

# HIM 290 Medical Terminology -Full Term

**NOTE: IN THE MINDTAP PROGRAM, THE CALENDAR IS SET UP BASED ON THE DUE DATE FOR THE ASSIGNMENT AND IS BASED ON CENTRAL STANDARD TIME. THE CALENDAR VIEW CAN BE SWITCHED BETWEEN ONLY SHOWING ACTIVITIES THAT COUNT TOWARD YOUR GRADE OR SHOWING ALL THE ACTIVITIES. YOU MUST USE THE OVERVIEW OPTION FOR ORIENTATION AND VIDEO LIBRARY. USE THE SCHEDULE IN THE SYLLABUS AS YOUR GUIDE FOR COMPLETING WORK.**

(Students are required to access their WKU email accounts for this course. For information on accessing your account- <https://www.wku.edu/its/accounts/email/>). All communication from the instructor will come to your [topper.wku.edu](mailto:topper.wku.edu) email account.

## Instructor:

Jan Hunt-Shepherd, MHA, RHIA, CCS, CDIP, CPHQ

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270-745-3548

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**Contact Information:** The best way to contact me is through email at [jan.hunt-shepherd@wku.edu](mailto:jan.hunt-shepherd@wku.edu). I will make every effort to respond within 24 hours Monday-Friday (8:00 AM – 5:00 PM CST).

## Credit Hours:

2 semester hours

## Course Description:

This course is designed to acquaint the student with the specialized language of medicine and to develop communication skills in areas where use of medical terms is necessary and appropriate.

**Required Content Subscription: SUBSCRIPTION WILL BE BILLED TO YOUR WKU ACCOUNT (unless you opt out of the Big Red Backpack Program).**

The MindTap Subscription is part of the Big Red Backpack Program: To enhance your learning experience and provide affordable access to the right course material, this course is part of the Big Red Backpack Program. You can easily access the required materials for this course in Blackboard. WKU will bill you for this course subscription. It is NOT recommended that you Opt-Out, as these materials are required to complete the course. You can choose to Opt-Out, BUT you will be responsible for purchasing your course materials at the full retail price and access to your materials via learning management system (Blackboard) may be suspended.

**YOU MUST STILL REGISTER FOR A CENGAGE MINDTAP ACCOUNT THROUGH BLACKBOARD COURSE HIM 290 BUT YOU WILL NOT PAY FOR A SUBSCRIPTION THROUGH THIS SITE. PURCHASE IS PART OF THE BIG RED BACKPACK PROGRAM unless you opt out of the Big Red Backpack Program.**

**MINDTAP SUBSCRIPTION (Included in the Big Red Backpack Program): Medical Terminology for Health Professions (free electronic textbook is provided in the online MindTap Subscription)**

**by Ann Ehrlich, Carol L. Schroeder, Laura Ehrlich, Katrina A. Schroeder**

**9th Edition | ISBN: 9780357513750.**

For Help with Registration VISIT: [START STRONG CENGAGE WEBPAGE](#)

Though not required, you may purchase one of the following:

Taber's Cyclopedic Medical Dictionary

Dorland's Illustrated Medical Dictionary

Stedman's Pocket Medical Dictionary

### **Course Format:**

This course is completely on-line using the Blackboard Learning Management System and Cengage MindTap; you are required to use a computer with Internet access and audio/microphone capability (speakers). For those of you who are new to Blackboard, if you would like information on using Blackboard click Tools in the Menu on the left of Blackboard.

### **MANDATORY DUE DATES/DEADLINES:**

**DEADLINES ARE MANDATORY. You can work ahead though. All work is available on the first day of class. DO NOT PROCRASTINATE. If you miss a deadline, the assignment will stay open for 14 days (Available only for chapters 1-13. There are no extensions for Chapter 14 or the Comprehensive Final Exam). Any work completed after the deadline but within the 14 days will automatically have a 10% reduction on the grade. After 14 days a grade of 0 will be automatically entered by computer once the date has passed. (A grade of 0 will automatically be entered at the due date time for chapter 14 and the final examination.)**

**See the schedule below for the deadlines. Mark them on a calendar or in your phone calendar. Please refer to the Blackboard course site for further information (blackboard.wku.edu). There will be no exceptions to these deadlines other than as stated above. A class schedule is included in this syllabus and through Blackboard. See the schedule below for additional information. **WORK AHEAD TO AVOID MISSING A DEADLINE/DUE DATE.****

**PLEASE DO NOT CONTACT ME BECAUSE YOU MISS A DEADLINE. IT IS YOUR RESPONSIBILITY TO KNOW AND MEET ALL DEADLINES.**

### **Examinations:**

There will be a test for each chapter (14 chapters), a mid-term examination (chapters 1-7, 75 Questions), and a comprehensive final examination (Chapters 1-14, 75 Questions). You will have only one attempt to

take each of these. The Chapter Tests have no time limit. The Mid-term Exam and Comprehensive Final Exam are set to 120 minutes to complete.

### Activities:

Read the introduction and the chapter then complete the mandatory assignments on MindTap. Each chapter contains "Practice" and "Counts Towards Grade" activities. "Counts Towards Grade" activities count toward your grade. "Practice" activities do not count toward your grade. Once completed, your grades will sync to the Blackboard Grade Book. **Make sure to open each folder and click on all down arrows in MindTap to view all activities.** The ones most often missed are under Pathology AND Diagnosis and Treatment. Open your Gradebook in MindTap BEFORE THE DUE DATE to make sure you have completed all the graded activities for each chapter.

### Grading Scale:

The following grading system will be used:

90% - 100%	A
80% - 89%	B
70% - 79%	C
60% - 69%	D
0% - 59%	F

### Graded Activities:

Assignments: "Apply It" activities (can be found under multiple sections in each chapter- note: you must complete the ones stated as "counts towards grade"); "Study It- Pronunciation Review" Word Part Reviews and Word Part Post-Tests after Chapter 2	Make sure to click on all down arrows to find all activities. The ones most often missed are under Pathology AND Diagnosis and Treatment. Open your Gradebook in MindTap BEFORE THE DUE DATE to make sure you have completed all the graded activities for each chapter.
Chapter Tests under "Study It"-	one attempt for each, no time set
Mid-term Exam and Final Exam (multiple choice)	One attempt for each, 75 questions each, 120 minutes to complete

To calculate your ongoing grade in the class, divide the points you receive by total possible points for what you have completed. This provides an average grade for what you have completed. You must

complete all activities. Any activities not completed will receive a grade of 0 in the final grade calculations.

### **Instructional Methods:**

Subscription content readings and lectures, assignments, student resource online activities and practice exercises at the end of each chapter.

### **Regular and Substantive Interaction in Online and Distance Learning:**

The U.S. Department of Education requires that distance education courses must include regular and substantive interaction between students and faculty. For more information about Regular and Substantive Interaction at WKU, please visit the [Regular and Substantive Interaction in Online and Distance Learning webpage](#).

In this course, regular and substantive interaction will take place in the following ways:

- Content specific introductory discussion will be provided on a weekly basis throughout the semester
- Instructor will provide timely response to questions
- Assignments and assessment deadlines are set throughout the semester (for more information, see class schedule below).

### **Objectives:**

At the conclusion of this course, the student should be able to meet the following competencies:

1. Analyze how medical terms are built using common word parts
2. Properly spell, define, and pronounce medical terms associated with each of the major body systems
3. Identify and define the word parts most frequently associated with the major body systems
4. Interpret common abbreviations used in medical terminology and cautions to remember when using them

### **Curricular Components:**

At the conclusion of this course, the student should be able to meet the following 2018 \*AHIMA Baccalaureate Degree Competencies at the indicated taxonomic level:

#### **•Supporting Body of Knowledge**

- Medical Terminology

\*American Health Information Management Association (ahima.org)

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In this course, regular and substantive interaction will take place in the following ways:

- Content specific announcements will be provided on a regular basis throughout the semester
- Instructor will provide timely response to questions
- Assignments and assessment deadlines are set throughout the semester (for more information, see class schedule below).

### **Title IX Sexual Misconduct/Assault:**

Western Kentucky University (WKU) is committed to supporting faculty, staff and students by upholding WKU's Title IX Sexual Misconduct/Assault Policy (#0.2070)

at <https://wku.edu/eoo/documents/titleix/wkutitleixpolicyandgrievanceprocedure.pdf> and

Discrimination and Harassment Policy (#0.2040)

at [https://wku.edu/policies/hr\\_policies/2040\\_discrimination\\_harassment\\_policy.pdf](https://wku.edu/policies/hr_policies/2040_discrimination_harassment_policy.pdf). Under these policies, discrimination, harassment and/or sexual misconduct based on sex/gender are prohibited. If you experience an incident of sex/gender-based discrimination, harassment and/or sexual misconduct, you are encouraged to report it to the Title IX Coordinator, Andrea Anderson, 270-745-5398 or Title IX Investigators, Michael Crowe, 270-745-5429 or Joshua Hayes, 270-745-5121. Please note that while you may report an incident of sex/gender based discrimination, harassment and/or sexual misconduct to a faculty member, WKU faculty are "Responsible Employees" of the University and MUST report what you share to WKU's Title IX Coordinator or Title IX Investigator. If you would like to speak with someone who may be able to afford you confidentiality, you may contact WKU's [Counseling and Testing Center](#) at 270-745-3159.

### **Disability Accommodations:**

"In compliance with University policy, students with disabilities who require academic and/or auxiliary accommodations for this course must contact the Student Accessibility Resource Center located in Downing Student Union, 1074. The phone number is [270.745.5004](tel:270.745.5004) ([270.745.5121](tel:270.745.5121) V/TDD) or email at [sarc@wku.edu](mailto:sarc@wku.edu). Please do not request accommodations directly from the professor or instructor without a letter of accommodation (LOA) from The Student Accessibility Resource Center.

Once disability services/accommodations have been granted and initiated, please contact me with any questions or concerns. Also, if you believe that you are not receiving the disability services to which you are entitled, please address this concern with me immediately so discussion and/or adjustments can occur.

### **WKU Syllabus COVID Statement:**

All students are strongly encouraged to [get the COVID-19 vaccine](#). In accordance with WKU policy, all students must call the WKU COVID-19 Assistance Line at 270-745-2019 within 4 hours of testing positive for COVID-19 or being identified as a close contact to someone who has tested positive. The COVID Assistance Line is available to answer questions regarding any COVID-19 related issue. This guidance is subject to change based on requirements set forth by federal, state, and local public health entities. Please refer to the Healthy on the Hill website for the most current information.

[www.wku.edu/healthyonthehill](http://www.wku.edu/healthyonthehill)

Revision: 7/2023

## CLASS SCHEDULE

**DEADLINES ARE MANDATORY. You can work ahead though. All work is available on the first day of class. DO NOT PROCRASTINATE. If you miss a deadline, the assignment will stay open for 14 days (Available only for Chapters 1-13. There is no extension for Chapter 14 or the Comprehensive Final Exam). Any work completed after the deadline but within the 14 days will automatically have a 10% reduction on the grade. After 14 days a grade of 0 will be automatically entered by computer once the date has passed. (A grade of 0 will automatically be entered at the due date time for chapter 14 and the final examination.)**

**NOTE: In Mindtap under the Calendar section, work only shows up based on the due date. You need to be working on assignment prior to the due date and week showing in MindTAP. DUE DATES BELOW ARE BASED ON CENTRAL STANDARD TIME. MINDTAP SEEMS TO ADJUST TO YOUR TIME ZONE SO DON'T LET THAT MESS YOU UP.**

<b><u>WEEK</u></b>	<b><u>TOPIC</u></b>	<b><u>ASSIGNMENT</u></b>
Week 1 Aug. 21	Chapter 1 Introduction to Medical Terminology	-Read syllabus and course Welcome and Orientation information on Blackboard. -Register for MindTap through the HIM 290 Blackboard Course. (note: cost is covered under the Big Red Backpack Program unless you opted out) <b>-In MindTap complete: "Get Started", "Course Orientation", and Complete Chapter 1 activities:</b> -Read or listen to chapter 1 of the online electronic book AND/OR Listen to Chapter 1 in the Video Library -Complete activities: Chapter Activities and Test <b>DUE DATE: Sunday, August 27th, by 8 PM CST</b>
Week 2 Aug. 28	Chapter 2-The Human Body in Health and Diseases	-Read or listen to chapter 2 of the online electronic book AND/OR Listen to Chapter 2 in the Video Library

<b><u>WEEK</u></b>	<b><u>TOPIC</u></b>	<b><u>ASSIGNMENT</u></b>
		-Complete activities: Chapter Activities and Test <b>DUE DATE: Sunday, September 3, by 8:00 PM CST</b>
Week 3 Sept. 4	Word Part Review and Post-Tests PLUS Chapter 3: The Skeletal System	-Complete Word Part Review and Post-Tests --Read or listen to chapter 3 of the online electronic book AND/OR Listen to Chapter 3 in the Video Library -Complete activities: Chapter Activities and Test <b>DUE DATE: Sunday, September 10, by 8:00 PM CST</b>
Week 4 Sept. 11	Chapter 4- The Muscular System	-Read or listen to chapter 4 of the online electronic book AND/OR Listen to Chapter 4 in the Video Library  -Complete activities: Chapter Activities and Test <b>DUE DATE: Sunday, September 17, by 8:00 PM CST</b>
Week 5 Sept. 18	Chapter 5- The Cardiovascular System	--Read or listen to chapter 5 of the online electronic book AND/OR Listen to Chapter 5 in the Video Library -Complete activities: Chapter Activities and Test <b>DUE DATE: Sunday, September 24, by 8:00 PM CST</b>
Week 6 Sept. 25	Chapter 6- The Lymphatic and Immune Systems	--Read or listen to chapter 6 of the online electronic book AND/OR Listen to Chapter 6 in the Video Library -Complete activities: Chapter Activities and Test <b>DUE DATE: Sunday, October 1, by 8:00 PM CST</b>



<b><u>WEEK</u></b>	<b><u>TOPIC</u></b>	<b><u>ASSIGNMENT</u></b>
Week 7 Oct. 2-3 Fall break Work Week 7 Oct. 4	Chapter 7- The Respiratory System	--Read or listen to chapter 7 of the online electronic book AND/OR Listen to Chapter 7 in the Video Library -Complete activities: Chapter Activities and Test <b>DUE DATE: Sunday, October 8, by 8:00 PM CST</b>
Week 8 Oct. 9	<b>MIDTERM EXAM</b>	<b>-MIDTERM EXAM</b> <b>DUE DATE: Sunday, October 15, by 8:00 PM CST</b>
Week 9 Oct. 16	Chapter 8- The Digestive System	--Read or listen to chapter 8 of the online electronic book AND/OR Listen to Chapter 8 in the Video Library -Complete activities: Chapter Activities and Test <b>DUE DATE: Sunday, October 22, by 8:00 PM CST</b>
Week 10 Oct. 23	Chapter 9- The Urinary System	--Read or listen to chapter 9 of the online electronic book AND/OR Listen to Chapter 9 in the Video Library -Complete activities: Chapter Activities and Test <b>DUE DATE: Sunday, October 29, by 8:00 PM CST</b>
Week 11 Oct. 30	Chapter 10- The Nervous System and Mental Health Chapter 11- Special Senses: The Eyes and Eyes	<b>NOTE TWO CHAPTERS DUE THIS WEEK</b> --Read or listen to chapters 10 and 11 of the online electronic book AND/OR Listen to Chapter 10 and 11 in the Video Library -Complete activities for chapters 10 and 11: Chapter Activities and Test <b>DUE DATE: Sunday, November 5, by 8:00 PM CST</b>

<b><u>WEEK</u></b>	<b><u>TOPIC</u></b>	<b><u>ASSIGNMENT</u></b>
Week 12 Nov. 6	Chapter 12- The Integumentary (Skin) System	--Read or listen to chapter 12 of the online electronic book AND/OR Listen to Chapter 12 in the Video Library -Complete activities: Chapter Activities and Test <b>DUE DATE: Sunday, November 12, by 8:00 PM CST</b>
Week 13 Nov. 13	Chapter 13- The Endocrine System	--Read or listen to chapter 13 of the online electronic book AND/OR Listen to Chapter 13 in the Video Library -Complete activities: Chapter Activities and Test <b>DUE DATE: Sunday, November 19, by 8:00 PM CST</b>
Week 14 Nov. 20	<b>Thanksgiving Week- No work</b>	
Week 15 Nov. 27	Chapter 14- The Reproductive System	-Read or listen to chapter 14 of the online electronic book AND/OR Listen to Chapter 14 in the Video Library -Complete activities: Chapter Activities and Test <b>DUE DATE Sunday, Dec. 3, by 8:00 PM CST</b>
Week 16 Finals Week Dec. 4		<b>Final Exam</b> <b>DUE DATE: WEDNESDAY DECEMBER 6, 8:00 PM CST</b>

## Course Content:

### Chapter 1:

1. Primary Medical Terms
2. Word Parts Are the Key
3. Word Roots
4. Suffixes
5. Prefixes
6. Determining Meanings on the Basis of Word Parts
7. Medical Dictionary Use
8. Pronunciation
9. Spelling Is Always Important
10. Singular and Plural Endings
11. Basic Medical Terms to Describe Diseases
12. Look-Alike, Sound-Alike Terms and Word Parts
13. Using Abbreviations

### Chapter 2:

1. Anatomic Reference Systems
2. Structures of the Body
3. Cells
4. Genetics
5. Tissues
6. Glands
7. Body Systems and Related Organs
8. Pathology
9. Aging and Death
10. Health Care Professionals
11. Abbreviations Related to the Human Body in Health and Disease

### Chapter 3:

1. Structures and Functions of the Skeletal System
2. The Structure of Bones
3. The Skeleton
4. Medical Specialties Related to the Skeletal System
5. Pathology of the Skeletal System
6. Diagnostic Procedures of the Skeletal System
7. Treatment Procedures of the Skeletal System
8. Abbreviations Related to the Skeletal System

### Chapter 4:

1. Functions of the Muscular System
2. Structures of the Muscular System
3. Types of Muscle Tissue
4. Muscle Contraction and Relaxation
5. Contrasting Muscle Motion
6. How Muscles Are Named
7. Select Muscles and Their Functions

8. Medical Specialties Related to the Muscular System
9. Pathology of the Muscular System
10. Diagnostic Procedures of the Muscular System
11. Treatment Procedures of the Muscular System
12. Abbreviations Related to the Muscular System

#### Chapter 5:

1. Functions of the Cardiovascular System
2. Structures of the Cardiovascular System
3. The Blood Vessels
4. Blood
5. Medical Specialties Related to the Cardiovascular System
6. Pathology of the Cardiovascular System
7. Diagnostic Procedures of the Cardiovascular System
8. Treatment Procedures of the Cardiovascular System
9. Abbreviations Related to the Cardiovascular System

#### Chapter 6:

1. Functions of the Lymphatic System
2. Structures of the Lymphatic System
3. Additional Structures of the Lymphatic System
4. Functions and Structures of the Immune System
5. Medical Specialties Related to the Lymphatic and Immune Systems
6. Pathology and Diagnostic Procedures of the Lymphatic System
7. Pathology and Diagnostic Procedures of the Immune System
8. Treatment of the Immune System
9. Pathogenic Organisms
10. Oncology
11. Cancer Treatments
12. Abbreviations Related to the Lymphatic and Immune Systems

#### Chapter 7:

1. Functions of the Respiratory System
2. Structures of the Respiratory System
3. Respiration
4. Medical Specialties Related to the Respiratory System
5. Pathology of the Respiratory System
6. Upper Respiratory Diseases
7. Diagnostic Procedures of the Respiratory System
8. Treatment Procedures of the Respiratory System
9. Abbreviations Related to the Respiratory System

#### Chapter 8:

1. Structures of the Digestive System
2. Digestion
3. Medical Specialties Related to the Digestive System
4. Pathology of the Digestive System
5. Diagnostic Procedures of the Digestive System

6. Treatment Procedures of the Digestive System
7. Abbreviations Related to the Digestive System

Chapter 9:

1. Functions of the Urinary System
2. Structures of the Urinary System
3. The Excretion of Urine
4. Medical Specialties Related to the Urinary System
5. Pathology of the Urinary System
6. Diagnostic Procedures of the Urinary System
7. Treatment Procedures of the Urinary System
8. Abbreviations Related to the Urinary System

Chapter 10:

1. Functions of the Nervous System
2. Structures of the Nervous System
3. The Central Nervous System
4. The Peripheral Nervous System
5. The Autonomic Nervous System
6. Medical Specialties Related to the Nervous System and Mental Health
7. Pathology of the Nervous System
8. Diagnostic Procedures of the Nervous System
9. Treatment Procedures of the Nervous System
10. Mental Health
11. Abbreviations Related to the Nervous System

Chapter 11:

1. Functions of the Eyes
2. Structures of the Eyes
3. Medical Specialties Related to the Eyes and Vision
4. Pathology of the Eyes and Vision
5. Diagnostic Procedures for Vision and the Eyes
6. Treatment Procedures of the Eyes and Vision
7. Functions of the Ears
8. Structures of the Ears
9. Medical Specialties Related to the Ears and Hearing
10. Pathology of the Ears and Hearing
11. Diagnostic Procedures of the Ears and Hearing
12. Treatment Procedures of the Ears and Hearing
13. Abbreviations Related to the Special Senses

Chapter 12:

1. Functions of the Integumentary System
2. The Structures of the Skin and Its Related Structures
3. Medical Specialties Related to the Integumentary System
4. Pathology of the Integumentary System
5. Diagnostic Procedures of the Integumentary System
6. Treatment Procedures of the Integumentary System

## 7. Abbreviations Related to the Integumentary System

### Chapter 13:

1. Functions of the Endocrine System
2. Structures of the Endocrine System
3. The Pituitary Gland
4. The Pineal Gland
5. The Thyroid Gland
6. The Parathyroid Glands
7. The Thymus
8. The Pancreas (Pancreatic Islets)
9. The Adrenal Glands
10. The Gonads
11. Medical Specialties Related to the Endocrine System
12. Pathology of the Endocrine System
13. Diagnostic Procedures Related to the Endocrine System
14. Treatment Procedures Related to the Endocrine System
15. Abbreviations Related to the Endocrine System

### Chapter 14:

1. Terms Related to the Reproductive Systems of Both Sexes
2. Functions of the Male Reproductive System
3. Structures of the Male Reproductive System
4. Medical Specialties Related to the Male Reproductive System
5. Pathology of the Male Reproductive System
6. Diagnostic Procedures of the Male Reproductive System
7. Treatment Procedures of the Male Reproductive System
8. Sexually Transmitted Diseases
9. Functions of the Female Reproductive System
10. Structures of the Female Reproductive System
11. Terms Related to Pregnancy and Childbirth
12. Medical Specialties Related to the Female Reproductive System and Childbirth
13. Pathology of the Female Reproductive System
14. Pathology of Pregnancy and Childbirth
15. Diagnostic Procedures of the Female Reproductive System
16. Treatment Procedures of the Female Reproductive System
17. Abbreviations Related to the Reproductive Systems

## Course Objectives:

### Chapter 1:

1. Identify the roles of the four types of word parts used in forming medical terms.
2. Use your knowledge of word parts to analyze unfamiliar medical terms.
3. Describe the steps in locating a term in a medical dictionary or online resource.
4. Define the commonly used word roots, combining forms, suffixes, and prefixes introduced in chapter.
5. Use the “sounds-like” pronunciation system and audio files to correctly pronounce the primary terms introduced in chapter.
6. Recognize the importance of spelling medical terms correctly.
7. State why caution is important when using abbreviations.
8. Recognize, define, spell, and correctly pronounce the primary terms introduced in chapter.

### Chapter 2:

1. Define anatomy and physiology and the uses of anatomic reference systems to identify the anatomic position plus body planes, directions, and cavities.
2. Recognize, define, spell and pronounce the primary terms related to cells and genetics.
3. Recognize, define, spell, and pronounce the primary terms related to the structure, function, pathology, and procedures of tissues and glands.
4. Identify the major organs and functions of the body systems.
5. Recognize, define, spell and pronounce the primary terms used to describe pathology, the modes of transmission, and the types of diseases.

### Chapter 3:

1. Identify and describe the major functions and structures of the skeletal system.
2. Describe three types of joints.
3. Differentiate between the axial and appendicular skeletons.
4. Identify the medical specialists who treat disorders of the skeletal system.
5. Recognize, define, spell, and pronounce the primary terms related to the pathology and the diagnostic and treatment procedures of the skeletal system.

### Chapter 4:

1. Describe the functions and structures of the muscular system, including muscle fibers, fascia, tendons, and the three types of muscle.
2. Recognize, define, pronounce, and spell the primary terms related to muscle movements, and explain how the muscles are named.
3. Recognize, define, pronounce, and spell the primary terms related to the pathology and the diagnostic and treatment procedures of the muscular system.

### Chapter 5:

1. Describe the heart in terms of chambers, valves, blood flow, heartbeat, and blood supply.

2. Differentiate among the three different types of blood vessels, and describe the major function of each.
3. Identify the major components of blood and the major functions of each component.
4. State the difference between the pulmonary and systemic circulation.
5. Recognize, define, spell, and pronounce the primary terms related to the pathology and the diagnostic and treatment procedures of the cardiovascular system.

#### Chapter 6:

1. Describe the major functions and structures of the lymphatic and immune systems.
2. Identify the medical specialists who treat disorders of the lymphatic and immune systems.
3. Recognize, define, spell, and pronounce the primary terms related to the structures, functions, pathology, and diagnostic and treatment procedures of the lymphatic and immune systems.
4. Recognize, define, spell, and pronounce the primary terms related to oncology. (Although cancer can attack any body system, oncology is covered in this chapter.)

#### Chapter 7:

1. Describe the major functions of the respiratory system.
2. Name and describe the structures of the respiratory system.
3. Recognize, define, spell, and pronounce the primary terms related to the pathology and the diagnostic and treatment procedures of the respiratory system.

#### Chapter 8:

1. Identify and describe the major structures and functions of the digestive system.
2. Describe the processes of digestion, absorption, and metabolism.
3. Recognize, define, spell, and pronounce the primary terms related to the pathology and the diagnostic and treatment procedures of the digestive system.

#### Chapter 9:

1. Identify and describe the major functions and structures of the urinary system.
2. Identify the medical specialists who treat disorders of the urinary system.
3. Recognize, define, spell, and pronounce the primary terms related to the pathology and the diagnostic and treatment procedures of the urinary system.

#### Chapter 10:

1. Describe the functions and structures of the nervous system.
2. Identify the major divisions of the nervous system, and describe the structures of each by location and function.
3. Identify the medical specialists who treat disorders of the nervous system.
4. Recognize, define, spell, and pronounce the primary terms related to the pathology and the diagnostic and treatment procedures of the nervous system.
5. Recognize, define, spell, and pronounce the primary terms related to the pathology and the diagnostic and treatment procedures of mental health disorders.



#### Chapter 11:

1. Describe the functions and structures of the eyes and their accessory structures.
2. Recognize, define, spell, and pronounce the primary terms related to the structures and function, pathology, and diagnostic and treatment procedures of the eyes and vision.
3. Describe the functions and structures of the ears.
4. Recognize, define, spell, and pronounce the primary terms related to the structures and function, pathology, and diagnostic and treatment procedures of the ears and hearing.

#### Chapter 12:

1. Identify and describe the functions and structures of the integumentary system.
2. Identify the medical specialists associated with the integumentary system.
3. Recognize, define, spell, and pronounce the primary terms related to the structures and function, pathology, and diagnostic and treatment procedures of the skin.
4. Recognize, define, spell, and pronounce the primary terms related to the structures and function, pathology, and diagnostic and treatment procedures of hair, nails, and sebaceous glands.

#### Chapter 13:

1. Describe the role of the endocrine glands in maintaining homeostasis.
2. Name and describe the functions of the primary hormones secreted by each of the endocrine glands.
3. Recognize, define, spell, and pronounce the primary terms relating to the pathology and the diagnostic and treatment procedures of the endocrine glands.

#### Chapter 14:

1. Identify and describe the major functions and structures of the male reproductive system.
2. Recognize, define, spell, and pronounce the primary terms related to the pathology and the diagnostic and treatment procedures of the male reproductive system.
3. Name at least six sexually transmitted diseases.
4. Identify and describe the major functions and structures of the female reproductive system.
5. Recognize, define, spell, and pronounce the primary terms related to the pathology and the diagnostic and treatment procedures of the female reproductive system and a woman during pregnancy, childbirth, and the postpartum period.