This master course syllabus is a general guide and overview of the course. Each instructor will further clarify specific criteria for grading, classroom procedures, attendance, exams and dates, etc. on his/her individual course syllabus.

**BIOL 2020 Anatomy and Physiology 2**

4 Credits

3 Class Hours, 3 Lab Hours

A continuation of BIOL 2010 designed primarily for students interested in entering health-related fields that will count as a biology elective. Topics include: the cardiac, vascular, hematologic, respiratory, immune, urinary, digestive, reproductive, and endocrine systems.

Prerequisite: A grade of “C” or better in BIOL 2010

**Instructor Information:**

Name:

Email:

Office Phone:

Office Location:

Office Hours:

**Textbook and Other Materials:**

**Required Materials**

- *Fundamentals of Human Anatomy and Physiology, 11th edition*; Authors: Martini, Nath, and Bartholomew; Publisher: Pearson Benjamin Cummings (ISBN: 9780134394954 ) includes access code for Mastering A and P.

- Students who purchase a used copy of the textbook must also purchase an access code for Mastering A and P for *Fundamentals of Human Anatomy and Physiology, 11th edition*;
  Publisher: Pearson Benjamin Cummings  (ISBN: 9780134478692 )

- Custom version of *Laboratory Manual for Human Anatomy and Physiology, 3rd edition*;
  Publisher: McGraw Hill (ISBN 9781308942902)
Optional materials

- *Anatomy & Physiology Coloring Workbook*; Author: Elaine Marieb; Publisher: Pearson Benjamin Cummings (ISBN: 9780134459363)

Course Outcomes:
Upon successful completion of this course, students should be able to:

- Identify by the name, and describe the location, gross and microscopic structure and physical interrelationships of all organs covered in the course.
- Describe the function of the cardiovascular, respiratory, hematologic, lymphatic/immune, digestive, urinary, endocrine and reproductive systems, as well as the concepts of fluid, electrolyte and acid-base balance.
- Analyze the concept of homeostasis and the logical and critical interdependence of the body’s organs and organ systems.
- Appraise how structure denotes function and function denotes structure at the gross and cellular levels in the organ systems studied.
- Apply acquired knowledge of normal anatomy and physiology of the organ systems studied to make predictions, at the gross and microscopic levels of the effects of altered (abnormal) structure and function.
- Formulate a hypothesis concerning normal and altered physiology. Conduct an experiment that tests the hypothesis. Analyze and explain the results.

Topics to Be Covered:

Course Topics

- Heart anatomy and physiology
- Vascular anatomy and physiology
- Blood
- Immunity
- Lymphatic system
- Respiratory system
- Digestive system
- Urinary system
- Fluid, electrolyte, acid-base balance
- Endocrine system
- Reproductive system

Lab Topics

- Scientific method
- Heart anatomy
- Cardiovascular physiology
- Blood vessels
- Blood—microscopy and blood type
- Lymphatics
- Respiratory anatomy and physiology
• Renal anatomy
• Digestive system
• Endocrine system
• Reproductive system

Course Assessments:
The following performance assessments will be used to demonstrate students’ understanding, knowledge, and skills:

Lecture Tests
• Lecture tests may include multiple choice, short answer, matching, fill-in-the-blank, true-false and picture/diagram labeling questions.
• Lecture tests will be closed-book and closed-note.

Labs/Homework/In-class group work/Papers/Presentations
• Assignments covering a variety of topics will be given during the course of the semester. The format of the material will be at the discretion of the instructor.
• Assignments may be completed in class or outside class at the discretion of the instructor.
• Some assignments may be completed on-line (see Technology Statement below).

Laboratory Practical Exams
• Lab practical exams may include identification on lab models, photographs, drawings, microscopic slides, or preserved animal specimens.
• Laboratory Practical Exams will be closed-book and closed-note.

Cumulative Mid-term or Final Exams
• One or more cumulative exams will be given at the instructor’s discretion.
• Cumulative Exams will be similar in format to the Lecture Tests.

Grading Policy:
Final calculation of the course grade will be based on the following percentages:

55% - Lecture Tests
15% - Labs/Homework/In-class group work/Papers/Presentations
20% - Laboratory Practical Exams
10% - Cumulative Midterm or Final Exams

Percentages may be altered at the instructor’s discretion. However proctored, closed-book and closed-note tests and exams will contribute a minimum of 85% to the final grade.
Opportunities for extra credit points may be offered throughout the semester at the instructor’s discretion.
There will be no extra credit projects given to improve a poor grade.

Grading Scale:
A = 89.5 - 100.00
B = 79.5 - 89.49
C = 69.5 - 79.49
D = 59.5 - 69.49
F = Less than 59.5
FA (see below)
FN (see below)

Per TBR policy, a student who does not officially drop or withdraw from a course, but receives a failing grade, will receive an “FA” if the last day of attendance was earlier than two-thirds into the part-of-term. That date equates to the last day to withdraw from the course.

An FN is awarded to students who never attended class.

Late Work Policy & Make-up Procedures for Missed Assignments and Work:
Each instructor will provide policy.

Attendance Policy
A student is expected to attend all scheduled classes and laboratories. Absences in a course may affect a student’s final grade. The student is responsible for all assigned work in the course regardless of excused or unexcused absences. Tardiness may also affect a student’s final grade.

Each instructor will provide an attendance policy.

Safety Issues
The instructor will go over regulations regarding safety in lab classes. Each student must turn in a signed copy of the regulations, and will be given a copy to keep.

D2L Brightspace/NSOnline and myNSCC Email
It is the student’s responsibility to check D2L and MyNSCC email on a regular basis. These are the official communication channels between the college and students. Students are responsible for the information communicated through those channels. D2L contains specific course information and MyNSCC contains information important for other purposes.

Technology Statement
Nashville State's classes are considered to be web-enhanced. Faculty have an expectation that students will use a computer and the Internet to complete assignments, engage in online discussions, and access various course materials through Desire2Learn (D2L) course shells. Computers are available for student use at each campus during campus open hours.

ADA Compliance Statement
Nashville State complies with the Americans with Disabilities Act. If you wish to request any special accommodations for any courses in which you are enrolled, contact the Access Center at 615.353.3741 or 615.353.3721 or email accesscenter@nscc.edu.
Classroom Misconduct
Nashville State Community College has a zero tolerance policy for disruptive conduct in the classroom. Students whose behavior disrupts the classroom will be subject to disciplinary sanctions. The Nashville State Student Code of Conduct policy is available at http://www.nscc.edu/content/resources/Student_Code_of_Conduct_Policy.pdf.

Please be aware that children are not allowed in class or unattended on campus.

Academic Misconduct
Any form of academic dishonesty, cheating, plagiarizing, or other academic misconduct is prohibited. Students are responsible for understanding and aiding by the Academic Misconduct Policy in the Nashville State Student Code of Conduct that can be found at http://www.nscc.edu/content/resources/Student_Code_of_Conduct_Policy.pdf.

In addition to other possible disciplinary sanctions that may be imposed through regular college procedures as a result of academic dishonesty the instructor has the authority to assign an “F” or a “Zero” for the exercise, paper, or examination or to assign an “F” for the course. Students may appeal through the appropriate college grade appeal procedures.

Each instructor will provide a specific policy for academic misconduct.

Academic Early Warning System
Nashville State Community College has implemented an Early Warning System to notify students via e-mail about academic problems such as poor classroom attendance, poor performance on assignments/tests, poor communication skills, late/missing assignments, and/or lack of classroom participation. *Please note that Early Warning Alerts do not affect a student’s academic standing.

RAVE Emergency Alert System
Emergency events can happen at any time and Nashville State Community College wants to be able notify students if and when they occur. For this reason, all students have been enrolled in the free RAVE alert system. If you have not already done so, please log in at https://getrave.com/login/nscc to confirm and update your contact information and notification preferences. It is critical that your information be correct so that you will receive any emergency notifications. Your RAVE Username is your NSCC email address. If you've never received an email from RAVE with your password, or if you need to reset your password, select “Forgot your password?” and a new password will be emailed to you. Should the RAVE system indicate “user not found”, select Register and create your own RAVE account.

Inclement Weather Policy
Nashville State will use the RAVE alert system to send a text message to students, staff, and faculty about adjusted hours of operation and/or closings at individual campuses. All students should check the Nashville State web site home page at www.nscc.edu for announcements on campus closures, which may vary from campus to campus. Campus closures will also be announced on local television stations.

When classes are cancelled, an online assignment will be posted in NS Online. Check NS Online for a message from your instructor regarding your online assignment requirements.
Students should use their own best judgment in determining whether to report to campus during inclement weather when classes are not cancelled.

**Class Cancellation Policy**

If the class is cancelled, the instructor will notify all students by posting in the NSOnline/D2L course, e-mailing through NSOnline/D2L, and/or by posting a sign on the classroom door. In the event of class cancellation, students must access NSOnline/D2L to complete classwork and the assignment that will be posted in the course D2L site.