BOROUGH OF MANHATTAN COMMUNITY COLLEGE
The City University of New York
Department of Science

Anatomy & Physiology II
Bio 426
Fall 2021

Instructor Information:

Name__________________________E-mail/phone__________________________Office__________________________

Course Description
This is the second semester of a two-semester course that explores the human body as an integrated, functional complex of systems. Terminology, structure and function of each organ system, and the interrelationships between systems are emphasized.

Prerequisites:
BIO 425 & CHE 118 or CHE 121, or departmental approval

NOTE: BIO 426 does not meet the science requirement in the liberal arts curriculum.

Course Student Learning Outcomes

1. Students will be able to explain the relationship between anatomical features and functions of each organ system.
2. Students will be able to identify structures associated with each of the organ systems.
3. Students will be able to discuss concepts related to anatomy and physiology which can be applied to disease states.

Measurements
1. Quizzes and examinations.
2. Laboratory exercises and practical exams.
3. Quizzes and examinations.

General Education Learning Outcomes

X Quantitative Reasoning- Students will be able to use quantitative skills and the concepts and methods of mathematics to solve problems.
X Scientific Reasoning- Students will be able to apply the concepts and methods of the natural sciences.

Measurements
Laboratory exercises and mathematically based test questions.
Students will assimilate class and laboratory information in order to answer questions related to the health field.

Evaluation of Students: The course will be graded on the following (as determined by instructor):
- Lecture: 70-80%
- Lab: 20-30%

Use of Technology:
- Blackboard and on-line textbook (Connect) module.
- Other technology will be required per the instructor for supplementing online lectures and lab activities.
REQUIRED TEXTBOOK & READINGS:


Choose one of the following versions:
- Custom Loose-Leaf with ConnectPlus: ISBN #9781264370368 ($178.57, College Bookstore)
- e-text with ConnectPlus: through instructor’s personal Connect URL (reduced price)

(Note this textbook and ConnectPlus access is the same as is used in BIO425.)

LABORATORY MANUAL:

*Anatomy & Physiology Laboratory Manual for BIO 426 (BMCC custom version),* by Goodwyn, L. and Salm, S., Morton Publishing Company, 2014:

- BMCC custom version: ISBN # 9781617313462 ($44.66, only available from the College Bookstore. For online orders, students should order their lab manual ASAP and it will be mailed to them from the Bookstore.

OTHER REQUIRED MATERIALS:

*McGraw-Hill ConnectPlus: on-line course material for Anatomy and Physiology, 9th ed. (packaged with BMCC custom loose-leaf or hardcover edition or available from the publisher’s website)*

COLLEGE BOOKSTORE (all books can be ordered online):
https://bmcc.bncollege.com/shop/bmcc/page/find-textbooks
This syllabus is provided as a general informational guide. Some of the information may vary depending on the specific course section and instructor. Different sections of the same course may require different textbooks. Verify the section specific textbook information in the CUNY’s Academic Course Schedule Web Page. Modifications of the grading system presented here will be communicated by the instructors of the sections when they meet the class.

**BMCC MASK MANDATE POLICY FOR IN-PERSON CLASSES**

CUNY has put in place a temporary mask mandate policy that requires the wearing of masks indoors in all campus buildings. See: [https://www.cuny.edu/coronavirus/university-updates/clarity-new-mask/](https://www.cuny.edu/coronavirus/university-updates/clarity-new-mask/)

Face masks help prevent the spread of COVID-19. As it is possible to have or carry the coronavirus without having or showing symptoms, it is necessary for every person in our community to wear a mask even if you are fully vaccinated and/or have tested negative for COVID19, or think you are completely healthy. For appropriate/acceptable masks and guidelines on use, see CDC guidelines at: [https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/diy-cloth-face-coverings.html](https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/diy-cloth-face-coverings.html).

While the mask mandate is in effect, the following will apply to all in-person classes (including in-person classes associated with hybrid courses):

- In a classroom, if a fully vaccinated instructor is teaching a class and can maintain social distance from all others in the classroom, he/she may choose not to wear a mask (subject to any additional Department guidelines regarding the use of face shields or other layers of protection).
- Students who attempt to enter a classroom without wearing masks will be asked by the instructor to put on their masks before entering. Students who remove their masks during a class session will be asked by the instructor to put on their masks. Masks will be available for distribution for those who need one.
- Students may remove their masks momentarily during class (to drink something quickly), in classrooms other than labs, but must replace their masks immediately after that. The consumption of food is not permitted in any classroom or lab.
- Students who are not fully vaccinated are also required to maintain social distancing between themselves and all others in a classroom.

**LABORATORY PROCEDURES (IN-PERSON LABS)**

1. No food or drinks of any kind are permitted in the laboratory.
2. All dissection “cuttings and rinsings” must be discarded in appropriate garbage cans.  
   **No such materials may be left in sinks or sink drains!**
3. All dissecting tools must be washed and returned to their proper trays.
4. Prepared slides must be removed from microscopes, cleaned and returned to their proper trays.
5. Microscopes must have their cords properly wound and tied, and scopes should be on their correct shelves with their numbers facing outwards.
6. Models must be left with all parts attached properly for incoming classes.
7. All tables, sinks, counters and floors should be left spotless.
8. Adhere to all dress code and other instructions outlined in the Laboratory Safety and Protocol document.
BMCC is committed to the health and well-being of all students. It is common for everyone to seek assistance at some point in their life, and there are free and confidential services on campus that can help.

Advocacy and Resource Center [https://www bmcc cuny edu/student affairs arc/](https://www.bmcc.cuny.edu/student-affairs/arc/), room S230, 212-220-8195. If you are having problems with food or housing insecurity, finances, health insurance or anything else that might get in the way of your studies at BMCC, come by the Single Stop Office for advice and assistance. Assistance is also available through the Office of Student Affairs, S350, 212-220-8130.

Counseling Center [https://www bmcc cuny edu/student affairs counseling/](https://www.bmcc.cuny.edu/student-affairs/counseling/), room S343, 212-220-8140. Counselors assist students in addressing psychological and adjustment issues (i.e., depression, anxiety, and relationships) and can help with stress, time management and more. Counselors are available for walk-in visits.

Office of Compliance and Diversity [https://www bmcc cuny edu/about bmcc compliance diversity/](https://www.bmcc.cuny.edu/about-bmcc/compliance-diversity/), room S701, 212-220-1236. BMCC is committed to promoting a diverse and inclusive learning environment free of unlawful discrimination/harassment, including sexual harassment, where all students are treated fairly. For information about BMCC's policies and resources, or to request additional assistance in this area, please visit or call the office, or email olevy@bmcc.cuny.edu, or twade@bmcc.cuny.edu. If you need immediate assistance, please contact BMCC Public safety at 212-220-8080.

Office of Accessibility [https://www bmcc cuny edu/student affairs accessibility/](https://www.bmcc.cuny.edu/student-affairs/accessibility/), room N360 (accessible entrance: 77 Harrison Street), 212-220-8180. This office collaborates with students who have documented disabilities, to coordinate support services, reasonable accommodations, and programs that enable equal access to education and college life. To request an accommodation due to a documented disability, please visit or call the office.

Class Participation
Participation in the academic activity of each course is a significant component of the learning process and plays a major role in determining overall student academic achievement. Academic activities may include, but are not limited to, attending class, submitting assignments, engaging in in-class or online activities, taking exams, and/or participating in group work. Each instructor has the right to establish their own class participation policy, and it is each student’s responsibility to be familiar with and follow the participation policies for each course.

BMCC Policy on Plagiarism and Academic Integrity Statement
Plagiarism is the presentation of someone else’s ideas, words or artistic, scientific, or technical work as one’s own creation. Using the idea or work of another is permissible only when the original author is identified. Paraphrasing and summarizing, as well as direct quotations, require citations to the original source. Plagiarism may be intentional or unintentional. Lack of dishonest intent does not necessarily absolve a student of responsibility for plagiarism. Students who are unsure how and when to provide documentation are advised to consult with their instructors. The library has guides designed to help students to appropriately identify a cited work. The full policy can be found on BMCC’s Web site, [https://www bmcc cuny edu/](https://www.bmcc.cuny.edu/). For further information on integrity and behavior, please consult the college bulletin (also available online [https://www bmcc cuny edu/wp-content/uploads/ported/communications/pdfs/catalog/current.pdf](https://www.bmcc.cuny.edu/wp-content/uploads/ported/communications/pdfs/catalog/current.pdf)).
This syllabus is provided as a general informational guide. Some of the information may vary depending on the specific course section and instructor. Different sections of the same course may require different textbooks. Verify the section specific textbook information in the CUNY’s Academic Course Schedule Web Page. Modifications of the grading system presented here will be communicated by the instructors of the sections when they meet the class.

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LABORATORY***

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***Notes for lab sessions:

- **In-person labs** will be conducted as usual in the laboratory. All attendees at in-person lab sessions are to adhere to the Lab Safety and Protocol for Science Department laboratories.

- **Remote labs** will include a combination of lab manual activities on inclusive pages, virtual lab simulations, and/or videos to substitute “wet lab” activities, including dissections.

- **Practical examinations** are at the discretion of the instructor.