Welcome to UNT!
As members of the UNT community, we have all made a commitment to be part of an institution that respects and values the identities of the students and employees with whom we interact. UNT does not tolerate identity-based discrimination, harassment, and retaliation. UNT’s full Non-Discrimination Policy can be found in the UNT Policies section of the syllabus.

Instructor:
Dr. Xiaodan Shi Xiaodan.Shi@unt.edu
Office: Discovery Park K240 J
Phone: 940-369-8950
Office Hours: appointment by email
Lecture: M, W 5:30-6:20 pm
Zoom ID: 942-1567-6342

Teaching Assistant:
Katelyn Mathis KatelynMathis@my.unt.edu
Office: Discovery Park K240
Labs: Discovery Park K140

Course Description:
Introduction to an understanding of mammalian physiology and the engineering aspects of different physiological systems. Focuses on a number of organ systems that may include cardiovascular, respiratory and renal. Introduction to the basic concepts of human anatomy. The gross anatomical features of the body systems are presented together with the relevant developmental, histological, functional and clinical facts.
Prerequisites: BMEN 1300, BMEN 2320, BIOL 2301, BIOL 2311

Course Objectives:
Upon successful completion of this course, students will (1) understand the functions of the body including the major systems of the body, cellular biology, and specific organs of the body; (2) learn (and demonstrate what they learned) about homeostasis, (un)common ailments, and current remedies to improve the life of one afflicted; (3) apply this knowledge by designing and presenting a mechanical or technical resolution to a sickness, malformation, or other physical ailment of the body; (4) participate in a concurrent lab by working in groups to learn software that interfaces with and demonstrates the intricacy of the human body.

ABET Outcome 1: Ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.

Course Materials
No required textbooks. All course materials will be posted on Canvas including lecture notes, slides, assignments, reading, etc. Recommended references:

- *Introduction to the Human Body – The Essentials of Anatomy and Physiology*

### Major Assignments and Grading:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Percentage</th>
<th>Grade Range</th>
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</thead>
<tbody>
<tr>
<td>Quizzes</td>
<td>5%</td>
<td>A 89.5 – 100%</td>
</tr>
<tr>
<td>Homework</td>
<td>10%</td>
<td>B 79.5 – 89.4%</td>
</tr>
<tr>
<td>Laboratory</td>
<td>25%</td>
<td>C 69.5 – 79.4%</td>
</tr>
<tr>
<td>Three Exams</td>
<td>60%</td>
<td>D 59.5 – 69.4%</td>
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<td>F &lt; 59.5%</td>
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### Important Dates

- Labor Day no class: 9/7 (no class)
- BMES meeting: 10/14 (no class)
- Exam 1: 9/28 (5:30-6:30 pm)
- Exam 2: 11/2 (5:30-6:30 pm)
- Exam 3: 12/7 (5:30-6:30 pm)

### Course Policy

#### Homework

All homework should be *submitted to Canvas in the format of MS Word or PDF files*. Do not email. No late homework accepted. Quizzes will be given on Canvas periodically.

#### Exams

There will be three sectional exams throughout the semester. Exams will be delivered via Lockdown Browser (webcam required) on Canvas. Each exam will cover materials from the previous lecture section only. Exam questions will be a combination of multiple choices, true/false, short answers, fill in the blanks, matching, etc.

Make-up exams will not be given without university-approved permission.


Students who have more than two final examinations scheduled on one day may request to reschedule one of the examinations on another day during the final examination period as follows: https://registrar.unt.edu/exams/exam-policies

#### Academic Integrity Policy

Academic Integrity Standards and Consequences. According to UNT Policy 06.003, Student Academic Integrity, academic dishonesty occurs when students engage in behaviors including, but not limited to cheating, fabrication, facilitating academic dishonesty, forgery, plagiarism, and sabotage. A finding of academic dishonesty may result in a range of academic penalties or sanctions ranging from admonition to expulsion from the University.
**Attendance Policy**

The University of North Texas recognizes that student success is promoted by regular attendance and participation in class. It is the responsibility of the faculty member to notify students in writing of any special attendance requirements for the class. This policy applies to all modes of course delivery. [https://policy.unt.edu/policy/06-039](https://policy.unt.edu/policy/06-039)

**COVID-19 Impact on Attendance**

While attendance is expected as outlined above, it is important for all of us to be mindful of the health and safety of everyone in our community, especially given concerns about COVID-19. Please contact me if you are unable to attend class because you are ill, or unable to attend class due to a related issue regarding COVID-19. It is important that you communicate with me prior to being absent so I may make a decision about accommodating your request to be excused from class.

If you are experiencing any symptoms of COVID-19 ([https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html](https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html)) please seek medical attention from the Student Health and Wellness Center (940-565-2333 or [askSHWC@unt.edu](mailto:askSHWC@unt.edu)) or your health care provider PRIOR to coming to campus. UNT also requires you to contact the UNT COVID Hotline at 844-366-5892 or [COVID@unt.edu](mailto:COVID@unt.edu) for guidance on actions to take due to symptoms, pending or positive test results, or potential exposure. While attendance is an important part of succeeding in this class, your own health, and those of others in the community, is more important.

**Statement on Face Covering**

Face coverings are required in all UNT facilities. Students are expected to wear face coverings during this class. If you are unable to wear a face covering due to a disability, please contact the Office of Disability Access to request an accommodation. UNT face covering requirements are subject to change due to community health guidelines. Any changes will be communicated via the instructor.

**Class Materials for Remote Instruction**

The UNT fall schedule requires this course to have fully remote instruction beginning November 28th. Additional remote instruction may be necessary if community health conditions change or you need to self-isolate or quarantine due to COVID-19. Additional required classroom materials for remote learning include: Respondus Lockdown Browser with webcam. Information on how to be successful in a remote learning environment can be found at [https://online.unt.edu/learn](https://online.unt.edu/learn).