COURSE DESCRIPTION:
This course introduces the learner to important concepts related to human diseases. The most common diseases and disorders of each body system are presented along with a review of the anatomy and physiology pertinent to that system. Additionally, causes, diagnoses, treatments, and medications of disorders common to each system are presented.

PREREQUISITES:

Medical Terminology for Secretaries I (106-130)
Anatomy and Physiology (510-135)

TEXT AND MATERIALS REQUIRED:

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COURSE OBJECTIVES:

1. Identify the important concepts related to human disease.
2. Examine the mechanism of human disease.
3. Differentiate the classification of neoplasm and causes, diagnosis, grading, prevention and treatment of cancer.
4. Distinguish the body’s defense mechanisms.
5. Analyze the most common diseases and disorders of each body system including review of anatomy and physiology, cause, diagnosis, and treatments.
6. Identify basic terminology related to the discussion of disease processes.
7. Categorize the most common medications pertaining to each body system.

GRADING PROCEDURE

Chapter Tests……………………100%

Grading Scale: 90-100% = A
80-89% = B
70-79% = C
60-69% = D
60 & below = F

COURSE COMPLETION SCHEDULE and COURSE OVERVIEW AND INSTRUCTIONS
Attached

PHARMACOLOGY SUPPLEMENT Get from Instructor
MEDICAL DISORDERS & PHARMACOLOGY

Course Overview

This course involves a review of the most common diseases and disorders of each body system along with a basic anatomy and physiology review of each system. Additionally, causes, diagnoses, treatments, and medications of disorders common to each body system are studied.

Recommended Plan of Study

To cover the material in each chapter adequately, I recommend you first read each chapter, highlighting key terms and information. Complete the study guide for each chapter and study from study guide. However, if you are going to rely on the information contained in your study guide, you must be thorough in your answers. You can check your study guide answers against the answer key in the flex lab if you wish.

Tests will be matching, true and false, and multiple choice. Tests will include information from the study guide as well as medication information for certain body systems as contained in the pharmacology supplement: “Drug Classifications Per Body System.” Please see your course breakdown for chapters including pharmacology. You will not be responsible for spellings of specific drug names or all drugs listed in the tables. You are only responsible for knowing the drugs listed after DRUGS within each drug classification. These drugs have an asterisk within the table. You will need to know what each type of drug is used for with the body systems and the most commonly prescribed drugs for each body system (see tables in Pharmacology supplement). For example, broad categories of drugs such as the following will be in a matching format on the tests:

**Erythromycins** = are used in treating many infections of the respiratory tract and for skin conditions such as acne.

**Antifungals** = are used to treat infections caused by susceptible fungi.

**OPTIONAL STUDY GUIDES FOR EACH CHAPTER ARE AVAILABLE IN THE THIRD DRAWER OF THE STUDENT FILE CABINET IN THE FLEX LAB.** Once you complete a study guide, you can check it with an answer key available from the Flex Lab instructors and use it as a study tool for tests.

Sample Test Format for Drug portion

<table>
<thead>
<tr>
<th>Drug Categories</th>
<th>Drugs</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. penicillin</td>
<td>1. Ancef</td>
</tr>
<tr>
<td>b. aminoglycosides</td>
<td>2. Augmentin</td>
</tr>
<tr>
<td>c. chloramphenicol</td>
<td>3. Biaxin</td>
</tr>
<tr>
<td>d. cephalosporins</td>
<td>4. Ceclor</td>
</tr>
<tr>
<td>e. erythromycins</td>
<td>5. Celestone</td>
</tr>
</tbody>
</table>

In the first blank to the left of each drug category indicate the letter that best matches that category. Also indicate the correct number(s) for drugs used with that drug category.

___ 1. Disorders associated with pain, spasm, abnormal contraction or impaired mobility respond to this treatment.  

**DRUGS:**  

1) ________________________________
MEDICAL DISORDERS & PHARMACOLOGY
Course Schedule

Medical Disorders & Pharmacology (A)

Chapter 1 – Introduction to Human Diseases
Chapter 2 – Mechanisms of Disease
TEST – Chapters 1 & 2

Chapter 3 – Neoplasms
Chapter 4 – Inflammation and Infection
TEST – Chapters 3 & 4

Chapter 5 – Immune System Diseases and Disorders + Pharmacology*
Chapter 6 – Musculoskeletal System Diseases and Disorders + Pharmacology*
Chapter 7 – Blood & Blood-Forming Organs Diseases & Disorders + Pharmacology*
TEST – Chapters 5,6,7

Chapter 8 – Cardiovascular System Diseases and Disorders + Pharmacology*
Chapter 9 – Respiratory System Diseases and Disorders + Pharmacology*
Chapter 10 – Lymphatic System Diseases and Disorders
TEST – Chapters 8,9,10

Medical Disorders & Pharmacology (B)

Chapter 11 – Digestive System Diseases and Disorders + Pharmacology*
Chapter 12 – Liver, Gallbladder, and Pancreas Diseases and Disorders
Chapter 13 – Urinary System Diseases and Disorders + Pharmacology*
TEST – Chapters 11,12,13

Chapter 14 – Endocrine System Diseases and Disorders + Pharmacology*
Chapter 15 – Nervous System Diseases and Disorders + Pharmacology*
Chapter 16 – Eye and Ear Disease and Disorders + Pharmacology*(eye only)
TEST – Chapters 14,15,16

Chapter 17 – Reproductive System Diseases and Disorders + Pharmacology*
Chapter 18 – Integumentary System Diseases and Disorders + Pharmacology*
Chapter 19 – Genetic and Developmental Diseases and Disorders
TEST – Chapter 17,18,19

Chapter 20 – Childhood Diseases and Disorders
Chapter 21 – Mental Health Diseases and Disorders + Pharmacology*
TEST – Chapters 20 & 21

* See Pharmacology Supplement “Drug Classifications Per Body System”