



Medical Anatomy and Physiology

Syracuse High School

2016-2017



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I. PURPOSE OF THE COURSE:

- A. Designed for Junior and Senior Students
- B. Allows students to investigate many of the health fields
- C. Provides detailed study of Anatomy & Physiology

II. COURSE OUTLINE:

The course is functionally divided into four areas

A. Anatomy and Physiology:

1. Texts: Essentials of Human Anatomy and Physiology, Marieb, Elaine N., (2006).
2. This portion of the class is designed for college preparation in Anatomy and Physiology for many of the allied health professions and is a prerequisite for the Advanced Anatomy and Physiology course, the Sports Medicine course or a School to Careers internship in an allied health profession.
3. High School Vocational Credit is also earned.

Concurrent enrollment credit is available for this course. Students who register for this opportunity will generate a *permanent college transcript* with both grade and credit. Students are expected to maintain a high level of attendance and performance.

B. Medical Terminology (*Concurrent Enrollment - Health Science 1101: 2 Credit Hours*)

1. Text: Acquiring Medical Language, Jones, PhD, & Cavanagh, MD, (2016), 1e. This text is a McGraw Hill Connect product. You will have access to an electronic copy of the text, as well as access to "The Connect" learning process. Students may also purchase a loose leaf hard copy for \$25.00
2. This portion of the class is designed to prepare the student to challenge for 2 units of college semester credit in Health Science 1101 - Medical Terminology - at Weber State University.

Objectives:

- a. be able to build medical words from Latin and Greek prefixes, suffixes, word roots, and combining forms using the system introduced in the programmed learning text
- b. be able to recognize medical words from their Latin and Greek parts and write their correct medical definition
- c. be able to spell medical terms correctly
- d. be able to recognize common medical abbreviations and symbols and describe their meaning and uses
- e. be able to pronounce medical terms correctly

C. Case Studies in Health Sciences (*Concurrent Enrollment - Health Science 1120: 3 Credit Hours*)

1. Case Studies in Health Science Workbook, Newton 2010. Various handouts, work sheets, and reference material



This portion of the class is designed to prepare the student to challenge for 3 units of college semester credit in Health Science 1101 - Medical Terminology - at Weber State University. This course is designed to study the health sciences and health professions through medical case studies. The course focuses on patient case histories, the pathophysiology of the disease process, and the health professionals who work as a team to diagnose and treat disease. The course revolves around medical case studies. Each case study focuses on a different disease and different body system. The case studies link to four main supporting pages: Medical terminology, body systems, diagnostic testing, and health professions. Health profession links will explore the job description, educational requirements, compensation ranges, and future opportunities for each of the professions presented.

We will study 12 Medical Cases on line.

Content of cases:

Module 1:	Burn
Module 2:	Sports-Related Traumatic Injury
Module 3:	Multiple Sclerosis
Module 4:	Meningitis
Module 5:	Type 1 Diabetes
Module 6:	Acute Lymphocytic Leukemia
Module 7:	Acute Myocardial Infarction
Module 8:	Hemophilia
Module 9:	Asthma
Module 10:	Hepatitis
Module 11:	Acute Renal Failure
Module 12:	Testicular Cancer

- D. Clinical Workshops: The workshops are taught by professionals in a variety of specialty areas. Once a month the student participates in a workshop consisting of an in class presentations, clinical experience, and competency testing in a specific allied health profession.

III. HOMEWORK: This class is taught as if it were a college course. Students are expected to stay current with lecture notes, reading assignments, and out of class homework assignments. (See Class Policies and Procedures Handout)

IV. EXAMS:

- Exams from material covered in lectures and the text will be given at the completion of a body system or unit.
- Quizzes may be given covering information in each specific workshop.
- Some workshops are subject to a Practical Competency Exam.

V. GRADING PROCEDURES: *This is a 2 period class. Therefore, 2 grades will be given.*

A. Point Allocation:

1. Exams	100 - 500 points possible
2. Quizzes	10 - 99 points possible

B. Clinical Experience

1. Attendance	50 points
2. Written Synopsis	25 points

VI. GRADING BREAKDOWN:

A = 93% - 100%	A- = 90% - 92 %	B+ = 87% - 89%
B = 83% - 86%	B- = 80% - 82%	C+ = 77% - 79%
C = 73% - 76%	C- = 70% - 72%	D+ = 67% - 69%
D = 63% - 66%	D- = 60% - 62%	59% or BELOW = F

CLASS POLICIES AND PROCEDURES

To encourage student-instructor cooperation the following policies are established to outline student responsibilities and expectations concerning attendance, written papers and projects, testing procedures, clinicals, HOSA responsibilities (Health Occupations Students of America), and additional fees. Hopefully, these guidelines will ease student frustration and provide a basis for quality education.

ATTENDANCE

Students are encouraged to attend all classes. Medical Anatomy and Physiology classes usually require some type of learning by doing or participation activity. Therefore, most lessons cannot be mastered by reading the required text or other activities. Textbooks are provided to supplement the instructor's lectures and other class experiences. Also, class tests will usually reflect the instructor's interpretation of the material presented in the text and the only way to obtain the instructors interpretation of this material is to attend class regularly.

The attendance policy at the students High School will be strictly enforced. Excused Absences may be those which are pre-arranged with the instructor. **All excused absence work and assignments must be PREARRANGED with the instructor (THIS INCLUDES SCHOOL EXCUSED ABSENCES).** Excused absences may be due to medical or personal emergencies. If you are absent from class unexpectedly, **NO Make - Up work will be accepted for UNEXCUSED absences.**

If a student misses a class or several class periods due to an excused absence and misses a test, quiz, or class activity which contributes to his or her grade, the student must make up the missed work on the day that they return to class. If they do not make up the work the day they return to school they will be given an alternative test, quiz, or course work. (Essay or Oral make up exam)

Students that attend class are expected to participate in scheduled lectures, clinicals, laboratory sessions, and discussion periods.

PAPERS AND PROJECTS

Punctuality: All papers and assignments are due at the **beginning** of the class period on the assigned date unless an excused absence has been otherwise **pre-arranged** by mutual student-instructor decision. If you are absent on the date that an assignment is given or is to be turned in it is your responsibility to obtain the assignment from the instructor or fellow classmates or turn in your assignment via classmates. For your convenience I have posted most assignments on my web site.

Presentation: Papers should be typed or written on a word processor (12pt font). Double spacing is required for all papers or reviews. Class assignments should be typed on paper sized 8.5 x 11.

EXAMS and QUIZZES

All examinations are scheduled and on my website. The instructor may provide a study guide identifying learning objectives that should be mastered to perform acceptably on the examination. Quizzes occur periodically and may cover readings, medical terminology exercises, lecture material, clinical instruction, and assigned homework projects. Advance notice on upcoming quizzes may or may not be provided.

There will be NO MAKE-UP examinations or quizzes unless prearranged by mutual student - instructor agreement or the absence is justifiably excused. If a student misses a scheduled examination or quiz he or she will receive a 0 for that particular exam. **All excused absence examinations or quizzes must be made up during on the same day the student returns to class.**

STUDENT SCHOLARLY RESPONSIBILITIES

Cheating and plagiarism **WILL NOT** be tolerated. Students are reminded that examination questions may be given regarding the assigned readings even if those particular topics are not thoroughly discussed in class.

CLINICALS

You may not be admitted late to any clinical or guest lecture. Points will be lost for tardies when guest lectures are present. Appropriate dress for the profession must be worn at all clinical sites. Improper or disrespectful behavior toward any clinical guest speaker will not be tolerated. **There may be no way to make up missed clinical experiences.** Please arrange your schedules to attend the clinicals. There will usually be two or three after school clinicals per year.

HOSA

Health Occupations Students of America is our student organization. All students enrolled in Medical Anatomy and Physiology are encouraged to join Local, State, and National HOSA Organizations (Total Annual Fee = \$20.00). This looks great on your resume and will offer you many exciting experiences throughout the year, including leadership conferences, state and national competition, and social events with other chapters. Get geared up for an exciting year. Each year we take a number of students to national competitions in over 25 health related contests.

SUPPLIES

Students are responsible for furnishing their own school supplies. (Highlighter markers, note paper, pen or pencil, a set of at least 20 colored pencils etc.).

FEES

(Any student that is eligible for fee waiver status by his or her High School will also be eligible for fee waiver status for the Medical Anatomy and Physiology required fees) **Lab Fee Only**

Required Fees:

1.	MAP Laboratory Fees	- \$20.00	(Pay in Office)
2.	Case Studies Manual	- <u>\$51.00</u>	(Pay in Office)
	<i>Due to SHS Main Office</i>	- \$71.00	

1.	Medical Terminology (McGraw Hill Connect)	- \$72.50	(Pay Online)
1.	Weber State University Admission Fee	- \$30.00	(Pay Online)
2.	Case Studies in Health Science Tuition	- \$15.00	(Pay Online)
3.	Medical Terminology Tuition	- <u>\$10.00</u>	(Pay Online)
	<i>Due to Weber State University</i>	- \$55.00	

TOTAL-REQUIRED FEES = \$198.50

(Due Friday September 9th, 2016)

To enroll as a Weber State University Concurrent Enrollment Student you will need:

1. Social Security Number
2. Driver's License
3. VISA/MASTER CARD/Discover Card with a valid Expiration date & CSC number

Case Studies in Health Sciences (*Concurrent Enrollment - Health Science 1120: 3 Credit Hours*)

Medical Terminology (*Concurrent Enrollment - Health Science 1101: 2 Credit Hours*)

(a \$1,426.46 dollar Value ***) 2016-2017***

(a \$1,378.49 dollar Value ***) 2015-2016***

(a \$1,338.33 dollar Value ***) 2014-2015***

B. Optional Fees:

****** 1. HOSA Membership = \$20.00 ******

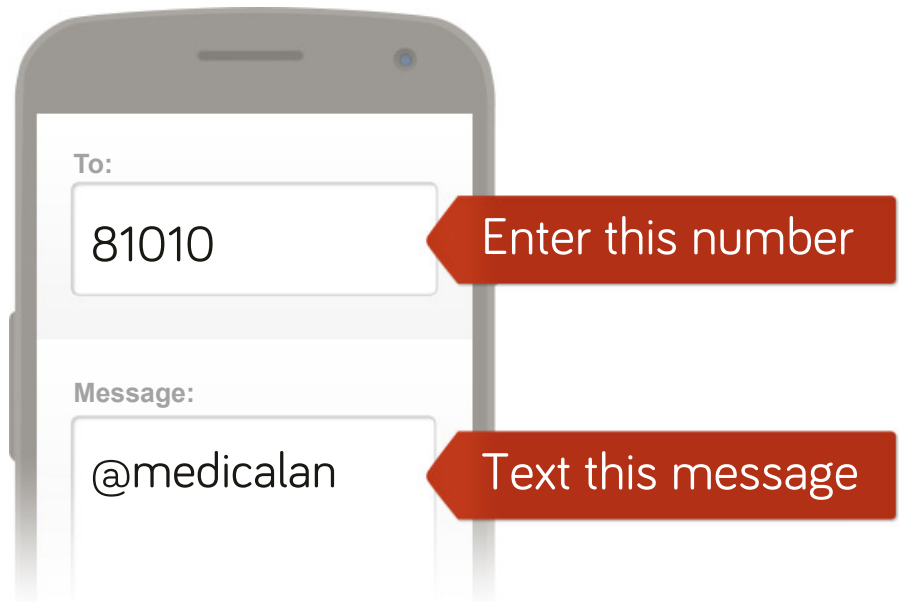
(Includes Local, State, and National Dues and Attendance and Involvement in HOSA Competition)

Coach Anderson would like you to join Medical Anatomy!



To receive messages via text, text **@medicalan** to **81010**. You can opt-out of messages at anytime by replying, 'unsubscribe @medicalan'.

Trouble using 81010? Try texting **@medicalan** to **(385) 218-6742** instead.



*Standard text message rates apply.

Or to receive messages via email, send an email to **medicalan@mail.remind.com**. To unsubscribe, reply with 'unsubscribe' in the subject line.



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