

Medical Terminology

Course Text

- Thierer, Nina; Breitbard, Lisa. Medical Terminology: Language for Health Care, 3rd edition. McGraw-Hill, 2010. ISBN: 9780077302344 [This text is available as an etextbook at purchase or students may find used, new, or rental copies at [this link](#)]

Course Description

This course introduces elements of medical terminology, such as the etymology of words used to describe the human body. Students learn to apply proper terminology and spelling for major pathological conditions. This course identifies and explains the terms used for the integumentary, respiratory, nervous, reproductive, endocrine, urinary, digestive, lymphatic, hematic, immune, and musculoskeletal systems. It compares and contrasts the different body systems. Students define and describe the function of each system of the body.

Course Objectives

After completing this course, students will be able to:

- Identify and explain the word parts used to construct medical terms.
- Summarize HIPAA and Allied Health Professions.
- Identify and differentiate cells, tissues, organs, systems, and cavities, and explain their importance to the human body.
- Apply proper terminology and spelling for the major pathological conditions of the body.
- Identify and explain the terms used for the integumentary system.
- Identify and explain the terms used for the respiratory system.
- Identify and explain the terms used for the nervous system.
- Identify and explain the terms used for the reproductive systems.
- Identify and explain the terms used for the endocrine system.
- Identify and explain the terms used for the urinary system.
- Identify and explain the terms used for the digestive system.
- Identify and explain the terms used for the lymphatic, hematic, and immune systems.
- Identify and explain the terms used for the musculoskeletal system.
- Compare and contrast the body systems.
- Define and describe the function of each system of the body.

Course Prerequisites

There are no prerequisites for this course.

Important Terms

In this course, different terms are used to designate tasks:

- Proctoring: all final exams require proctoring which can be completed conveniently

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- from your home. A webcam is required.
- Tutoring: memberships include online tutoring for students to access with any content/subject related questions in the place of faculty. If your tutor is not able to answer your questions please contact a student advisor.
- Practice Exercise: A non-graded assignment to assist you in practicing the skills discussed in a topic.
- Homework: Non-graded practice quizzes which provide feedback to student.
- Exam: A graded online test.

Course Evaluation Criteria

StraighterLine provides a percentage score and letter grade for each course. See [Academic Questions](#) section in FAQ for further details on percentage scores and grading scale. A passing percentage is **70%** or higher.

If you have chosen a Partner College to award credit for this course, your final grade will be based upon that college's grading scale. Only passing scores will be considered by Partner Colleges for an award of credit.

There are a total of 1000 points in the course.

Topic	Assessment	Points Available
3	Graded Exam #1	125
7	Graded Exam #2	125
7	Graded Midterm Exam	200
10	Graded Exam #3	125
14	Graded Exam #4	125
15	Graded Final Exam	300
Total		1000

Course Topics and Objectives

Topic	Title	Subtopics	Objectives
1	Learning Medical Terminology	<ul style="list-style-type: none"> • History • Forming Medical Words • Prefixes • Suffixes 	<ul style="list-style-type: none"> • Outline the origins and history of medical words. • Describe the word parts used to construct medical terms.

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		<ul style="list-style-type: none"> • Legal and Ethical Issues 	<ul style="list-style-type: none"> • Demonstrate how terms are made plural. • Recognize and define the prefixes used in medical terminology. • Recognize and define the suffixes used in medical terminology. • Summarize HIPAA and Allied Health Professions.
2	The Body as a Whole	<ul style="list-style-type: none"> • Body Structure and Organization • Directional Terms, Planes, and Regions • Terminology Presentation • Terminology Application 	<ul style="list-style-type: none"> • Identify and differentiate cells, tissues, organs, systems, and cavities, and explain their importance to the human body. • Diagram and label the directional terms, planes, and the major regions of the body. • Label on a diagram the planes and directional terms of the body. • Recognize and define the medical terms related to the elements of the body. • Define word parts related to body systems.
3	The Integumentary System	<ul style="list-style-type: none"> • Structure and Function • Diagnostic, Procedural, Pathological, Surgical and Lab Terms • Terminology Presentation • Terminology Application • Symptoms, Abnormalities, and Conditions • Pharmacological Terms and Agents 	<ul style="list-style-type: none"> • Diagram and label the three layers of the skin. • Describe each gland of the skin and the secretion of each. • Define the terms for skin, hair, and nails. • List proper terminology and spelling for the major pathological conditions of the integumentary system. • Summarize the surgical terms for the skin, hair, and nails.
4	The Musculoskeletal System	<ul style="list-style-type: none"> • Structure and Function • Diagnostic, Procedural, 	<ul style="list-style-type: none"> • Identify and describe the parts of the musculoskeletal system. • Organize the bones by

		<p>Pathological, Surgical and Lab Terms</p> <ul style="list-style-type: none"> • Terminology Presentation • Terminology Application • Symptoms, Abnormalities, and Conditions • Pharmacological Terms and Agents 	<p>their location in the axial and appendicular skeleton.</p> <ul style="list-style-type: none"> • Recognize and define terms for body movement pertaining to the bones, joints, and muscles. • Classify the terms related to the musculoskeletal system. • Identify and explain the terms related to the muscles. • Discuss terms related to diagnosis, clinical procedures of abnormalities, and conditions of the musculoskeletal system.
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5	The Cardiovascular System	<ul style="list-style-type: none"> • Structure and Function • Diagnostic, Procedural, Pathological, Surgical and Lab Terms • Terminology Presentation • Terminology Application • Symptoms, Abnormalities, and Conditions • Pharmacological Terms and Agents 	<ul style="list-style-type: none"> • Diagram and label each part of the cardiovascular system. • Describe and discuss coronary, pulmonary, systemic, and fetal circulation as vessels of the cardiovascular system. • Define the terms for each part of the cardiovascular system. • Describe the relationship between blood pressure and the circulatory system. • Identify and list the definitions of each surgical term related to the cardiovascular system. • Explain the significance and use of the medications for cardiovascular system disorders and treatments.
6	The Respiratory System	<ul style="list-style-type: none"> • Structure and Function 	<ul style="list-style-type: none"> • Locate and label the respiratory system and its

		<ul style="list-style-type: none"> • Diagnostic, Procedural, Pathological, Surgical and Lab Terms • Terminology Presentation • Terminology Application • Symptoms, Abnormalities, and Conditions • Pharmacological Terms and Agents 	<p>parts.</p> <ul style="list-style-type: none"> • Explain the terms related to the upper and lower tracts of the respiratory system. • Identify the terms applying to the larynx, trachea, and bronchi. • Recognize and list the terms related to lungs, chest, and breathing. • Interpret terms related to diagnosis and clinical procedures of the respiratory system. • List and describe the common pharmacological agents for treating respiratory system disorders. • Recognize and define the terms for the surgical procedures and repairs.
7	The Nervous System	<ul style="list-style-type: none"> • Structure and Function • Diagnostic, Procedural, Pathological, Surgical and Lab Terms • Terminology Presentation • Terminology Application • Symptoms, Abnormalities, and Conditions • Pharmacological Terms and Agents 	<ul style="list-style-type: none"> • Diagram and label the parts of the brain. • Explain and define the parts and importance of the central nervous subsystem. • Compare and contrast the two peripheral nervous systems. • Recognize and define the terminology for the nervous system. • Identify diseases and disorders of the nervous system. • List and describe terms used for the various tests given to detect malformations, disorders, or abnormalities of the nervous system. • List and define the procedural and repair terms of the nervous system. • Describe the function of

			the pharmacological treatments related to the nervous system.
8	The Urinary System	<ul style="list-style-type: none"> • Structure and Function • Diagnostic, Procedural, Pathological, Surgical and Lab Terms • Terminology Presentation • Terminology Application • Symptoms, Abnormalities, and Conditions • Pharmacological Terms and Agents 	<ul style="list-style-type: none"> • Discuss and label the parts of the urinary system. • Explain how the urinary system operates. • List and define the medical terms associated with the parts of the urinary system. • Define the terms related to the diagnosis and clinical procedures of the urinary system. • Explain the terms for each major pathological condition associated with the urinary system. • List and define the surgical procedures and repair terms to the urinary system.
9	Systems of The Female Reproductive System	<ul style="list-style-type: none"> • Structure and Function • Diagnostic, Procedural, Pathological, Surgical and Lab Terms • Terminology Presentation • Terminology Application • Symptoms, Abnormalities, and Conditions • Pharmacological Terms and Agents 	<ul style="list-style-type: none"> • Diagram and label each part of the female reproductive system. • List and define the root/combining forms for the terms related to the female reproductive system. • Identify and discuss the terms related to menstruation, dictating female gender, pregnancy, and birth. • Explain the terms for possible abnormalities, complications, or infections of the reproductive system. • Recognize and define the surgical terms for procedures and repairs to the female reproductive system.
10	The Male	<ul style="list-style-type: none"> • Structure and 	<ul style="list-style-type: none"> • Diagram and label each

	Reproductive System	<p>Function</p> <ul style="list-style-type: none"> • Diagnostic, Procedural, Pathological, Surgical and Lab Terms • Terminology Presentation • Terminology Application • Symptoms, Abnormalities, and Conditions • Pharmacological Terms and Agents 	<p>part of the male reproductive system.</p> <ul style="list-style-type: none"> • List and define the root/combining forms for the terms related to the male reproductive system. • Explain the terms for possible abnormalities, complications, or infections of the reproductive system. • Recognize and define the terms for the male reproductive disorders and treatments. • Recognize and define the terms and treatments for infertility and erectile dysfunction. • Recognize and define the terms for procedures and repairs to the male reproductive system.
11	The Lymphatic, Hematic, and Immune Systems	<ul style="list-style-type: none"> • Structure and Function • Diagnostic, Procedural, Pathological, Surgical and Lab Terms • Terminology Presentation • Terminology Application • Symptoms, Abnormalities, and Conditions • Pharmacological Terms and Agents 	<ul style="list-style-type: none"> • Report and employ terms used to reference pathological conditions of the blood. • Define the terms related to the diagnosis and clinical procedures of the blood system. • Explain the six functions of the lymphatic system. • Explain how the immune system operates. • List and define the surgical procedures and repair terms of the lymphatic, hematic, and immune systems. • Recognize and define the terms specific to antibiotics, antihistamines, and anticoagulants used for the lymphatic, hematic, and immune system.
12	The Digestive	<ul style="list-style-type: none"> • Structure and 	<ul style="list-style-type: none"> • Diagram and label the

	System	<p>Function</p> <ul style="list-style-type: none"> • Diagnostic, Procedural, Pathological, Surgical and Lab Terms • Terminology Presentation • Terminology Application • Symptoms, Abnormalities, and Conditions • Pharmacological Terms and Agents 	<p>digestive system parts.</p> <ul style="list-style-type: none"> • Explain the process of digestion. • Define the terms related to the mouth, throat, tongue, and esophagus. • Diagram and label the parts of the oral cavity (mouth). • Identify and explain the parts of the stomach and small intestine. • List proper terminology and spelling for the parts of the digestive system. • Diagram and label the parts of the large intestine, including the anus. • Define the terms related to the diagnosis and clinical procedures of the digestive system. • List and describe the purpose of the medications associated with digestive system orders and treatments. • List and summarize eating disorders and disorders of the stomach, liver, pancreas, and gallbladder. • List and define the surgical terms and procedures of the digestive system.
13	The Endocrine System	<ul style="list-style-type: none"> • Structure and Function • Diagnostic, Procedural, Pathological, Surgical and Lab Terms • Terminology Presentation • Terminology Application • Symptoms, Abnormalities, and 	<ul style="list-style-type: none"> • Diagram and label the parts of the endocrine system. • Explain the function of each gland in the endocrine system. • List and describe the function or purpose of the hormone produced by each gland. • List proper terminology and spelling for the root/combining forms of

		<p>Conditions</p> <ul style="list-style-type: none"> • Pharmacological Terms and Agents 	<p>the terms for the endocrine system.</p> <ul style="list-style-type: none"> • Recognize and define the terms for the pathological conditions of the endocrine system. • Compare and contrast the drug class terms for treating disorders of the endocrine system.
14	The Sensory System	<ul style="list-style-type: none"> • Structure and Function • Diagnostic, Procedural, Pathological, Surgical and Lab Terms • Terminology Presentation • Terminology Application • Symptoms, Abnormalities, and Conditions • Pharmacological Terms and Agents • Surgical Terms and Procedures of the Eyes 	<ul style="list-style-type: none"> • Diagram and label the parts of the eye. • Recognize and define the terms for the eye. • List terms related to the ear and hearing. • List proper terminology and spelling for the sensory system. • List and define disorders that affect eyesight and hearing. • Select the appropriate drug class term associated with treating disorders of the sensory system and describe the drug's purpose.
15	Course Review	<ul style="list-style-type: none"> • Review 	<ul style="list-style-type: none"> • Review of the course topics.