsible to post answers, interact, and provide additional thought provoking questions/comments to the discussion. A forum is posted for each module and you have the entire duration of that module to join, interact, and post questions to the discussion. A rubric is posted with each discussion forum to provide the grading criteria used in the evaluation of student responses. **Please Note: At least five responses per student is required in each module grading rubric.** A total of four discussion forums are posted and each one is worth 12 points. Please take advantage of the Discussion Forum, it is a great way to discuss important anatomical concepts with the instructor and your fellow students.

**2. An Essay question (with grading rubric) will be posted for each module.** Each essay question will be posted with a grading rubric to identify the specific requirements and acceptable performance standards required in the essay. A total of four module essays will be posted and each one is worth 45 points.

**3. Practice exam (not graded) will be posted for each module (one week before scheduled module exam).** Taking the practice exams will **NOT** give you points but are a great way to become familiar with the eCampus Assessment format (used for the scheduled module exams) and as a way to gauge your studies for each module. The practice exams heavily reflect what you can expect on the scheduled module exams. Once posted, a practice exam can be taken as often as you like.

**4. SCHEDULED module exam (graded) will be posted for each module.** Exams are timed; once you begin an exam you will have 70 minutes to complete it. A total of four scheduled module exams will be taken in the course. Each exam has 50 multiple-choice questions and each question is worth 2 points making each exam worth 100 points.

**Course Outline:**

**Module One (Introduction to the Body) Graded Material - 157 Total Points**

- Discussion Forum - 12 points
- Essay Question - 45 points
- Scheduled Module Exam- 100 points

**Test the Comprehension of the Learning Objectives in All 4 Sections of Module 1:**

Section 1: Organization of the Body

Section 2: Cells and Tissues

Section 3: Skeletal System

Section 4: Muscular System

**Module Two (Thorax) Graded Material - 157 Total Points**

- Discussion Forum - 12 points
- Essay Question - 45 points
- Scheduled Module Exam - 100 points

**Test the Comprehension of the Learning Objectives in All 4 Sections of Module 2:**

Section 1: Regional Anatomy of Thorax

Section 2: Respiratory System

Section 3: Cardiovascular System

Section 4: Lymphatic/Immune Systems.

**Module Three (Abdomen and Pelvis) Graded Material - 157 Total Points**

- Discussion Forum - 12 points
- Essay Question - 45 points
- Scheduled Module Exam - 100 points

**Test the Comprehension of the Learning Objectives in All 5 Sections of Module 3:**

Section 1: Regional Anatomy of Abdomen

Section 2: Digestion System

Section 3: Urinary System

Section 4: Reproductive System

Section 5: Regional Anatomy of Pelvis

**Module Four (Nervous System and Special Senses) Graded Material - 157 Total Points**

- Discussion Forum - 12 points

- Essay Question - 45 points
- Scheduled Module Exam - 100 points

**Test the Comprehension of the Learning Objectives in All 4 Sections of Module 4:**

Section 1: Fundamentals of Nervous System

Section 2: Central Nervous Systems

Section 3: Peripheral Nervous System

Section 4: Special Senses

**Overall Course Points:**

Four Question/Answer Forum, 12 Points Each = 48 Points

Four Essay Questions, 45 Points Each = 180 Points

Four Scheduled Module Exams, 100 points each = 400 points

Total Points for Course = 628 points

**Grading Scale:**

**Total Points      Letter Grade**

**628 - 566 Points = A (100-90%)**

**565 - 503 Points = B (89-80%)**

**502 - 440 Points = C (79-70%)**

**439 - 402 Points = D (69-64%)**

**401 - 0 Points = E (63-00%)**

**I = Incomplete** (failure to complete the course on time)

**Grading Policy:** If personal difficulties prohibit taking an exam on its scheduled date, students must contact the Course Director (Dr. Dawn Hunter) prior to the scheduled module exam date.

**Attendance:** Because this course is offered online, attendance will not be taken into account for grading purposes. Overall success, however, is vitally dependent on interaction with the course material and participation in course exercises. It is therefore recommended that students take the initiative to review all course material, complete all text and online exercises, and take all practice quizzes. If difficulties accessing information on the web site are encountered, contact the Technical Director.

**Student Conduct Code:** The Student Conduct Code is a policy to encourage West Virginia University students to engage in proactive and intentional efforts to build connections and relationships with their community and to set forth a policy regarding student conduct and discipline at West Virginia University. For more information consult the link: [WVU student conduct code](#).

**Academic Honesty:** The West Virginia University policy regarding cheating and academic dishonesty will be strictly adhered to in this course. It is expected that students will take exams independently. For more information consult this link: [WVU Academic Standards](#).

**Social Justice Statement:**

1. West Virginia University is committed to social justice. We concur with that commitment and expect to maintain a positive learning environment based upon open communication, mutual

respect, and nondiscrimination. Our University does not discriminate on the basis of race, sex, age, disability, veteran status, religion, sexual orientation, color or national origin. Any suggestions as to how to further such a positive and open environment in this class will be appreciated and given serious consideration.

2. If you are a person with a disability and anticipate needing any type of accommodation in order to participate in this class, please advise us and make appropriate arrangements with Disability Services by telephone at 304-293-6700 or email: [disserv@wvu.edu](mailto:disserv@wvu.edu). For more information consult this link: [WVU Division of Diversity, Equity and Inclusion](#).

**Accessibility:**

If you are a person with a disability and anticipate needing any type of accommodation in order to participate in this class, please advise me and make appropriate arrangements with the Office of Accessibility Services.

**Contact the WVU Office of Accessibility Services**

Phone: 304-293-6700

Email: [disserv@wvu.edu](mailto:disserv@wvu.edu).

Website: [WVU's Office of Accessibility Services \(OAS\)](#)

**Learn About Blackboard Accessibility Services**

Website: [Blackboard Accessibility Resources](#)

**Updated the Online NBAN 205 Syllabus on March 20, 2017.**