



Overview

Course Prefix, Course Number, Title: BIOL115-05479 Concepts of Anatomy & Physiology

Credits: 4

Meeting Days, Times, and Location: M W F 01:00pm-01:50pm Old Main 104

F 09:00am-10:50am Swain 304

Semester/Year: 2020 Spring

Campus Connection Course Dates: 01/13/2020 - 05/15/2020

Mode of Delivery: On Campus Face to Face

Instructor Information

Dr. Alexandra Deufel

alexandra.deufel@minotstateu.edu

Office Location: Cyril Moore 215

Office Hours: By appointment or whenever my door is open, so just drop by.

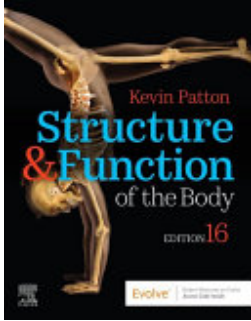
Course Details

Catalog Description: This is an introductory level course in the basic principles of anatomy and physiology as they relate to the structure and function of the human body. It is designed for physical education and corporate fitness majors. This course does not count toward any biology major. Lecture, 3 hours; laboratory, 2 hours.

General Education Category (or categories): [LABSC](#) Laboratory Science

Placement Policies: none

Required Course Materials



Structure & Function of the Body - E-Book

9780323655767

Kevin T. Patton, Gary A. Thibodeau

Elsevier Health Sciences

2019-09-28

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Student Learning Outcomes

No program-specific SLOs linked to this course

Course Objectives

After successful completion of this course, students will:

1. Understand the scientific method and recognize science vs. pseudoscience.
2. Know the scientifically correct names of human body parts and be able to identify their location and function.
3. Use anatomical terminology correctly.
4. Understand the relationship between anatomical structure and physiological function of all organ systems of the human body.

Assignments and Grading

Grading:

The lecture and laboratory sections of the course combine to contribute towards your final grade.

There will be 5 lecture exams and 3 lab exams. Each exam is worth 100 points.

Lecture exams consist of multiple-choice questions. Lab exams require you to write down short answers.

Lab attendance and completion of lab handouts will be worth 10 points each for 10 lab sessions (20 points/lab = 200 points)

1000 points total for the course

There is a possibility of oral or written pop-quizzes and/or participatory exercises during lecture. Any points earned during the lecture exercises/quizzes will be **extra credit/bonus points**. This is the **ONLY** extra credit that will be offered!

Grading Scale:

- 900-1000 Points (90 – 100%) A (excellent)
- 800-899 Points (80 – 89%) B (good)
- 700-799 Points (70 – 79%) C (average)
- 600-699 Points (60 – 69%) D (poor)
- 0-599 Points (0 – 59%) F (fail)

Tentative Course Outline:

Jan 13-17 Scientific Method, Pseudoscience - chapter 1 - NO LAB

Jan 20-24 **MLK Day**, Intro to the human body, basic chemistry - chapter 1, 2
- NO LAB

Jan 27-31 Cells and Tissues **LECTURE EXAM 1** - chapter 3, 4 - BODY ORGANIZATION LAB

Feb 03-07 Skin and Bone - chapter 6, 7 - SKELETON LAB 1

Feb 10-14 Axial and Appendicular Skeleton - chapter 7 - SKELETON LAB 2

Feb 17-21 **President's Day**, Joints - chapter 7 - **LAB EXAM 1**

Feb 24-28 Muscular System **LECTURE EXAM 2** - chapter 8 - MUSCLE LAB 1

Mar 02-06 Muscular System - chapter 8 - MUSCLE LAB 2, CADAVER LAB DAY
- MUSCLES

Mar 09-13 Nervous System - chapter 9 - NERVOUS SYSTEM AND SENSORY LAB

Mar 16-20 **Spring Break**

Mar 23-27 Sensory and Endocrine Systems - chapter 10, 11 - **LAB EXAM 2**

Mar 30-Apr 03 Blood and Cardiovascular System **LECTURE EXAM 3** -
chapter 12, 13 - BLOOD LAB

Apr 06-10 Lymphatic and Respiratory Systems - chapter 14, 15 - HEART AND CIRCULATION LAB

Apr 13-17 Respiratory and Digestive systems, **Easter** - chapter 15, 16 - NO LAB

Apr 20-24 Urinary system **LECTURE EXAM 4** - chapter 18 - RESPIRATORY, DIGESTIVE, URINARY LAB

Apr 27-May 1 Fluid, Electrolyte, Acid-Base balance - chapter 19, 20 - REPRODUCTIVE, CADAVER LAB DAY - INTERNAL ORGANS

May 04-08 Reproductive System and Development - chapter 21, 22 - **LAB EXAM 3**

May 11-15 FINALS WEEK **LECTURE EXAM 5**

Important Dates

Final Exam Date and Time: Tuesday, May 12, noon - 1:50pm

Assessment Day: February 18th, 2020

Late and Missed Work

You have to tell me well *before* any exam if you can't attend. No-shows because of medical or family emergencies have to call me as soon as possible to make other arrangements and be prepared to show documentation from a doctor or other official. Unlike the regular exams, **makeup exams will not be multiple-choice!** You do not automatically have a right for a makeup exam. Giving makeups is up to my discretion.

If you anticipate missing a lab, let me know as soon as possible. Makeup labs are given only under special circumstances or if you are missing lab because of a university-sanctioned event. I will decide on a case-by-case basis if I will accept late lab reports.

Attendance Policy

University Attendance Policy

<http://www.minotstateu.edu/records/pages/policy-class-attendance.shtml>

Class-specific Attendance Policy

There is no credit for attendance in this class; attendance is simply expected throughout the course of the semester. If you are not interested in the class and don't want to be there, don't come and disrupt the lecture. Lecture time is not for socializing. It may be difficult to pass the course without attending. Also, you are responsible for all information given in class, including possible changes in exam dates, projects, or cancellations.

University Sanctioned Events Policy

Minot State University has a commitment to students who represent the University in official capacities. University-sanctioned activities include events that are required or encouraged by a class, program, club, or athletic team. When a student has a scheduled absence due to a university-sanctioned activity, it is the student's responsibility to communicate with the faculty member prior to his or her absence.

You will have to contact me **before** your scheduled absence to make arrangements for any missed work or exams.

Academic Honesty Policy

Please see the information given in the catalog.

Penalty for Violating the Policy

The *minimum* penalty for any kind of cheating on the exams is a grade of 0% (F) on that exam. This is difficult to recover from. Examples of cheating include, but are not limited to, copying from another student during an exam, altering one's exam after grading for the purpose of enhancing one's grade, use of any material or device not approved by the instructor during an exam. **Texting or cell phone use of any kind during an exam will result in a 0% on that exam**

ADA Accommodation Statement

In coordination with Access Services, reasonable accommodations will be provided for qualified students with disabilities (LD, Orthopedic, Hearing, Visual, Speech, Psychological, ADD/ADHD, Health Related, TBI, PTSD and Other). Please meet with the instructor during the first week of class to make arrangements. Accommodations and alternative format print materials (large print, audio, disk or Braille) are available through [Access Services](#), in person, by phone 701-858-3372 or by e-mail at evelyn.klimpel@minotstateu.edu.

Non-discrimination Statement

Minot State University subscribes to the principles and laws of the state of North Dakota and the federal government pertaining to civil rights and equal opportunity, including Title IX of the 1972 Education Amendments. Minot State University policy prohibits discrimination on the basis of race, gender, religion, age, color, creed, national or ethnic origin, marital status, sexual orientation, gender identity, or disability in the recruitment and admission of students and the employment of faculty, staff, and students, and in the operation of all college programs, activities, and services. Evidence of practices which are inconsistent with this policy should be reported using the Student Complaint and Anti-Discrimination Form located here: <https://form.jotform.com/72996849416981>.

For the complete non-discrimination statement, visit [here](#).

Title IX Statement

Minot State University (MSU) faculty are committed to helping create a safe learning environment for all students and for the university as a whole. If you have experienced any form of gender or sex-based discrimination or harassment, including non-consensual sexual intercourse, sexual harassment, relationship violence, or stalking, know that help and support are available. MSU has staff members trained to support survivors in navigating campus life, accessing health and counseling services, providing academic and housing accommodations, and more. The University strongly encourages all students to report any such incidents to the University. Please be aware that all MSU employees (other than those designated as confidential resources such as advocates, counselors, clergy, and healthcare providers) are required to report information about such discrimination and harassment to the University. This means that if you tell a faculty member about a situation of sexual harassment or sexual violence, or other related misconduct, the faculty member must share that information with the University's Title IX Coordinator. If you wish to speak to a confidential employee who does not have this reporting responsibility, you can find a list of resources on the Title IX website. For more information about your options, please visit the Title IX website: <https://www.minotstateu.edu/title9/>.

How to do well in this class

Note taking: Note taking is somewhat of an art. You have to *pay attention* to what I say in lecture and *write down the gist of it*. Don't try to write down every word I say, that will be impossible. If I go too fast, ask me to slow down. There is evidence that taking notes by hand makes you retain the information better than taking notes with a laptop. Because of copyright issues, I **do not** post my PowerPoint lecture slides with images from the book on the web.

Study habits: This course involves understanding some complex processes and requires memorization of many 'strange' (Latin, Greek) words. **Getting behind is deadly.** Course material will accumulate quickly. You should plan to *spend at least 6-8 hours per week* outside of class time reading the book, reviewing your notes, and practicing recalling the information to yourself as well as to your study buddies. Simply going to class won't be enough for most students. **YOU have to learn the material;** I provide the information to you in the simplest form possible, but can't make you absorb it. Most students find reading the textbook, paying careful attention to figures shown in class, re-writing of notes, and discussions with peers to be useful strategies for success. If you are struggling, come to me for help as early as possible during the semester.