

Lorain County Community College
Division of Allied Health & Nursing
ALHN 110 – Medical Terminology

Medical Terminology is a course that is designed to teach you the “Language of Medicine”. You will learn how to pronounce, spell, define, and use terminology for the medical profession.

TEXTBOOK: Medical Language, Immerse Yourself, Susan Turley

Suggestions for a Medical Dictionary:
Mosby’s Medical Dictionary
Taber’s Medical Dictionary

FACULTY:

CLASS MEETINGS:
Friday. 9a.m. – 11:50a.m.

This course is probably taught differently than most courses you have ever taken.

The class time is divided into three parts.

- Test taking
- Presentation of student projects
- Instructor lecture

The course is taught using a method that combines mastery learning and personalized instruction. Which means that you must “master” the information in one lesson before you move on to the next lesson. This also means that after about the second week of class there will be people at different stages of learning in each class. You will find in this syllabus, a suggested schedule of assignments and test taking days. My lectures will follow the schedule. However, because some people learn at different speeds, you will have the opportunity to decide when you will take a test. In addition, you may have two opportunities to pass each test.

In the syllabus you will find assignments for Part A and Part B. You will only complete the Part B assignments if you score below 70% on the Part A test. Then, it will be the “B” test score that will stand as your grade.

Assignments that are made where you must complete a cd exercise are found under the heading “educational fun and games” on the cd that accompanies your textbook.. You are encouraged to complete any or all of the other exercises on the cd on your own.

Your grade is determined by 4 factors:

- Average of your test grades = 20% of final grade
- Final exam = 40% of final grade
- Project = 20% of final grade
- Homework = 20% of final grade

GRADES

93-100	= A
84-92	= B
78-83	= C
70-78	= D
Below 70	= F

All tests must be taken during class time. I do not give tests in the test center.

Grades will be posted online using ANGEL

For the consideration of all the people in this class please:

- **Turn your cell phone/pager to vibrate while in the classroom**
- **Do not bring children to class**
- **If you have snacks or drink beverages in this classroom, take your wrappers, bottle, cans, etc. with you when you leave.**

COURSE OUTCOMES:

Cognitive/Knowledge:

- **Identify common word roots, prefixes, suffixes, and combining forms used in medical terms**
- **Analyze medical terminology related to each body system**
- **Define medical abbreviations related to each body system**
- **Integrate word building rules into reading, writing and speaking using medical terminology**

Behavior/Skills:

- **Construct medical terminology basic word parts**
- **Speak (pronounce), write and spell common medical terms and abbreviations related to human body systems**

Values/Attitudes:

- **Understand the importance of correct use of medical terminology and spelling in a professional situation**

PROJECT

Each student is required to present a project to the class. This project may be a poster presentation, a demonstration, a power point presentation or any other project that you would like to do, with the instructor's approval.

The topic of your project is to be a disease, a medical condition or a medical or surgical procedure. Whatever you do you must do an oral presentation.

For a medical or surgical procedure you will include the following information:

- **Type of procedure**
- **Purpose of procedure**
- **Materials needed to perform the procedure**
- **Risks of the procedure**
- **Expected outcome of the procedure**
- **Source(s) of your information**

For a disease or condition you will include the following information:

- Disease
- Signs/symptoms
- Cause
- Methods of diagnosis
- Treatment
- Expected outcome
- Source(s) of your information

Additionally, you will not be required to take a test on the chapter you have chosen for your presentation. You will have 100% for that chapter.

This course syllabus is not a contract and may be changed by the instructor at anytime with written or verbal announcements to students.

**SUGGESTED SCHEDULE OF HOMEWORK ASSIGNMENTS,
PRESENTATIONS AND TESTS**

WEEK	DATE	ASSIGNMENT
1	August 21	Chapters 1,2
2	August 28	TEST CHAPTERS 1 & 2 Presentation Chapter 3 Lecture chapter 3
3	Sept. 4	TEST CHAPTER 3 Presentation Chapter 4 Lecture chapter 4
4	Sept 11	TEST CHAPTER 4 Presentation Chapter 5 Lecture chapter 5
5	Sept 18	TEST CHAPTER 5 Presentation Chapter 6 Lecture Chapter 6
6	Sept 25	TEST CHAPTER 6 Presentation Chapter 7 Lecture Chapter 7
7	Oct 2	TEST CHAPTER 7 Presentation Chapter 8 & 9 Lecture Chapters 8 & 9
8	Oct 9	TESTS CHAPTERS 8 & 9 Presentation chapter 10 Lecture Chapter 10
9	Oct 16	TEST CHAPTER 10 Presentation Chapter 11 Lecture Chapter 11
10	Oct 23	TEST CHAPTER 11 Presentation chapter 12 & 13 Lecture chapter 12 & 13
11	Oct 30	TEST CHAPTERS 12 & 13 Presentation chapter 14 Lecture Chapter 14
12	Nov 6	TEST CHAPTER 14 Presentation chapter 15 & 16 Lecture Chapter 15 & 16
13	Nov 13	TEST CHAPTERS 15 & 16 Presentation Chapter 17 & 18 Lecture Chapter 17
14	Nov 20	TEST CHAPTERS 17 & 18 Presentation Chapter 19 Lecture Chapter 19
15	Dec. 4	TEST CHAPTER 19 COMPLETE ANY WORK TO BE FINISHED
16	Dec. 11	FINAL EXAM

RUBRIC FOR ORAL PRESENTATION

This is the tool I will use to evaluate/grade your oral presentation.

NAME: _____

TOPIC: _____

DATE: _____

CHAPTER _____

RUBRIC	Possible points	Assessment
1. Provided in depth coverage of topic	25	
2. Presentation was well planned and easy to follow the flow of information	20	
3. Personal experience integrated where appropriate.	5 Extra Credit	
4. Communication aids were clear and useful and easy to see.	20	
5. Presenter was easily understood and pronounced medical terms with 100% accuracy.	20	
6. Bibliographic information was complete	15	
Total possible points	105	

Grading scale as follows: 17-20 Excellent, 13-16 Very Good, 12-15 Good, 6-9 Satisfactory, 2-5 Poor, 0-1 Unsatisfactory

MY GRADES

Chapters 1,2	A.	B.
Chapter 3	A.	B.
Chapter 4	A.	B.
Chapter 5	A.	B.
Chapter 6	A.	B.
Chapter 7	A.	B.
Chapters 8	A.	B.
Chapters 9	A.	B.
Chapter 10	A.	B.
Chapter 11	A.	B.
Chapter 12	A.	B.
Chapter 13	A.	B.
Chapters 14	A.	B.
Chapter 15	A.	B.
Chapter 16	A.	B.
Chapter 17	A,	B.
Chapter 18	A.	B.
Chapter 19	A.	B.
Exam Average		
Presentation		

SUGGESTIONS FOR PRESENTATION TOPICS
ALHN 110

WEEK/DATE/CHAPTER	POSSIBLE TOPICS
2 – August 28 Chapter 3	Ulcers, Crohn’s Disease, reflux disease, gallstones, gallbladder disease, any cancer of the GI tract
3 – Sept 4 Chapter 4	Pneumonia, COPD, Asthma, Bronchitis, Lung cancer, effects of smoking, pulmonary embolism
4 – Sept 11 Chapter 5	Heart attack, cardiovascular disease, valve replacement surgery, heart transplant, CHF, cardiac angioplasty
5 – Sept 18 Chapter 6	Rh factors, leukemia, bleeding/clotting disorders
6 - Sept 25 Chapter 7	Psoriasis, acne, warts, alopecia, vitiligo
7 - Oct 2 Chapter 8 & 9	Fractures, hip replacement, knee replacement, arthritis, soft tissue injuries of the knee, muscle diseases
8 – Oct 9 Chapter 10	Cerebral aneurysms, stroke, brain tumors, Parkinson’s disease,
11 – Oct 16 Chapter 11	Renal transplant, hydronephrosis, urinary tract stones, bladder cancer
12 Oct 23 Chapters 12 & 13	Pregnancy, prostate cancer, BPH, Cancer of the ovaries, cancer of the cervix, cesarean section
13 –Oct 30 Chapter 14	Growth problems, diabetes, Klinefelter’s syndrome
14 – Nov 6 Chapter 15 & 16	cataracts, macular degeneration, glaucoma, cochlear implants, anosmia, tonsillectomy
15 – Nov 13 Chapter 17 & 18	autism, depression, schizophrenia, bipolar disorder, anxiety, OCD Cancer
15 – Nov 20 Chapter 19	Any radiographic procedure

Chapters 1,2

LEARNING ACTIVITIES

ROUND ONE

- read chapters one and two in the text and complete all exercises
- complete the word building exercise on the cd for chapter 1, print your score and turn in to the instructor
- complete the matching exercise on the cd for chapter 2, print your score and turning to the instructor
- Using a medical dictionary write the definition of each of the following words. Then write what it is that each of the words in this group has in common. Turn this assignment in to your instructor.
 - Erythrocyte,
 - cirrhosis,
 - jaundice,
 - chlorophyll,
 - cyanosis,
 - melanoma
- complete the test for chapters 1 & 2

ROUND TWO

- reread chapters one and two
- complete the cognition labeling exercises on the cd for chapter 1, print your score and turn in to the instructor
- complete the matching exercise on the cd for chapter 2, print your score and turn in to the instructor
- Complete the work sheet on the next page and turn it in to your instructor
- complete the round 2 test for chapters 1 & 2

CHAPTER 1 WORKSHEET

NAME _____

Using the word parts below complete the word that best fits each definition given below. Word parts may be used more than once.

-ac	append/o	arthr/o	peri-	endo-
laryng/o	-ectomy	nas/o	-al	gastr/o
-pathy	-itis	tonill/o	intro-	megaly
-scopy	sub	-oma	hepat/o	cardi/o

1. Visual examination of a joint with a scope _____scopy.
2. Removal of the tonsils _____ectomy.
3. Pertaining to the nose _____al.
4. Enlargement of the liver hepat _____.
5. Disease of the stomach: gastro _____.
6. Tumor of the liver _____oma.
7. Disease of the heart _____pathy.
8. Removal of the appendix;append _____.
9. Visual examination of the stomach with a scope gastro _____.
10. Inflammation of the stomach? _____itis.
11. Inflammation of the tonsils _____itis.
12. Tumor of the stomach: _____oma
13. Pertaining to the heart _____ac
14. Removal of the voice box: _____ectomy.
15. Loss of voice: _____itis.

CHAPTER 3

ROUND ONE LEARNING ACTIVITIES

- Read and complete exercises in the textbook
- Complete the labeling and word building exercises for chapter 3 on the cd, print your score and turn in to the instructor
- Complete test A

ROUND TWO LEARNING ACTIVITIES

- Re read the chapter and review the completed exercises in the textbook
- Complete the strikeout and matching exercises on the cd for chapter 3, print your score and turn in to the instructor
- Complete test B

CHAPTER 4

ROUND ONE LEARNING ACTIVITIES

- Read chapter 4 in your text and complete all exercises
- Complete the word building exercise on the CD and turn in to instructor
- Complete the matching exercise on the cd and turn in to instructor
- Complete spelling test

ROUND TWO LEARNING ACTIVITIES

- Re read and review chapter 4 in the textbook
- Complete the crossword puzzle and the guessword exercises found on the cd
- Create a flyer that you could use to convince people to stop smoking
- Complete spelling test

Apnea
bronchiole
Dyspnea
Larynx
Pneumonia
Tracheostomy

atelectasis
cyanosis
emphysema
mucosa
resuscitation
trachea

auscultation
diaphragm
hemoptysis
parenchyma
stethoscope
pharynx

Bronchiectasis
bronchitis
laryngeal
pleura
tachypnea
alveoli

CHAPTER 5

ROUND ONE LEARNING ACTIVITIES

- Read and complete all exercises in the textbook
- Go to the internet (google is probably best) and type in “ways to decrease high blood pressure” Check several of the links and write down 5 different ways to lower blood pressure. Turn list in to instructor
- Take test A

ROUND TWO LEARNING ACTIVITIES

- Re read and review all exercises in the textbook
- Complete the wordbuilding and matching exercises on your cd, and turn results in to instructor
- Take test B

CHAPTER 6

ROUND ONE LEARNING ACTIVITIES

- Read and complete all exercises in your textbook
- Complete the word building exercise on the following page and turn in to the instructor
- Take mastery test

ROUND TWO LEARNING ACTIVITIES

- Re read and review all exercises in your textbook
- Complete the word building and multiple choice exercises on the cd and turn in to the instructor
- Take mastery test

CHAPTER 7

ROUND ONE LEARNING ACTIVITIES

- Read and complete all exercises in your textbook
- Complete the word building and exercise on the cd and turn in to the instructor
- Take mastery test

ROUND TWO LEARNING ACTIVITIES

- Re read and review all exercises in your textbook
- Visit the internet and gather information about the Rule of Nines System for describing burns. Draw a figure (front and back) showing the Rule of Nines System.
- Take mastery test.

CHAPTERS 8 & 9

ROUND ONE LEARNING ACTIVITIES

- Read and complete all exercises in your textbook
- Complete the word building activity on the cd for chapters 8 & 9 and turn it in to the instructor
- Complete test (spelling test)

ROUND TWO LEARNING ACTIVITIES

- Re read and review all exercises in your textbook
- Complete the matching and true and false exercises on the cd for chapters 8 & 9 and turn it in to the instructor
- Complete test (spelling test)

mandible	digit	diaphysis	arthrography	fossa
acromion	appendicular	femoral	fibula	calcaneus
clavicle	humerus	congenital	acetabulum	coccyx
dyskinesia	intercostal	myalgia	abduction	biopsy
ganglion	inversion	fascia	benign	osteopath
supination	striated	tendonitis	rigor mortis	tremor

CHAPTER 10

ROUND ONE LEARNING ACTIVITIES

- Read and complete all exercises in your textbook
- Select one of the following and write a one page report on the personal story, symptoms diagnosis, treatment and aftermath of a neurological disease as it has affected one of these famous people

Dick Clark

Stroke

Michael J. Fox

Parkinson's Disease

Annette Funicello

Multiple Sclerosis

Lou Gehrig

Amyotrophic lateral sclerosis

Danny Glover

Epilepsy

Steven Hawkings

Amyotrophic lateral sclerosis

Itzaac Perlman

Paraplegia

Ronald Reagan

Dementia

Christopher Reeves

Quadriplegia

Wilma Rudolph

Post polio syndrome

Ariel Sharon

Stroke

- Take test A

ROUND TWO LEARNING ACTIVITIES

- Re read and review all exercises in your textbook
- Complete the multiple choice and matching activities on the cd for chapter 10 and turn it in to the instructor
- Take test B

CHAPTER 11

ROUND ONE LEARNING ACTIVITIES

- Read and complete all exercises in your textbook
- Complete the crossword puzzle on the cd and turn it in to the instructor
- Complete the worksheet on the following page and turn it in to the instructor
- Take test A

ROUND TWO LEARNING ACTIVITIES

- Re read and review all exercises in your textbook
- Complete the matching activities on the cd and turn it in to the instructor
- Complete test B

WORKSHEET CHAPTER 11

NAME _____

CALI/O
CALIC/O
CYST/O
GLOMERUL/O
MEATO

NEPHR/O
PYEL/O
RENO
TRIGON/O
UR/O

URIN/O
URETER/O
URETHR/O
VESIC/O

1. Glomerular disease: _____pathy
2. Inflammation of the urinary bladder: _____itis.
3. Kidney enlargement: _____megaly.
4. Removal of a bladder stone: _____lithotomy.
5. Instrument for inspecting the urethral passageway: _____scope.
6. Excessive urea in the blood:
_____emia
7. Repair of a calyx: _____plasty.
8. Narrowing of the urethra: _____stenosis.
9. Kidney tumor: _____oma.
10. Hernia of the urinary bladder: _____cele.
11. Study and treatment of the urinary system: _____logy.
12. Repair of the meatus: _____plasty.
13. Bladder suture: _____rrhaphy.
14. Incision into the calyx: _____otomy.
15. Of the kidneys and stomach: _____gastric.
16. Inflammations of the bladder and urethra: _____urrethritis
17. Kidney condition _____osis.
18. Suture of the meatus: _____rrhaphy
19. Inflammation of the glomeruli of the kidney: _____nephritis.

CHAPTERS 12 & 13

ROUND ONE LEARNING ACTIVITIES

- Read chapters 12 & 13 in the textbook and complete all exercises in the book
- List five methods of birth control, briefly explain how they work, and give statistics on how effective each is. Turn in to your instructor
- On the cd, complete the word building exercise for chapter 13 and turn results in to your instructor
- Take test A

ROUND TWO LEARNING ACTIVITIES

- re-read chapters 12 & 13
- complete the word building exercise for chapter 12 on the cd and turn results in to your instructor
- complete the crossword puzzle for chapter 13 on the cd and turn the results in to your instructor
- take test B

CHAPTERS 14

ROUND ONE LEARNING ACTIVITIES

- Read and complete all exercises in your textbook
- Complete the word building exercise on the cd and turn in to the instructor
- Complete test A

ROUND TWO LEARNING ACTIVITIES

- Re read and review the exercises in your text book
- Complete the True/False exercise on the cd and turn it in to the instructor
- Complete the matching section on the cd and turn in to the instructor
- Complete test B

CHAPTERS 15 & 16

ROUND ONE LEARNING ACTIVITIES

- Read and complete all exercises in your textbook
- Complete the word building and crossword puzzle exercises for both chapters on the cd and turn your results in to the instructor
- Take test A

ROUND TWO LEARNING ACTIVITIES

- Re read and review activities in your text book
- Complete the multiple choice exercise on the cd and turn it in to the instructor
- Take test B

CHAPTERS 17 & 18

ROUND ONE LEARNING ACTIVITIES

- Read and complete all exercises in your textbook
- Complete the Word building activity on the cd for chapter 17 print score, and turn in to the instructor
- Write a short description of one of the following screening tests done for cancer and turn in to the instructor
 - PSA
 - PAP test
 - Mammogram
 - Colonoscopy
- Take test A

ROUND TWO LEARNING ACTIVITIES

- Re read and review the activities in your textbook
- Complete the multiple choice activity on the cd for Ch. 17 and turn in to the instructor
- Complete the word building activity on the cd for Ch 18 and turn in to the instructor
- Take test B

There are two tests for this chapter. One for chapter 17 and a spelling test for chapter 18 using the words in the following list.

Carcinoma	genetic	cancerous	chemotherapy
Intrathecal	metastasis	teratoma	neoplasm
Melanoma	mammography	oncology	karyotype
Cytoplasm	biopsy	adenocarcinoma	
Brachytherapy	lymphoma	nucleus	
Tomography	lymphadenopathy	chondrosarcoma	
Glioblastoma	chemoembolization		
Carcinogen	cystectomy		

WORKSHEET
CHAPTER 17

NAME _____

USING THE FOLLOWING COMBINING FORMS AND SUFFIXES, COMPLETE THE WORD THAT BEST FITS THE DEFINITION OF EACH WORD RELATING TO TERMS IN PSYCHIATRY.

Hypn/o
Neur/o

-phobia
psych/o

-mania
-philia

-phoria
schiz/o

1. Destruction of neurons: _____cytolysis
2. Characteristic of schizophrenia: _____oid.
3. Embryonic nerve cell: _____-blast.
4. Study of relationship of biology and psychology: _____biology.
5. Obsessed with sexual thoughts or behavior: eroto_____.
6. Extreme attraction for the dead: necro_____
7. Induction of sleep: _____genesis.
8. Feeling of well being: eu_____
9. Relationship to the mental perception of sound:
_____auditory.
10. Functional nervous condition: _____osis.
11. General ill feeling: dys_____
12. Fear of bees: api_____ -
13. Fear of heights: acro_____
14. Treating with trancelike sleep: _____therapy
15. Abnormal attraction to children: pedo _____
16. Mild mental behavioral disorder: _____neurosis
17. Fear of public places: agora _____

18. Fear of night: nycto_____

19. Study of the brain and behavior _____psychology

20. Using hypnosis during dental procedures:
_____odontics.

CHAPTER 19

ROUND ONE LEARNING ACTIVITIES

- Read and complete all activities in your textbook
- Complete the crossword exercise on the cd and turn in to the instructor
- Complete the multiple choice exercise the cd and turn in to the instructor
- Take test A

ROUND TWO LEARNING ACTIVITIES

- Re read and review all activities in your textbook
- Complete the multiple choice activity on the cd for both chapters and turn in to the instructor
- Complete the work sheet on the following page and turn in to the instructor
- Take test B