



**Course Prefix/Number/Title:** BIOL 221 - Anatomy and Physiology II-Online

**Number of Credits:** 4 semester credits

**Course Description:** A study of the structure (anatomy) and function (physiology) of the human body. This course consists of one discussion, one two-hour lab/assignment, and one quiz each week.

**Pre-/Co-requisites:** BIOL 220

**Instructor:** Taija Hahka, MS, and PhD Candidate

**Office:** Schedule zoom meeting per request

**Phone:** (531)-721-6318

**Email:** taija.hahka@unmc.edu

**Lecture Schedule:** Online/IVN

**Lab Schedule:** In person

**Textbook:** Anatomy and Physiology, Patton and Thibodeau, 9th/10th Edition

**Lab Manual:** Hands on Labs- student ordered through <http://holscience.com/>

**General Education Competency/Goal # 1:** Identifies the interrelationships between humans and their environment. **LO # 3:** Applies scientific information in everyday life

**Course Requirements:** Grading is based on a standard college curve, where students earn a grade based upon the percent of total possible points they obtain. Although subject to slight modification based on the discretion of the instructor; this course will consist of 800 points (10 quizzes worth 20 points each, 6 exams worth 100 points each).

There is a three-day grace period to make up any missed exam or assignment with a 10% deduction for each day it is late. Any missed exam/work not made up within the allotted time will be given a zero. It is the responsibility of the student to schedule make-up work within an acceptable period of time due to extenuating circumstances.

**Grades:**

<b>Final letter grades are determined by:</b> <ul style="list-style-type: none"><li>• <b>Lecture: 90%</b></li><li>• <b>Lab: 10%</b></li></ul>	<b>Lecture Points are Based off:</b> <ul style="list-style-type: none"><li>• 6 Exams at 100 points each</li><li>• 10 Quizzes at 20 points each</li></ul>
<b>Final letter grades are assigned based on the following criteria:</b> <ul style="list-style-type: none"><li>• A = 89.5-100% of the total points</li><li>• B = 79.5 - &lt;89.5% of the total points</li></ul>	

- C = 69.5 - <79.5% of the total points
- D = 59.5 - <69.5% of the total points
- F = <59.5% of the total points

**Tentative Course Outline:**

Week 1 Jan 9-13	M	No class
	W	1 <sup>st</sup> day of class, cover syllabus, attendance, note taking, etc
	F	Ch 27: Blood
	S	Quiz 1
Week 2 Jan 16-20	M	Jan 16: No Class, Holiday (MLK)
	W	Ch 28: Heart
	F	Ch 29: Blood Vessels
	S	Quiz 2
Week 3 Jan 23-27	M	Ch 30: Circulation of Blood
	W	Exam 1 in class review
	F	Exam 1 on Ch 27-30
	S	No quiz
Week 4 Jan 30- Feb 3	M	Ch 31: Lymphatics
	W	Ch 31: Lymphatics
	F	Ch 32: Innate Immunity
	S	Quiz 3
Week 5 Feb 6-Feb 10	M	Ch 33: Adaptive Immunity
	W	Ch 34: Stress
	F	Exam 2 in class review
	S	Quiz 4
Week 6 Feb 13-Feb 17	M	Ch 34: Stress Continued
	W	Exam 2 in class review
	F	Exam 2 on Ch 31-34
	S	No quiz
Week 7 Feb 20-Feb 24	M	Feb 20: No Class, Holiday (President's Day)
	W	Ch 35: Respiratory Tract
	F	Ch 36: Ventilation
	S	Quiz 5
Week 8 Feb 27- Mar3	M	Ch 36: Ventilation Continued
	W	Ch 37: Gas Exchange
	F	Ch 37: Gas Exchange Continued
	S	No quiz
Week 9 Mar6-Mar10	M	Ch 35/36/37 Continued
	W	Exam 3 in class review
	F	Exam 3 on Ch 35-37
	S	No quiz **midterm grades due march 6 <sup>th</sup>
Week 10		

Mar13-17	M	Spring Break Week, No Class
	W	Spring Break Week, No Class
	F	Spring Break Week, No Class
	S	No quiz
Week 11 Mar20-Mar24	M	Ch 38: Upper Digestive Tract
	W	Ch 39: Lower Digestive Tract
	F	Chapter 38/39 digestion overview continued
	S	Quiz 6
Week 12 Mar27-Mar31	M	Ch 40: Digestion and Absorption
	W	Ch 41: Nutrition and Metabolism
	F	Ch 42: Urinary Tract
	S	Quiz 7
Week 13 Apr3-Apr7	M	Exam 4 in class review
	W	Exam 4 on Ch 38-41
	F	April 7: No Class, Holiday
	S	No quiz
Week 14 Apr10-14	M	April 10: No Class, Holiday
	W	Ch 43: Fluid and Electrolyte Balance
	F	Ch 44: Acid-Base Balance
	S	Quiz 8
Week 15 Apr17-21	M	Ch 44: Acid-Base Balance continued
	W	Exam 5 in class review
	F	Exam 5 on Ch 42-44
	S	No quiz
Week 16 April24-28	M	Ch 45: Male reproductive system
	W	Ch 46: Female reproductive system
	F	Ch 47: Growth and development
	S	Quiz 9
Week 17 May1-May5	M	Ch 47: Growth and development continued
	W	Ch 48: Genetics and heredity
	F	Exam 6 (final exam) in class review
	S	Quiz 10
Week 18 May8-May12		Exam 6 (final exam) on Ch 45-48 (date/time is TBD)
		Final Grades Must be Submitted by May 15 <sup>th</sup>

### Relationship to Campus Focus/Theme

This course addresses the campus theme by incorporating the latest diagnostic procedures, treatments, and other technologies that are used to identify and treat human diseases and disorders.

### Classroom Policies

1) Be respectful of other students and the instructor

2) Notify the instructor of any coursework that may be late prior to the due date

3) Notify the instructor of any future absences

### **Student Email Policy**

Dakota College at Bottineau is increasingly dependent upon email as an official form of communication. A student's campus-assigned email address will be the only one recognized by the campus for official mailings. The liability for missing or not acting upon important information conveyed via campus email rests with the student.

### **Academic Integrity**

All students are expected to adhere to the highest standards of academic integrity. Dishonesty in the classroom or laboratory and with assignments, quizzes, and exams is a serious offense and is subject to disciplinary action by the instructor and college administration. For more information, refer to the Student Handbook.

### **Disabilities and Special Needs**

Students with disabilities or special needs (academic or otherwise) are encouraged to contact the instructor and Disability Support Services. If you have a disability for which you need accommodations, you are encouraged to contact your instructor and Jackie Migler at 701-228-5672 to request disability support services as early as possible during the beginning of the semester.

### **Title IX:**

Dakota College at Bottineau (DCB) faculty are committed to helping create a safe learning environment for all students and for the College as a whole. Please be aware that all DCB 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 College Title IX Coordinator. This means that if a student tells 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 College's Title IX Coordinator. Students wishing to speak to a confidential employee who does not have this reporting responsibility can find a list of resources on the DCB Title IX webpage.