The University of Jordan

Faculty: Pharmacy
Department: Biopharmaceutics and Clinical Pharmacy
Program: Pharmacy
Academic Year/ SPRING Semester: 2014-2015

Medical Terminology (1203102)

<table>
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<th>Credit hours</th>
<th>Level</th>
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Coordinator/Lecturer
Dr. Violet Kasabri
And
Dr. Mohammad Issa Saleh

Office number

Course website

E-mail

Place

Office hours
Dr. Violet Kasabri
To be arranged (v.kasabri@ju.edu.jo)

Dr. Mohammad Issa Saleh
To be arranged (moh.saleh@ju.edu.jo)

Course Description
It provides principle information concerning meaning of the roots, prefixes & suffixes commonly used in medical literature, analysis and composition of medical terms as well as using medical terminology appropriately.

Learning Objectives
1. Understand the meaning of the roots, prefixes & suffixes commonly used in medical literature
2. Analyze medical terms
3. Compose medical terms
4. Use medical terminology appropriately

Intended Learning Outcomes (ILOs):
Successful completion of the course should lead to the following outcomes:

A. Knowledge and Understanding: Student is expected to develop Intellectual skills (cognitive and analytical) via learning:
   • Analyzing medical terms and roots
     o Combining word elements/term components
     o Combining forms and combining vowels
     o Connecting term components to construct medical terms and Pronouncing medical words
     o Supplementing the word elements method of learning terms: singular and plural forms
     o A few word elements for getting started
   • Common suffixes and prefixes
     o Categories of suffixes: those signifying medical conditions, diagnostic terms, test information, or surgical procedures, those associated with medical
specialty or specialists or denoting adjectives; noun suffixes, and adjective suffixes

- The body’s organization
  - Describing the main parts of the cell, defining basic four types of body tissues, organs and organ systems. Recognizing and using roots and suffixes, word parts/basic terms pertaining to cells, tissues and organs
  - Defining the main directional terms used in anatomy, describing division of body along with three different planes
  - Locating the dorsal and ventral body cavities and the 9 divisions of the abdomen as well as its 4 quadrants.
  - Describing the main body positions used in medical practice
  - Analyzing terms pertaining to roots, prefixes and suffixes of terms in relation to body structures in case studies/body regions/position and direction
  - Diseases, diagnosis and treatment
  - Defining basic terms/suffixes and prefixes pertaining to medical examination, diagnosis and treatment including surgery
  - Identifying and using word parts pertaining to Infectious diseases, responses to diseases, and neoplasias
  - Enlisting the main components of a patient history, main methods of examination of a patient including imaging techniques
  - Defining major categories of drugs and medications, roots of drug administration, and abbreviations related to drugs and their use
  - Interpreting symbols and abbreviations used in diagnosis and treatment

- The musculoskeletal system
  - Labeling a diagram of the skeleton and Comparing axial and appendicular skeletons along with describing the long bone structure
  - Comparing the suture, a symphysis and a synovial joint
  - Comparing the location of smooth, cardiac and skeletal muscles
  - Identifying Word roots specific to both skeletons [axial and appendicular] and the muscular system
  - General description of Muscles along with briefing on major disorders and procedures of skeleton, joints and muscles.
  - Describing common methods of diagnosis and treatment
  - Interpretation of Common abbreviations used in relation to skeleton and muscles

- Circulation: The cardiovascular and Lymphatic systems
  - Labeling a heart diagram and tracing the path of blood flow through the heart, tracing the path of electrical conduction through the heart.
  - Differentiating among arteries, veins and capillaries
  - Understanding the blood pressure, naming and locating the main components of lymphatic systems.
  - Identifying and using the roots pertaining to cardiovascular and lymphatic systems along with clinical aspects of the circulatory system
  - Interpreting medical abbreviations referring to the heart and circulation as well as defining the main medical terms pertaining to the circulatory system and describing the main disorders and procedures

- Blood and immunity
o Describing the composition of the blood plasma and functions of the three types of blood cells, explaining the basis of blood types and defining immunity
o Identifying and using the roots and suffixes pertaining to blood and immunity, chemistry of blood and describing the major disorders of blood and immune system along with interpretation of abbreviations used in blood studies

- The respiratory system
  o Labeling a diagram of the respiratory tract [upper and lower respiratory airway passages and lung] explaining briefly the function of each part
  o Describing the mechanism of breathing, including the roles of diaphragm and phrenic nerve
  o Identifying and using Word roots specific to respiration
  o Discussing the major disorders and diseases of breathing and respiratory tract and defining procedures commonly used to measure the pulmonary function
  o Interpretation of Common abbreviations in referring to respiration

- The digestive system
  o Labeling a diagram of the digestive tract from mouth to small intestine, along with accessory organs and large intestines and explaining the function of each.
  o Identifying the Word roots specific to digestive system components
  o Describing the major disorders as well as procedures and medical terms used in reference to digestive system
  o Interpretation of Common abbreviations used in referring to gastrointestinal system

- The endocrine system
  o Defining hormones and comparing steroid hormones to peptide hormones
  o Labeling a diagram of endocrine system and tissues
  o Naming the hormones produced by endocrine glands and briefly describing the function of each
  o Identifying and using the Word roots specific to the endocrine system
  o Describing the main disorders and procedures of the endocrine system
  o Interpretation of Common abbreviations used in endocrinology

- The urinary system
  o Labeling a diagram of the urinary tract and following the urine formation and flow through the body –from kidney nephrons and how each portion works in relation to blood circulation to kidneys
  o Identifying and using Word roots specific to the urinary system
  o Describing the major disorders and procedures related to urinary system as well as defining its medical terms
  o Interpretation of Common abbreviations used in referring to urinary system

- The nervous system
  o Labeling diagrams showing: the structural organization of the nervous system [including the sympathetic and parasympathetic systems], a neuron, the location and functions of the brain regions, how central
nervous system is protected and the spinal cord in a cross section indicating the reflex pathway
- Identifying and using Word roots specific to both nervous systems [central, peripheral, autonomic] and the cranial as well as the spinal nerves
- Describing Nervous system disorders and procedures
- Defining Common abbreviations used in neurology

- The eye, ear and skin
  - Explaining the role of the sensory system along with labeling diagrams of the eye, ear and briefly describing the function of each part. Describing the pathway of nerve impulses from ear to the brain and the roles of retina and the optic nerve in vision
  - Labeling a skin diagram. Comparing the epidermis, dermis and subcutaneous tissue. Naming skin glands and describing hair and nails
  - Identifying the word parts pertaining to the senses and skin
  - Describing the main disorders and examination procedures pertaining to the ear, eye and affecting the skin
  - Interpretation of abbreviations used in the study of the eye and ear

B. **Subject specific skills: Developing the ability to use medical terminology appropriately**

C. **Transferable Skills: Student is expected to**
   - Search health-related information through browsing the Internet professional sites & medical journal databases
   - Develop of problem solving and critical thinking skills.
   - Use oral communication to effectively transmit ideas and conclusions to a scientific audience.

### ILOs: Learning and Evaluation Methods

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<tr>
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<tr>
<td>A. Knowledge and Understanding and Intellectual skills (cognitive and analytical)</td>
<td>Lectures and Discussions, Video simulations in addition to class problems</td>
<td>Exam, Quiz, Self study Quiz</td>
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<td>B. Subject specific skills</td>
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<td>C. Transferable skills</td>
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### Evaluation

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<td>Quiz 2</td>
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## Course Contents

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<tr>
<td>Analyzing medical terms and roots</td>
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<td>4th and 5th</td>
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<td>The musculoskeletal system</td>
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<td>5th and 6th</td>
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<td>781786983</td>
<td>A short course in medical terminology.</td>
<td>C. Edward Collins</td>
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<td>1582553009</td>
<td>Lippincott Williams &amp; Wilkins: Medical terminology illustrated guide.</td>
<td>Cohen.</td>
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<td>140189884X</td>
<td>Medical Terminology Made Easy</td>
<td>Dennerll, Jean Tannis. Smith, Genevieve Love.</td>
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<td>9781582558165</td>
<td>Stedman’s Medical Terminology: Steps to success in Medical Language</td>
<td>Creason, Charlotte</td>
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<td>1582550417</td>
<td>Medical terminology made Incredibly Easy</td>
<td>Springerhouse Corporation</td>
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