

Robert D. & Carol Gunn College of Health Sciences & Human Services

Course Syllabus: Foundations of Comprehensive Pathophysiology NURS 3733 Fall 2025

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Course Description:

- 1. This course is designed to enhance the working RN's existing understanding of the pathophysiological processes of disease as they affect clients across the lifespan. The interrelationship of structural and functional reaction of cells and tissues to genetic alterations and injurious agents provide the foundation for comprehending clinical manifestations and treatment protocols. Critical thinking and nursing management are enhanced through the use of case studies that integrate nutritional and pharmacological concepts. The understanding of environmental and biological risks factors provides the nurse with the knowledge to provide health promotion and prevention education.
- 2. Credit hours for the course is 3 hours.
- 3. AACN Essentials: For further information regarding the AACN Essentials identified for each course objective, refer to: <a href="https://doi.org/10.1007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/jhan.2007/j

Course Objectives:

Upon completion of this course, the student will be able to:

- 1. Demonstrate understanding of the pathological processes and how these produce diseases.
- 2. Relate disease signs, symptoms and laboratory findings to their underlying pathology.
- Use knowledge of genetic inheritance, environment, lifestyle choices and other identified risk factors to disease development and progression to identify patient education needs.
- 4. Evaluate for the presence and effects of compensatory mechanisms in response to major pathological alterations.

- Apply knowledge of variables affecting the healing process in primary tissues an organ system to management of common diseases and injuries.
- 6. Employ select nursing and biomedical research studies in the application of pathophysiological principles to nursing practice.
- 7. Apply critical thinking process to the use of pathophysiologic principles as a basis for nursing practice.

Clinical Objectives:

- 1. Demonstrate understanding of the pathological processes and how these produce disease (AACN VII, IX).
- 2. Relate disease signs, symptoms and laboratory findings to their underlying findings to their underlying pathology (AACN VII, IX).
- 3. Use knowledge of genetic inheritance, environment, lifestyle choices and other identified risk factors to disease development and progression to identify patient education (AACN III, VII, IX).
- 4. Evaluate for the presence and effects of compensatory mechanisms in response to major pathological alterations (AACN VII).
- Apply knowledge of variables affecting the healing process in primary tissues and organ systems to management of common diseases and injuries (AACN VII, IX).

Textbooks:

American Psychological Association. (2019). *Publication manual of the American Psychological Association* (7th ed.). American Psychological Association. [ISBN: 9781433832161]

VanMeter, K.C. & Hubert, R. J. (2023) Gould's pathophysiology for the health profession (7th ed.), St. Louis, MO: Elsevier. [ISBN: 978-0323792882]

Student Handbook:

Refer to: Student Handbook

Communication with the Instructor:

Communication will be through the student's Midwestern State University email account. An email account is created for every MSU student. If you have not accessed this account yet, please do so by logging into the Portal and clicking the student email account icon located in the Portal. You have the option to have any messages sent here to be forwarded to the email account of your choice.

The instructor will respond or at least acknowledge email messages from students within a maximum of five (5) business days when MSU is in session. Beyond standard

university holidays and breaks, the instructor will notify students of any extended periods of time when email contact is not practical (professional meetings, etc.).

*When emailing the instructor, please include your full name, course, and section number, and a thorough explanation in your message. This will help expedite your request or needs.

Class Meeting Date and Time:

Since this is an online course, there are no mandatory face-to-face sessions. However, the student should be vigilant in logging into D2L. Regular checks will ensure messages from the instructor are received in a timely manner. This course is on a schedule that will be strictly adhered to. See the Course Schedule at the end of this syllabus for specific information about activities and due dates.

Methodology/Teaching Strategies:

Independent reading assignments, discussion boards, and writing assignments.

Evaluation Method:

Discussion Boards 50%
Essay Exams 50%
Total Points 100%

Grading Scale:

All programs consider a grade of 70 a 'C' for this class

Grade	Range
Α	90-100
В	80-89
С	74-79
D	65-73
F	64 or less

Important Dates

Last Day to drop with a grade of "W:" November 24th, 2025.

Refer to: <u>Drops, Withdrawals & Void</u>

In an emergency or extenuating circumstance, a student may request a grade of "Incomplete" in a course before grades are submitted. If the instructor grants the "Incomplete," the student has until thirty (30) days after the beginning of the next long semester to complete the course requirements. If the student does not complete the course requirements within the deadline, the grade of "Incomplete" will automatically convert into a grade of "F."

Activities and Assignments:

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If students have technical difficulties, they should use the "Help" link on D2L, contact the MSU Information Systems Support Staff, and send an email to the professor explaining what happened. Waiting until the last minute to ask for help or reporting incidents AFTER a due date or an exam expires may result in a grade of zero, even if it was a failure of D2L.

- All work submitted to the instructor will be considered complete and final, and will be graded as such.
- All assignments must be written at the baccalaureate level and will be graded for accuracy, completeness, quality, spelling, grammar, and integrity.
- Because of the nature of the assignments, late submissions will not be accepted. It is the expectation of the faculty that you complete work on time.
- Rubrics are available for all written assignments and can (and should) be viewed by the students prior to submitting any work.

Assignments vary in each module and each assignment has its own rubric for completion and grading. Written work is to be completed and submitted electronically in the appropriate assignment (drop box) on D2L and submitted by 10:59 pm Central Standard Time on due date. A course average of at least 74% is required to pass this course. No rounding of final grades per the WSON handbook. Faculty reserves the right to make changes at any time to this syllabus. Students are to be accountable for all communications sent by faculty on Desire 2 Learn; therefore, you must check the site for announcements, assignments, and messages. Direct e-mails from your MSU e-mail account to the provided instructor e-mail is the preferred method of communication to ensure timely responses. Virtual and phone appointments are available upon request.

Discussion Boards:

You must post a substantive response to each of the required questions. A substantive response is constructive and adds value to the weekly discussions. Substantive responses should be at least 150 words in length. Your responses need to reflect critical thought and demonstrate an understanding of the relevant concepts. All factual knowledge must be supported with appropriate APA citation of source. Response to the discussion board questions must be posted by 10:59 PM Central Standard Time on or before the due date on the Discussion Board section in the appropriate Discussion Question thread as stated in the course outline. Discussion responses (initial) posted more than 2 days late and or in the wrong thread will not be accepted. Peer response post will not be accepted late. Late initial postings will receive a 10 point deduction for each day late and will not be accepted if posted more than 2 days late. It is the responsibility of the student to post the assignment on the correct thread by 10:59 PM Central Standard Time on or prior to the due date. Participation in the classroom discussion is required. In addition to posting your responses to the discussion questions you must post a substantive comment to at least two of your

classmate's posts. This post may be made anytime during the week but must be made prior to the close of the week before the due date and time. Each peer response must have at least one accompanying APA citation. Peer Posts made after the due date and time of the week will not be accepted for credit.

Late Work:

Assignments more than two days late will not be accepted. Assignments submitted late which are within two days of the due date will receive a ten-point deduction for each day they are late.

Desire-to-Learn (D2L):

Extensive use of the MSU D2L program is a part of this course. Each student is expected to be familiar with this program as it provides a primary source of communication regarding assignments, examination materials, and general course information. You can log into D2L through the MSU Homepage. If you experience difficulties, please contact the technicians listed for the program or contact your instructor.

Online Computer Requirements:

Taking an online class requires you to have access to a computer (with Internet access) to complete and upload your assignments. It is your responsibility to have (or have access to) a working computer in this class. Assignments and tests are due by the due date, and personal computer technical difficulties will not be considered reason for the instructor to allow students extra time to submit assignments, tests, or discussion postings. Computers are available on campus in various areas of the buildings as well as the Academic Success Center. Your computer being down is not an excuse for missing a deadline!! There are many places to access your class! Our online classes can be accessed from any computer in the world which is connected to the internet. Contact your instructor immediately upon having computer trouble If you have technical difficulties in the course, there is also a student helpdesk available to you. The college cannot work directly on student computers due to both liability and resource limitations however they are able to help you get connected to our online services. For help, log into D2L.

Instructor Class Policies

Instructor Drop. An instructor may drop a student any time during the semester for excessive absences, for consistently failing to meet class assignments, for an indifferent attitude or for lack of engagement in the online learning environment. For example, failure to participate in online discussions as schedule and on time is considered being absent. Prior to dropping a student from the class, the instructor must give the student a verbal or written warning. An instructor's drop of a student takes precedence over the student-initiated course drop at a later date. The instructor will assign a grade of WF or F the 6th week of a 10 week summer term. After this time, the grade will be an F. The

date the Office of the Registrar receives the instructor drop form is the official drop date. If a student does not maintain enrollment for one long semester they will be placed on inactive status. If a student were to withdraw for a second time from the same and or any nursing course and or received a second D or F in the same and or any nursing course, even if the student has repeated a course and received a grade of C or above the student will be dismissed from the program. All submissions earning a Turn-it In Similarity score above 20% will receive a 30-point deduction. Students may submit assignments as many times as needed before the due/date and time to review and revise as needed to earn a Turn-it In Similarity score at or less than 20%. Only the last submission before the due date and time will be graded.

Change of Schedule

A student dropping a course (but not withdrawing from the University) within the first 12 class days of a regular semester or the first four class days of a summer semester is eligible for a 100% refund of applicable tuition and fees. Dates are published in the Schedule of Classes each semester.

Refund and Repayment Policy

A student who withdraws or is administratively withdrawn from Midwestern State University (MSU) may be eligible to receive a refund for all or a portion of the tuition, fees and room/board charges that were paid to MSU for the semester. HOWEVER, if the student received financial aid (federal/state/institutional grants, loans and/or scholarships), all or a portion of the refund may be returned to the financial aid programs. As described below, two formulas (federal and state) exists in determining the amount of the refund. (Examples of each refund calculation will be made available upon request).

Disability Support Services:

Midwestern State University is committed to providing equal access for qualified students with disabilities to all university courses and programs, and by law all students with disabilities are guaranteed a learning environment that provides reasonable accommodation of their disability. This guarantee is provided through Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act. The ADA reads: "No qualified individual with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of a public entity, or be subject to discrimination by any such entity." The Director of Disability Support Services serves as the ADA Coordinator and may be contacted at (940) 397.4140, TDD (940) 397.4515, or 3410 Taft Blvd., Clark Student Center 168.

College Policies:

Campus Carry Rules/Policies

Refer to: Campus Carry Rules and Policies

Smoking/Tobacco Policy

Refer to: Smoking and Tobacco Policy

Alcohol and Drug Policy

Refer to: Alcohol and Drug Policy

Disability Support Services

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Academic Misconduct Policy & Procedures/Honesty/Honor System:

This course adheres to the MSU Code of Conduct. Academic dishonesty, however small, creates a breach in academic integrity. A student's participation in this course comes with the expectation that his/her work will be completed in full observance of the MSU Code of Student Conduct. A student should consult the Student Handbook for answers to any questions about the code.

The components of this course are designed to represent the efforts of each student individually and are NOT to be shared. Submitting someone else's work as your own or improperly cited work constitutes plagiarism. Please see the Midwestern State University Catalog for further discussion of plagiarism. Plagiarism will constitute in an F for the course and the student will be referred to administration for further action. When students submit their efforts for grading, they are attesting they abided by this rule.

Cheating includes, but is not limited to: (1) use of any unauthorized assistance in taking quizzes, tests, or examinations; (2) dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or completing other assignments; or (3) the acquisition of tests or other academic materials belonging to the university faculty or staff without permission.

Plagiarism includes, but is not limited to: the use of, by paraphrase or direct quotation without correct citation in the text and on the reference list, the published or unpublished works of another person. Students may not submit papers and assignments that they have previously submitted for this or other courses. The use of materials generated by agencies engaged in "selling" term

papers is also plagiarism. Students are encouraged to review the tutorials and suggested websites for more information about plagiarism.

By enrolling in this course, the student expressly grants MSU a limited right in all intellectual property created by the student for the purpose of this course. The limited right shall include but shall not be limited to the right to reproduce the students' work product in order to verify originality and authenticity, and for educational purposes.

Administrative Process:

Unresolved issues related to this course should be first addressed between the student and the course instructor. If there is no resolution, students must follow this sequence:

- 1. Nursing Department Chair Dr. Robin Lockhart (940-397-4614)
- 2. College Dean Dr. Jeff Killion (940-397-4594)
- 3. Dean of Students Matthew Park (940-397-7500)

Grade Appeal Process

Individual course grades are not allowed to be appealed. Students who wish to appeal a Final overall course grade should consult the Midwestern State University Undergraduate Catalog.

*Notice: Changes in the course syllabus, procedure, assignments, and schedule may be made at the discretion of the instructor.

Course Schedule

Week	Activities/Assignments/Exams	Due Date (all times are in
		Central Standard Time (CST))
Week 1	Introduction to Pathophysiology	Introduction Post
Course Orientation, Introductions on Discussion Board, Introduction to pathophysiology, Fluid, electrolyte, Acid- base imbalance, and Pain	What is pathophysiology and why study it? Introduction to cellular changes: Fluid, Electrolyte, and Acid-Base Imbalances Fluid Imbalance Electrolyte Imbalances Acid-base Imbalance Treatment of Imbalances Pain Etiology and Sources of Pain Structures and Pain Pathways Characteristics of Pain Basic Classifications of Pain Pain Control Readings VanMeter & Hubert	and Week 1 Discussion post due by Friday 8/29 at 10:59 PM. The 2 peer response posts are due by Sunday 8/31 at 10:59 PM.
	Chapters 1, 2, and 4.	
Week 2 Defense/ Protective Mechanisms	Congenital and Genetic Disorders Review of Genetic Control Congenital Anomalies Genetic Disorders Developmental Disorders Diagnostic Tools Genetic Technology Down Syndrome Blood and Circulatory System Disorders Review of the Circulatory System and Blood Blood Dyscrasias Neoplastic Blood Disorders Lymphatic System Disorders Review of the Lymphatic System Lymphatic Disorders	Week 2 discussion post due by Friday 9/5 at 10:59 PM The 2 peer response posts are due by Sunday 9/7 at 10:59 PM

	Readings VanMeter & Hubert Chapter 10,11, and 21.	
	Websites	
	Human Genome Project Website	
Week 3	Immunity	Assignment
	Review of the Immune System	1
Immunity and	Troviow of the initiality dystem	(Exam I)
Immune	Tissue and Organ Transplant Rejection	due by '
Disorders	Hypersensitivity Reactions	Sunday 9/14
	Autoimmune Disorders	at 10:59
	Immunodeficiency	PM.
	inimano dencione)	
	Readings	
	VanMeter & Hubert Chapter 7.	
Week 4	Inflammation and Healing	Week 4
	 Review of Body Defenses 	discussion
Inflammation,	 Review of Normal Capillary 	post
Inflammatory		due by
Disorders, and	Exchange	Friday 9/19
Skin Disorders	Physiology of Inflammation	at
	Acute Inflammation	10:59 PM
	Chronic Inflammation Transfer and of Inflammatican	The Orece
	Treatment of Inflammation Healing	The 2 peer
	HealingExamples of Inflammation and	response posts
	Examples of inflation and	are due by
	Healing	Sunday 9/21
	Skin Disorders	at 10:59 PM
	Review of the Skin	G. 10100 1 III
	Skin Lesions	
	Inflammatory Disorders	
	Skin Infections	
	Skin Tumors	
	Skin Disorders	
	Bacterial Infections	
	Viral Infections	
	Fungal Infections Other Infections	
	Other Infections	
	Poadings	
	Readings VanMeter & Hubert Chapter 5 and 8.	
Week 5	Infection	Week 5
TIOON O	Review of Microbiology	discussion
Cardiovascular,	Principles of Infection	post
Respiratory, and	- Thiopide of fillocation	due by
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Eve and Ear	- Dhysiology of Infection	Eridov 0/26
Eye and Ear	Physiology of Infection The state of the state o	Friday 9/26
Diseases	Cardiovascular System Disorders	at
	Review of the Cardiovascular System	10:59 PM
	Heart Disorders	
	Vascular Disorders	The 2 peer
	Shock	response
		posts
	Respiratory System Disorders	are due by
	Review of Structures of the Respiratory System	Sunday 9/28
	General Manifestations of the	at 10:59 PM
	Respiratory Disease	
	Common Treatment	
	Measures for Respiratory	
	• Disorders	
	Infectious Diseases	
	Obstructive Lung Diseases	
	Chronic Obstructive Pulmonary Disease	
	Restrictive Lung Disorders	
	Vascular Disorders	
	Expansion Disorders	
	Expansion Bioordoro	
	Diseases of the Eye and Ear	
	Infections and Trauma	
	Ear Infections	
	Deadings	
	Readings	
	VanMeter & Hubert Chapters 6, 12,13, and 24.	
	Mahaita	
	Website	
144 1 0	CDC Infectious Disease	144 1 0
Week 6	Infection	Week 6
	Review of Microbiology	discussion
Reproductive,	Principles of Infection	Initial Post
Urinary, Eyes,	Physiology of Infection	due by
and Ears	Urinary System Disorders	Friday 10/3
	Urinary Tract Infections	at 10:59 PM
	Inflammatory Disorders	
	Reproductive System Disorders	2 peer posts
	 Inflammation and Infections 	are due by
	Inflammatory Disorders	Sunday 10/5
	Diseases of the Eye and Ear	at 10:59 PM
	(pages 390 to 398)	
	Infections and Trauma	
	Ear Infections	
	Readings	
· · · · · · · · · · · · · · · · · · ·		

	VanMeter & Hubert Chapter 6, 18, and 19	
Week 7	Neoplasms and Cancer Review of Normal Cells	Week 7
	Benign and Malignant Tumors	discussion
Malignancies	Malignant Tumors: Cancer	post
Manghanoloo	Examples of Malignant Tumors	due by
	DI I II I I I I	Friday 10/9
	· · · · · · · · · · · · · · · · · · ·	at
	Neoplastic Blood Disorders Neoplastic Blood Disorders	
	Lymphatic Disorders Lymphatic Disorders	10:59 PM
	Urinary System Disorders	
	Reproductive System Disorders	The
	Congenital Disorders	2 peer
	Acute Neurologic Disorders	responses
	Acute Neurologic Problems	due
	Vascular Disorders	by Sunday
	Infections	10/12 at
	Brain Injuries	10:59 PM
	Spinal Cord Injury	
	Skin Disorders	
	Skin Tumors	
	Benign Tumors	
	Malignant Tumors	
	• Manghant Fulliors	
	Doodings	
	Readings	
	VanMeter & Hubert	
	Chapter 20, 10, 18, 14, 8 and 19	
	Websites	
	MD Anderson	
	American Cancer Society	
Week 8	Complications of Aging	Assignment
	The Aging Process	2 (Exam 2)
Degenerative	Physiological Changes with Aging Other Factors	due
Disease and	Multiple Disorders	by Sunday
Disease related		10/19 at
to Aging,	Digestive System Disorders	10:59 PM
Digestive	Common Manifestations of Digestive System	
System	Disorder	
Disorders,	Basic Diagnostic Tests	
Chronic	 Common Therapies and Prevention 	
Neurologic	Upper Gastrointestinal Tract Disorders	
Disorders	Lower Gastrointestinal Tract Disorders Lower Gastrointestinal Tract Disorders	
DISOIGEIS	• Lower Gastronnesunal Hact Disorders	
	Chronic Neurologic Disorders	
	Olemania Danamanatina Diagnalana	
	Damantia	
	Mental Disorders	
l		

	Doodings	
	Readings Ch 24, 17, 14	
	CII 24, 17, 14	
	Website	
	Anderson, H.S. and Hoffmann, M. (2015).	
	Alzheimer's Disease. Retrieved from	
	http://emedicine.medscape.com/article/1134817-	
	<u>overview</u>	
Week 9	Immobility and Associated Problems Factors Involving Immobility	Week 9 discussion
Diseases	Musculoskeletal System Effects	post due by
Related to	Cutaneous Effects	Friday 10/24
Trauma,	Cardiovascular System Effects	at 10:59PM
Overuse or	Respiratory System Effects	
Immobility	Digestive System Effects	
	Urinary System Effects	2 peer posts
	 Neurological System Effects 	due by
	Effects of Immobility on	Sunday
	Children	10/26 at
	Musculoskeletal Disorders	10:59PM
	Review of the Musculoskeletal System	10.551 10
	Bone Disorders Piecedore of Manager Tandana and Linear and L	
	Disorders of Muscle, Tendons, and Ligaments	
	Joint Disorders	
	Readings VanMeter and Humbert Chapter 9, 14, and 25	
	Videos	
	Fracture Healing Part 1	
	Fracture Healing Part 2	
	Pulmonary Thrombosis and Embolism	
	Pressure Sores	
	Websites	
	Decubitus Ulcers	
Week 10	Substance Abuse and Associated	Week 10
	Problems	discussion
Chemical	Terminology	post due by
Imbalance and	Predisposing Factors	Friday 10/31
Disorders of	Environmental and Behavioral Risk Factors	at 10:59 PM
		at 10.03 FIVI
Regulation:	Indications and Recognition of Abuse	

Mental Health	 Potential Complications of Substance Abuse Treatment for Substance Abuse Nervous System Disorders Chronic Degenerative Disorders Dementia Mental Disorders Spinal Cord Disorders Readings VanMeter and Hubert Chapters 27 and 14 Video Types of Schizophrenia: A day in the life symptoms simulation Websites National Institute of Mental Health 	2 peer posts are due by Sunday 11/2 at 10:59 PM
Week 11	Stress and Associated Problems	Week 11
Stress	Review of the Stress ResponseStress and Disease	Assignment 3 (Exam 3)
	Readings VanMeter and Hubert Chapter 26	due by Sunday 11/9 at 10:59 PM
	Website http://www.mayoclinic.com/health/HealthyLivingindex	
Week 12	Endocrine System Disorders	Week 12
	Endocrine Disorders	discussion
Chemical	Insulin and Diabetes Mellitus	post due by
Imbalances and	Parathyroid Hormone and Calcium	Friday 11/14
Regulation: Endocrine	Calcium • Pituitary Hormone	at 10:59 PM
Imbalances Part	Thyroid Disorders	2 peer posts
1.	Adrenal Glands	are due by
		Sunday
	Readings	11/16 at
	VanMeter and Hubert Chapter 16	10:59 PM
	Website	
	American Diabetes Association	
Week 13	Cardiovascular Disorders	Week 13

Lifestyle and Disease	Heart Disorders Shock Readings VanMeter and Hubert Chapter 12 Videos What happens during a heart attack? What Is Heart Disease? Preventing Coronary Artery Disease	discussion post due by Friday 11/21 at 10:59 PM 2 peer posts due by Sunday 11/23 at 10:59 PM
	Websites Pathophysiology of Hypertension American Heart Association American Heart Association and American Stroke Association Stroke Guidelines National Stroke Association	
Week 14 Disease Interactions Part 1	Textbook Readings VanMeter and Hubert Chapter 12 and 16 Article Readings https://emedicine.medscape.com/article/162449-overview?form=fpf https://emedicine.medscape.com/article/1134817-	Week 14 Assignment 4 (Exam 4) due Sunday 11/30 at 10:59 PM
Week 15 A) Endocrine continued Part 2 B) Disease Interactions Part 2	Endocrine System Disorders Growth Hormone Antidiuretic Hormone (Vasopressin) Textbook Readings VanMeter and Hubert Chapter 16 Article Readings https://emedicine.medscape.com/article/162449-overview?form=fpf https://emedicine.medscape.com/article/1134817-overview	Week 15 Discussion post due by Friday 12/5 at 10:59 PM 2 peer posts due by Sunday 12/7 at 10:59 PM
Week 16	Use this time to reflect on the progress you have made this semester.	Week 16 Discussion post due Sunday 12/14 at 10:59 PM No peer

	responses
	due