Nitsáhákees Nahátá Íína Siihasin
NAVAJO TECHNICAL UNIVERSITY
ESTABLISHED 1979

Course Title: Body Structures & Functions
Course No. NRS 110-6B
Credit Hours: 4
Semester: Spring 2022

Faculty: Janice Jumbo, B.S., M.S
E-mail: jan.jumbo@navajotech.edu
Office: ONLINE (via Blackboard)
Office Phone: 928.674.5764 (msg)
Office Hours (Online via Blackboard and/or Zoom): M - F; 8am to 8pm
Preferred Communication (email, msg, or Bb): will respond within 24 hours
Modality: ONLINE via Blackboard *Subject to change per COVID protocols*
Class Location and Meeting Times: Bb ONLINE w/ZOOM as needed (1/18-1/31)

Required Textbooks & Materials:
Herlihy, Barbara, 2018. The Human Body in Health and Illness, 6th Edition, Evolve/Elsevier
Materials: class notebook, pen, pencil, markers, glue, binder, metric ruler, scotch tape, copy paper, computer.

Mission, Vision, and Philosophy
Mission: Navajo Technical University honors Diné culture and language, while educating for the future.

Vision: Navajo Technical University provides an excellent educational experience in a supportive, culturally diverse environment, enabling all community members to grow intellectually, culturally, and economically.

Philosophy: Through the teachings of Nitsáhákees (thinking), Nahátá (planning), Íína (implementing), and Siihasin (reflection), students acquire quality education in diverse fields, while preserving cultural values and gaining economic opportunities.

Course Description & Objectives:
NRS-110 (4) Body Structure and Functions This course provides students with an introduction to human anatomy and physiology. It is intended as a first course that will provide a foundation for more complex clinical discussions and more advanced anatomy and physiology courses. This course may be offered as either an online course or in the classroom or it may be offered using a combination of both teaching methods. The course delivery method is determined by the instructor and may vary from semester to semester

Course Prerequisites: NRS 103 - Basic Medical Terminology

Upon completion of the course, students will be able to:
- ★ Understand and use anatomical terms.
- ★ Understand the function of the various organs and their relations with one another.
- ★ Know the location of each organ .
- ★ Know the normal structure of the human body in general.
- ★ Describe levels of structural organization
- ★ Explain structure and characteristics of the human cell
- ★ Use the knowledge of anatomy and physiology in nursing & medical practice.
- ★ Research and evaluate various sources of information related to body systems, in order to discern reliable scientific information

NRS110 Body Structures and Functions - Spring 22'

(Weekly Timeline -Thursday to Wednesday)

DATE	ACTIVITIES & ASSIGNMENTS	DUE
Week 1: Thurs Jan 20	1. Read Chapter 1- Intro to the Human Body 2. Self-Introduction in Week 1 Discussion: Name, clan, NTU major or career goals, and what you want to accomplish in this course.	* Blackboard Weds. Jan 26
Week 2: Thurs Jan 27	1. Review Chap 1: Objectives & key points 2. Chapter 2- Basic Chemistry & Chapter 3 - Cells: Lecture Notes & Illustrations for Chap 2 & 3 2. Writing a research paper or short essay-Intro 3. Research and essay topics 4. Chap 2 & 3 quiz 5. READ Chapter 4- Cell Metabolism Chapter 5 - Microbiology FOR WEEK 3	Weds. Feb 2
Week 3: Thurs Feb 3	1. Read Chapter 4- Cell Metabolism Chapter 5 - Microbiology Chap 4 & 5 Lecture Notes & PP 2. Chap 4 & 5 Quiz 3. Research paper & essay format - Background & research. 4. READ Chapter 6 - Tissues & Membranes Chap 7 - Integumentary System FOR WEEK 4	Weds Feb 9
Week 4: Thurs Feb 10	1. Read Chapter 6 - Tissues & Membranes Chap 7 - Integumentary System 2. lecture notes and Illustrations 3. Case Studies - Group Discussion 4. Research paper & essay format - Methods & Data 5. READ Chapter 8 Skeletal System & Chap 9 Muscular System for WEEK 5	Weds Feb 16
Week 5: Thurs Feb 17	1. Chap 8 Skeletal System & Chap 9 Muscular System: lecture notes, illustrations & Identification & function activities 2. Chap 8 & 9 quiz 3. Research paper & essay format - Conclusion 4. Case studies - Group Discussion 5. READ Chap 10, 11 & 12 Nervous & Autonomic System FOR WEEK 6	Weds Feb 23
Week 6: Thurs Feb 24-	1. Chap 10, 11 & 12 Nervous & Autonomic System 2. Review lectures notes & Illustrations 3. Chap 10, 11 & 12 quiz 4. Research paper - peer review 5. Case studies - Group Discussion	Weds Mar 2
Week 7: Thurs Mar 3-	1. Midterm Review: Chapters, lectures, quizzes covered from week 1 - week 6. 2. Research paper - Draft #1 Due	Wed Mar 9

Week 8: Thurs Mar 10	*MIDTERM EXAM* Due 3/8/22 at 11:59pm READ/REVIEW Chap 13 - Sensory System & Chap 14 - Endocrine System FOR WEEK 10	Thurs Mar 10
Week 9: Mon Mar 14	♦SPRING BREAK♦	Fri Mar 18
Week 10: Thurs Mar 24- Mon March 30	1 Chap 13 - Sensory System & Chap 14 - Endocrine System lecture/notes, illustrations & Identification & functions activities 2. Chap 13 & 14 quiz 3. Case studies - Group Discussions 4. Research paper - Follow-up 5. READ Chap 15 - Blood; Chap 16 - Anatomy of the heart; Chap 17 - Anatomy of the heart FOR WEEK 11.	Weds Mar 30
Week 11: Thurs Mar 31-	1. Chap 15 - Blood; Chap 16 - Anatomy of the heart; Chap 17 - Function of the heart: lecture, illustrations & identification activities 2. Chap 15, 16 & 17 quiz 3. Case studies - Group Discussions 4. READ Chap 18 & 19- Blood Vessels FOR WEEK 12	Wed Apr 6
Week 12: Thurs April 7-	1. Chap 18 & 19- Blood Vessels: lecture, illustrations and identification activities 2. Chap 18 & 19 quiz 3. Case studies - Group Discussions 4. Research paper - Draft #2 Due 5. READ Chap 20 - Lymphatic Sys & Chapter 21 - Immune System FOR WEEK 13	Weds Apr 13
Week 13: Thurs April 14-	1. Chap 20 - Lymphatic Sys & Chapter 21 - Immune Sys: lecture, illustrations and identification activities 2. Quiz 3. Case studies - Group Discussions 4. READ Chap 22 - Respiratory Sys & Chap 23 - Digestive System for WEEK 14	Weds Apr 20
Week 14: Thurs April 21-	1. Chap 22 - Respiratory Sys & Chap 23 - Digestive Sys: lecture, illustrations and identification activities 2. Quiz 3. Case studies - Group Discussions 4. Research paper - Final paper peer review & feedback 5. READ Chap 24- Urinary Sys & Chap 26 - Reproductive Sys. for WEEK 15	Weds Apr 27
Week 15: Thurs Apr28	1 Chap 24- Urinary Sys & Chap 26 - Reproductive Sys: lecture, illustrations and identification activities 2. Quiz 3. Case studies - Group Discussions 4. Research paper - Summary presentations	Weds May 4
Week 16:	1. Final Exam Review: Chapters & lectures covered	

Thurs May 5-	from week 10 - week 15, including midterm exam 2. Final exam questions & discussions 3. Final paper due!	Thurs May 10
Week 17: Thurs May 12	*FINAL EXAM* Due 5/10/22	Thurs May 10

Grading Scale:

Homework:	10%
Participation:	10%
Semester Project:	15%
Quizzes :	10%
Mid-term:	25%
Final Exam:	30%
TOTAL	100%

A = 100-90%
B = 89-80%
C = 79-70%
D = 69-60%
F = 59% or less

Grading Policy:

Students must do their own work. Cheating and plagiarism are strictly forbidden. Cheating includes (but is not limited to) plagiarism, submission of work that is not one's own, submission or use of falsified data, unauthorized access to exams or assignments, use of unauthorized material during an exam, or supplying or communicating unauthorized information for assignments or exams.

Participation:
Students are expected to attend and participate in all class activities. Points will be given to students who actively participate in class activities including guest speakers, field trips, laboratories, and all other classroom events.

Cell phone and headphone use:
Please turn cell phones off **before** coming to class (in-person learning mode) and before any Zoom interactions. Cell phone courtesy is essential to quality classroom learning. Headphones must be removed before coming to class.

Attendance Policy:

Students are expected to attend all class sessions. If more than ten minutes late, students will be counted as absent. A percentage of the student's grade will be based on class attendance and participation. Absence from class, regardless of the reason, does not relieve the student of responsibility to complete all course work by required deadlines. Furthermore, it is the student's responsibility to obtain notes, handouts, and any other information covered when absent from class and to arrange to make up any in class assignments or tests if permitted by the instructor. Incomplete or missing assignments will necessarily affect the student's grades. Instructors will report excessive and/or unexplained absences to the Counseling Department for investigation and potential intervention. Instructors may drop students from the class after three (3) absences unless prior arrangements are made with the instructor to make up work and the instructor deems any excuse acceptable.

Study Time Outside of Class for Face-to-Face Courses:
For every credit hour in class, a student is expected to spend two hours outside of class studying course materials.

Study Time for Hybrid or Blended Courses;
For a hybrid or blended course of one credit hour, a student is expected to spend three hours per week studying course materials.

Study Time for Online Courses:
For an online course of one credit hour, a student is expected to spend four hours per week studying course materials.

Academic Integrity:
Integrity (honesty) is expected of every student in all academic work. The guiding principle of academic integrity is that a student's submitted work must be the student's own. Students who engage in academic dishonesty diminish their education and bring discredit to the University community. Avoid situations likely to compromise academic integrity such as: cheating, facilitating academic dishonesty, and plagiarism; modifying academic work to obtain additional credit in the same class unless approved in advance by the instructor, failure to observe rules of academic integrity established by the instructor. The use of another person's ideas or work claimed as your own without acknowledging the original source is known as plagiarism and is prohibited.

Diné Philosophy of Education:
The Diné Philosophy of Education (DPE) is incorporated into every class for students to become aware of and to understand the significance of the four Diné philosophical elements, including its affiliation with the four directions, four sacred mountains, the four set of thought processes and so forth: Nitsáhákees, Nahát'á, Íína and Siih Hasin which are essential and relevant to self-identity, respect and wisdom to achieve career goals successfully.

Students with Disabilities:
Navajo Technical University is committed to serving all students in a non-discriminatory and accommodating manner. Any student who feels that she or he may need special accommodations should contact the Accommodations Office (http://www.navajotech.edu/student-services#accomodationsservices) in accordance with the university's Disability Accommodations Policy (see http://www.navajotech.edu/images/about/policiesDocs/Disability_Exhibit-A_6-26-2018.pdf).

Email Address:
Students are required to use NTU's email address for all communications with faculty and staff.
