

SYLLABUS

<u>Name of Course:</u>	Exam: Ear, Eyes, Ears, Nose and Throat DIAG316
<u>Length of Course:</u>	2 units, 33 hours (3 hours lecture)
<u>Course Description:</u>	The focus of this course is on gaining the understanding and skills needed to evaluate the skin, nails, head, neck, eyes, ears, nose, mouth and throat. The student will learn how to determine whether a disorder is benign or malignant, contagious or not, and whether it is self-limiting or needs referral to the appropriate health care provider.
<u>Prerequisites:</u>	DIAG-226, ANAT-138, PATH-227
<u>Co-requisite:</u>	DIAG-816
<u>Courses offered by:</u>	Clinical Sciences Department
<u>Required Text:</u>	Bickley, Bates Guide to Physical Examination and History Taking, 10th ed. Philadelphia: Lippincott Williams & Wilkins; 2008. (on reserve in library) Wolff, Fitzpatrick's Color Atlas and Synopsis of Clinical Dermatology, 6th ed. New York: McGraw Hill Medical; 2009. (on reserve in the library) CLASS NOTES available electronically on Canvas.
<u>Recommended Text:</u>	Beers MH, et al., editors. The Merck Manual of Diagnosis and Therapy. 18 th Ed. Whitehouse Station: Merck; 2006. Goldberg, S. Ophthalmology made ridiculously simple. 4th ed. Miami: Medmaster; 2008. LeBlond R, et al., editors. Degowin's diagnostic examination. 9th ed. New York: McGraw-Hill Medical; 2009. (on reserve in the library) Riordan-Eva P, et al., editors. Vaughan & Asbury's General Ophthalmology. 17th ed. New York: Lange Medical 2008.
<u>Reference Texts:</u>	A guide to the use of diagnostic instruments in eye, ear, nose and throat examinations. Skaneateles Falls: Welch Allyn; 1991. (on reserve in library). Seidel HM, Mosby's guide to physical examination. 7th ed. St. Louis: Mosby/Elsevier; 2011.

Swartz, Textbook of physical diagnosis, 5th ed.
Philadelphia: Saunders; 2006.

Materials: None for lecture (see lab syllabus for lab materials)

Method of Instruction: Lecture, peer teaching, handouts, audio-visual teaching aids, review quizzes.

Evaluation/Grading Criteria: There will be 500 points total for the course.

Midterm exams: Week 4: & Week 7: 100 points each	200 points
Visual identification test: Week 10, see description below	100 points
Final Exam (comprehensive)	200 points
Quizzes (on Canvas and in class)	0 points

The quizzes will be for review, they will not count toward the course grade. Occasional pop quizzes may be given in class for bonus points.

Grades and the Grading System Final Grades are available online through the CAMS student portal. If there are any questions on grading procedures, computation of grade point average, or the accuracy of the grade report, please contact the Registrar's Office or the Office of Academic Affairs. Grades will be reported and evaluation will be based on the Academic Policies, Procedures, & Services. Please refer to Evaluation Policy (**Policy ID: OAA.0007**)

In order to maintain **Satisfactory Academic Progress**, a student must maintain a 2.0 or better in each and every course. **Any grade less than a C must be remedied by repeating the class.** Please refer to Satisfactory Academic Progress (**Policy ID: OAA.0006**)

Attendance: Please refer to Attendance Policy (**Policy ID: OAA.0002**)

Conduct and Responsibilities: Please refer to the Personal Conduct, Responsibility and Academic Responsibility Policy (**Policy ID: OAA.0003**)

Make-up Exams: Please refer to Make-up Assessment Policy (**Policy ID: OAA.0001**)

Request for Special Testing: Please refer to Request for Special Testing (**Policy ID: OAA.0004**)

Accommodation for Students with Disabilities:

If you have approved accommodations, please make an appointment to meet with your instructor as soon as possible. If you believe you require an accommodation, but do not have an approved accommodation letter, please see the Academic Counselor Lori Pino in the Office of Academic Affairs. Contact info: Lpino@lifewest.edu or 510-780-4500 ext. 2061. Please refer to Service for Students with Disabilities Policy (**Policy ID: OAA.0005**)

Electronic Course Management:

Canvas is LCCW's Learning Management System (LMS). Canvas will be used throughout the quarter during this course. Lectures, reminders, and messages will be posted. In addition, documents such as the course syllabus and helpful information about the class project will be posted. Students are expected to check Canvas

at least once a week in order to keep updated. The website address for Canvas is <https://lifewest.instructure.com/login/canvas> Please refer to the Educational Technologies Policy (**Policy ID: OAA.0009**)

Visual identification test:

A photographic identification exam on dermatology and ear, eye, nose, and mouth conditions will be given during week 10 of the quarter. Pictures will come from the EENT book on reserve in the library (A guide to the use of diagnostic instruments in eye, ear, nose and throat examinations. Skaneateles Falls: Welch Allyn; 1991.) and Wolff, Fitzpatrick's Color Atlas and Synopsis of Clinical Dermatology, 6th ed. New York: McGraw Hill Medical; 2009 (on reserve in the library).

Refer to the list of skin disorders and EENT conditions posted in the modules section of Canvas and be able to visually identify (and correctly spell) each condition listed. Students are advised to begin studying for this examination early in the quarter. Many of the pictures will **not** be shown in class, so the student is responsible for independently learning the visually identifying characteristics of these conditions.

Approximately 1/2 of the images will be skin conditions and approximately 1/2 will be EENT.

Spelling errors=1/2 credit. Fill-In format. Visual recognition only.

Students must arrive for the start of the exam or they will not be allowed to take the exam (unless they successfully petition for a make up exam). Once the instructor has begun giving the exam instructions, any student not present will not be permitted to enter the exam room.

Course Goals:

The goal of this course is to prepare the student to be able to perform a competent and thorough examination of the eyes, ears, nose, mouth, throat, lymphatics, and skin; to understand proper instrumentation procedures; and to develop an understanding of examination findings associated with cranial nerve lesions, ear, eye, nose and throat disorders and common dermatological conditions in order to enhance the student's differential diagnosis skills and ability to make appropriate clinical referrals.

Course Objectives:

Week 1:

Introduction to course, syllabus, class rules & equipment
Describe the procedures for the class and the required equipment.
Outline the timeframe for obtaining equipment and give dates for exams.
Discuss the study guide of skin, eye, ear, nose and mouth conditions that will be tested on the end of the quarter visual identification test.

- Week 2:** Cranial Nerves
Review in depth the functions of the cranial nerves.
Describe the examinations of the cranial nerves, how to interpret the examinations, and the significance of positive examination findings.
- Week 3:** Nails, lymph nodes, thyroid gland and skin terminology.
Describe the anatomy of the nails and the normal examination findings.
Describe how various conditions may affect the nails and how to diagnose these conditions based on inspection and palpation findings.
Describe normal and abnormal lymph node findings.
Describe palpation of the thyroid gland and normal and abnormal findings.
Introduce descriptive terminology for skin lesions.
Eye examination
Review terminology related to external inspection of the eyes.
Describe the pupil light reflex and related cranial nerve lesions.
- Week 4:** **Midterm 1**
Eye examination continued
Describe and show photographs of external eye conditions and discuss their clinical significance.
Review the internal anatomy of the eye.
Explain the risk factors and screening tests for glaucoma.
Compare and contrast open angle and closed angle glaucoma.
Discuss the appropriate referrals for each type of glaucoma.
- Week 5:** Describe and show photographs of retinal pathologies.
Describe the findings associated with hypertensive retinopathy, diabetic retinopathy and macular degeneration.
Describe the findings associated with cataracts, central artery and central vein occlusion, retinal detachment, and increased intracranial pressure.
- Week 6:** Ear examination
Review the external ear anatomy.
Describe inspection and palpation of the external ear.
Describe inspection findings and abnormalities of the ear canal.
Review the anatomy of the middle and inner ear.
Describe the inspection findings of the normal and abnormal tympanic membrane.
Describe the examination findings that would suggest acute serous otitis media, acute suppurative otitis media and chronic suppurative otitis media.
Describe acute toxic labyrinthitis, meniere's disease, and other causes of vertigo.
- Week 7:** **Midterm 2**
Ear, Nose, and Mouth examinations

Continue description and illustration of ear conditions.
Review terminology and previously discussed conditions.
Review anatomy of the nose.
Describe normal and abnormal exam findings of the external and internal nose.
Describe conditions causing rhinitis.
Review anatomy of the mouth and throat.
Describe inspection and palpation findings for the mouth.

Week 8: Mouth and Throat examinations; Dermatological conditions
Describe conditions of the lips, teeth, gums, mandible, hard palate, and mucosa.
Describe bacterial and viral pharyngitis.
Review cranial nerves IX, X, and XII.
Describe causes and terminology for breath odors.
Describe conditions of the tonsils.
Describe causes for hoarseness and conditions of the vocal cords.
Describe conditions of the tongue; review cranial nerve XII.
Describe conditions of the salivary glands.
Review skin terminology.
Begin discussion of select dermatological conditions.

Week 9: Describe select dermatological conditions.
Discuss the role of the chiropractor in managing dermatological conditions.

Week 10: Headaches reading assignment: article in note packet about headaches. Study questions to accompany article posted on Canvas.
Review previously covered conditions and answer any questions.

Visual Identification Exam

Students must arrive for the start of the exam or they will not be allowed to take the exam (unless they successfully petition for a make up exam). Once the instructor has begun giving the exam instructions, any student not present will not be permitted to enter the exam room.

Student Learning Outcomes (SLO):

The student will be able to:

- Identify and differentiate disorders of cranial nerves, the head and neck including the thyroid gland, trachea, and lymph nodes, the skin, nails, eyes, ears, nose, throat, and paranasal sinuses. [PLO: 1, 3, 8]
- Evaluate patient presentations based on signs, symptoms and examination findings and determine the appropriate referrals for conditions that fall outside the scope of chiropractic practice. [PLO: 1, 3, 5, 8]
- Interpret the examination findings of the cranial nerves, thyroid gland, lymph nodes, skin, nails, eyes, ears, nose, throat and paranasal sinuses and differentiate normal from abnormal

findings. [PLO: 1, 2, 3]

- Describe the significance of abnormal examination findings. [PLO: 1, 2, 3, 10]

Program Learning Outcomes (PLO): Students graduating with a Doctor of Chiropractic degree will be proficient in the following:

- 1. ASSESSMENT AND DIAGNOSIS:** An assessment and diagnosis requires developed clinical reasoning skills. Clinical reasoning consists of data gathering and interpretation, hypothesis generation and testing, and critical evaluation of diagnostic strategies. It is a dynamic process that occurs before, during, and after the collection of data through history, physical examination, imaging, laboratory tests and case-related clinical services.
- 2. MANAGEMENT PLAN:** Management involves the development, implementation and documentation of a patient care plan for positively impacting a patient's health and well-being, including specific therapeutic goals and prognoses. It may include case follow-up, referral, and/or collaborative care.
- 3. HEALTH PROMOTION AND DISEASE PREVENTION:** Health promotion and disease prevention requires an understanding and application of epidemiological principles regarding the nature and identification of health issues in diverse populations and recognizes the impact of biological, chemical, behavioral, structural, psychosocial and environmental factors on general health.
- 4. COMMUNICATION AND RECORD KEEPING:** Effective communication includes oral, written and nonverbal skills with appropriate sensitivity, clarity and control for a wide range of healthcare related activities, to include patient care, professional communication, health education, and record keeping and reporting.
- 5. PROFESSIONAL ETHICS AND JURISPRUDENCE:** Professionals comply with the law and exhibit ethical behavior.
- 6. INFORMATION AND TECHNOLOGY LITERACY:** Information literacy is a set of abilities, including the use of technology, to locate, evaluate and integrate research and other types of evidence to manage patient care.
- 7. CHIROPRACTIC ADJUSTMENT/MANIPULATION:** Doctors of chiropractic employ the adjustment/manipulation to address joint and neurophysiologic dysfunction. The adjustment/manipulation is a precise procedure requiring the discrimination and identification of dysfunction, interpretation and application of clinical knowledge; and, the use of cognitive and psychomotor skills.
- 8. INTERPROFESSIONAL EDUCATION:** Students have the knowledge, skills and values necessary to function as part of an inter-professional team to provide patient-centered collaborative care. Inter-professional teamwork may be demonstrated in didactic, clinical or simulated learning environments.
- 9. BUSINESS:** Assessing personal skills and attributes, developing leadership skills, leveraging talents and strengths that provide an achievable expectation for graduate success. Adopting a systems-based approach to business operations. Networking with practitioners in associated fields with chiropractic, alternative medicine and allopathic medicine. Experiencing and acquiring the hard business skills required to open and operate an on-going business concern. Participating in practical, real time events that promote business building and quantifiable marketing research outcomes
- 10. PHILOSOPHY:** Demonstrates an ability to incorporate a philosophically based Chiropractic paradigm in approach to patient care. Demonstrates an understanding of both traditional and contemporary Chiropractic philosophic concepts and principles. Demonstrates an understanding of the concepts of philosophy, science, and art in chiropractic principles and their importance to chiropractic practice.