

HSC 2531

Introduction to Medical Language

Course Description

HSC 2531 Introduction to Medical Language

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This course is designed to help develop comprehensive, integrative skills in using and understanding medical terminology used in clinical settings and in medical literature. Included in the course work are prefixes, suffixes, roots and combining forms. Emphasis is on pronunciation, spelling and the definition of words as they relate to basic anatomy and physiology. Terms for diagnostic procedures, pathology and treatment procedures for each body system, as well as complementary words, are included.

This is primarily a memorization class; so much of the time spent in this course is done independent of class time. Weekly exams are given, so attendance is important because memory techniques, drills and extra credit opportunities are available to enhance student success.

Required pre-requisites: Prep reading and Prep writing or above

Suggested pre-requisites: ENC1101

Rationale

This course helps support the college mission of providing the highest quality post-secondary education, leading to an Associate of Science degree in a wide range of health science programs, to Baccalaureate degrees in programs such as nursing, and further to Master's degrees in programs such as Occupational and Physical Therapy. Ultimately, this course will help students develop the medical vocabulary needed for documenting medical information, for understanding medical literature including case reports, and for identifying both the structure and function of a wide range of body systems.

Impact Assessment

Success in this course is highly dependent on the ability to read and write in English. Because this is primarily a memorization course, students must be able to dedicate time outside of class for memorization. Class time is intended to introduce new terms; to reinforce the understanding and memorization of terms, and to explain and encourage the understanding of the structure and function of anatomy.

Successful completion of this course will prepare students for courses such as anatomy and physiology and other health science course that require an understanding of medical language.

Course Objectives and Outline

Chapter Objectives:

Chapter 1: Introduction to Word Parts

1. Describe four origins of medical language
2. Identify and define the four word parts and the combining form

3. Analyze and define medical terms
4. Build medical terms for given definitions

Chapter 2: Body Structure, Color, and Oncology

1. Identify anatomic structures of the human body
2. Define and spell word parts related to body structure, color, and oncology
3. Define, pronounce, and spell disease and disorder oncology terms
4. Define, pronounce, and spell body structure terms.
5. Define, pronounce, and spell complementary terms related to body structure, color and oncology.
6. Interpret, read, and comprehend medical language in simulated medical statements and documents.

Chapter 3: Directional Terms, Anatomic Planes, Regions, and Quadrants

1. Define and spell words parts related to directional terms.
2. Define, pronounce, and spell terms used to describe directions with respect to the body.
3. Define, pronounce, and spell terms used to describe the anatomic planes.
4. Define, pronounce, and spell terms used to describe the abdominopelvic regions.
5. Identify and spell the four abdominopelvic quadrants.
6. Interpret the meaning of abbreviations presented in this chapter.
7. Interpret, read, and comprehend medical language in simulated medical statements and documents.

Chapter 4: Integumentary System

1. Identify organs and structures of the integumentary system
2. Define and spell word parts related to the integumentary system
3. Define, pronounce, and spell disease and disorder terms related to the integumentary system
4. Define, pronounce, and spell surgical terms related to the integumentary system.
5. Define, pronounce, and spell complementary terms related to the integumentary system.
6. Interpret, read, and comprehend medical language in simulated medical statements and documents.

Chapter 5: Respiratory System

1. Identify organs and structures of the respiratory system.
2. Define and spell word parts related to the respiratory System
3. Define, pronounce, and spell disease and disorder terms related to the respiratory system
4. Define, pronounce, and spell surgical terms related to the respiratory system
5. Define, pronounce, and spell diagnostic terms related to the respiratory system
6. Define, pronounce, and spell complementary terms related to the respiratory system
7. Interpret, read, and comprehend medical language in simulated medical statements and documents.

Chapter 6: Urinary System

1. Identify organs and structures of the urinary system.
2. Define and spell word parts related to the urinary System
3. Define, pronounce, and spell disease and disorder terms related to the urinary system
4. Define, pronounce, and spell surgical terms related to the urinary system
5. Define, pronounce, and spell diagnostic terms related to the urinary system
6. Define, pronounce, and spell complementary terms related to the urinary system
7. Interpret, read, and comprehend medical language in simulated medical statements and documents.

Chapter 7: Male Reproductive System

1. Identify organs and structures of the male reproductive system.
2. Define and spell word parts related to the male reproductive System
3. Define, pronounce, and spell disease and disorder terms related to the male reproductive system
4. Define, pronounce, and spell surgical terms related to the male reproductive system
5. Define, pronounce, and spell diagnostic terms related to the male reproductive system
6. Define, pronounce, and spell complementary terms related to the male reproductive system
7. Interpret, read, and comprehend medical language in simulated medical statements and documents.

Chapter 8: Female Reproductive System

1. Identify organs and structures of the female reproductive system.
2. Define and spell word parts related to the female reproductive System
3. Define, pronounce, and spell disease and disorder terms related to the female reproductive system
4. Define, pronounce, and spell surgical terms related to the female reproductive system
5. Define, pronounce, and spell diagnostic terms related to the female reproductive system
6. Define, pronounce, and spell complementary terms related to the female reproductive system
7. Interpret, read, and comprehend medical language in simulated medical statements and documents.

Chapter 9: Obstetrics and Neonatology (Omitted)

Chapter 10: cardiovascular and lymphatic systems and blood

1. Identify organs and structures of the cardiovascular and lymphatic systems and blood and function of the immune system.
2. Define and spell word parts related to the cardiovascular and lymphatic systems and blood
3. Define, pronounce, and spell disease and disorder terms related to the cardiovascular and lymphatic systems and blood
4. Define, pronounce, and spell surgical terms related to the cardiovascular and lymphatic systems and blood
5. Define, pronounce, and spell diagnostic terms related to the cardiovascular and lymphatic systems and blood

6. Define, pronounce, and spell complementary terms related to the cardiovascular and lymphatic systems and blood
7. Interpret, read, and comprehend medical language in simulated medical statements and documents.

Chapter 11: Digestive system

1. Identify organs and structures of the Digestive system.
2. Define and spell word parts related to the Digestive system.
3. Define, pronounce, and spell disease and disorder terms related to the Digestive system
4. Define, pronounce, and spell surgical terms related to the Digestive system
5. Define, pronounce, and spell diagnostic terms related to the Digestive system
6. Define, pronounce, and spell complementary terms related to the Digestive system
7. Interpret, read, and comprehend medical language in simulated medical statements and documents.

Chapter 12: The Eye

1. Identify organs and structures of the Eye
2. Define and spell word parts related to the Eye
3. Define, pronounce, and spell disease and disorder terms related to the Eye
4. Define, pronounce, and spell surgical terms related to the Eye
5. Define, pronounce, and spell diagnostic terms related to the Eye
6. Define, pronounce, and spell complementary terms related to the Eye
7. Interpret, read, and comprehend medical language in simulated medical statements and documents.

Chapter 13: The Ear

1. Identify organs and structures of the Ear.
2. Define and spell word parts related to the Ear.
3. Define, pronounce, and spell disease and disorder terms related to the Ear
4. Define, pronounce, and spell surgical terms related to the Ear
5. Define, pronounce, and spell diagnostic terms related to the Ear
6. Define, pronounce, and spell complementary terms related to the Ear
7. Interpret, read, and comprehend medical language in simulated medical statements and documents.

Chapter 14: Musculoskeletal System

1. Identify organs and structures of the Musculoskeletal System.
2. Identify and define types of body movement.
3. Define and spell word parts related to the Musculoskeletal System.
4. Define, pronounce, and spell disease and disorder terms related to the Musculoskeletal System.
5. Define, pronounce, and spell surgical terms related to the Musculoskeletal System.
6. Define, pronounce, and spell diagnostic terms related to the Musculoskeletal System.
7. Define, pronounce, and spell complementary terms related to the Musculoskeletal System

8. Interpret, read, and comprehend medical language in simulated medical statements and documents.

Chapter 15: Nervous System and Behavioral Health

1. Identify organs and structures of the Nervous System.
2. Define and spell word parts related to the Nervous System
3. Define, pronounce, and spell disease and disorder terms related to the Nervous System
4. Define, pronounce, and spell surgical terms related to the Nervous System
5. Define, pronounce, and spell diagnostic terms related to the Nervous System.
6. Define, pronounce, and spell complementary terms related to the Nervous System.
7. Define, pronounce, and spell behavioral terms.
8. Interpret, read, and comprehend medical language in simulated medical statements and documents.

Chapter 16: Endocrine System

1. Identify organs and structures of the Endocrine System
2. Define and spell word parts related to the Endocrine System
3. Define, pronounce, and spell disease and disorder terms related to the Endocrine System
4. Define, pronounce, and spell surgical terms related to the Endocrine System
5. Define, pronounce, and spell diagnostic terms related to the Endocrine System
6. Define, pronounce, and spell complementary terms related to the Endocrine System
7. Interpret, read, and comprehend medical language in simulated medical statements and documents.

Evaluation

There are 14 exams, covering 15 chapters. Exams consist of a combination of multiple choice; diagram identification, and at least 12 written response questions that evaluate a student's ability to write medical terms built from word parts.

One low exam score or missed exam is dropped at the end of the semester. Students have the option of keeping their grade at the end of the semester, which is an average of 13 chapter exams (one exam dropped), or may select to take the comprehensive final exam. If a student takes the comprehensive final exam then the average from their 13 unit exams will count as 80% of their overall grade, and the comprehensive final will count as 20%. Opportunities for up to 5 points towards each unit exam are available to students who participate in case studies and group work assignments. Missing class on the days that these bonus activities are assigned prevents the student from earning these extra points.

Online Student Evaluation: All online evaluation is done on campus in a proctored environment.

There are 14 exams, covering 15 chapters. Exams consist of a combination of multiple choice; diagram identification, and at least 12 written response questions that evaluate a student's ability to write medical terms built from word parts.

Because many online students do not live locally, online students have two options for testing.

- 1) Students have the option of keeping their grade at the end of the semester, which is an average of 13 chapter exams (one exam dropped), or may select to take the comprehensive final exam. If a student takes the final exam, the average from their 13 unit exams will count as 80% of their overall grade, and the comprehensive final will count as 20%.
- 2) Students may select to take only four on campus exams during the semester in which case 15 chapters are combined in four tests. Student selecting this option may keep the average for their four exams at the end of the semester, or may opt to take the comprehensive final exam. If they select this option, the average from the four exams will count for 80% and the final exam will count as 20% of their final grade.

Online students also have opportunities for up to 5 extra points towards each unit exam, or towards each of their four exams. These bonus opportunities are in the form case studies and or other activities that encourage critical thinking. Bonus activities are posted online and must be presented at the time of testing.