

## SYLLABUS

**Name of Course:** Regional Anatomy II – ANAT-138/638 (lec/lab)

**Length of Course:** 3 units, 44 hours (4 hours lecture)/ 1.5 units, 30 hours (lab)

**Course Description:** This course examines the anatomy of the head and neck. The general structure and actions of the muscles, as well as the anatomy of the viscera, cranial cavity, and neurovascular distribution, will be studied. The relationships of these structures will be stressed to provide the student a functional understanding of body mechanisms.

**Prerequisites:** ANAT-137

**Corequisites:** ANAT-638

**Course Offered by:** Basic Science Department

**Required Text:** Class Notes  
Clinically Oriented Anatomy, by Moore, Dalley and Agur, 7<sup>th</sup> ed., 2014

**Recommended Texts:** Color Atlas of Anatomy, by Rohen, Yokochi and Lutjen-Drecoll, 7<sup>th</sup> ed., 2011  
Atlas of Human Anatomy, by F. Netter, 6<sup>th</sup> edition, 2014  
Grant's Atlas of Anatomy, by A. Agur and A. Dalley, 13<sup>th</sup> edition, 2012  
Atlas of Anatomy, by A. Gilroy, B. MacPherson, L. Ross, 2<sup>nd</sup> edition, 2012

**Reference Text:** Gray's Anatomy, By Standring, 40<sup>th</sup> ed., 2009

**Methods of Instruction:** Instructional methods and materials will include lectures, handouts, reading assignments, models and prosected specimens

### **Evaluation/Grading Criteria:**

Grading for this class will include:

<u>Exams</u>	<u>% of Grade</u>	<u>Date</u>
Midterm	50	Week 5
Final	50	Finals Week

### **GRADES WILL BE ASSIGNED ACCORDING TO THE FOLLOWING SCALE:**

- A - 4.0; 100 - 90%
- B - 3.0; 89 - 80%
- C - 2.0; 79 - 70%
- F – 0.0; 69% or below. Must repeat the course

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.00007**)

**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.00006**)**

**Attendance:** Please refer to Attendance Policy (**Policy ID: OAA.00002**)

**Conduct and Responsibilities:** Please refer to the Personal Conduct, Responsibility and Academic Responsibility Policy (**Policy ID: OAA.00003**)

**Make-up Exams:** Please refer to Make-up Assessment Policy (**Policy ID: OAA.00001**)

**Request for Special Testing:** Please refer to Request for Special Testing (**Policy ID: OAA.00004**)

**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](mailto:Lpino@lifewest.edu) or 510-780-4500 ext. 2061. Please refer to Service for Students with Disabilities Policy (**Policy ID: OAA.00005**)

**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.00009**)

**Course Goals:** The goal of this course is to allow the student to gain knowledge on the subject of human anatomy as it relates to the regions of the head and neck. The class will expose the student to basic anatomical structures with an emphasis placed on their relationship to clinical relevance therefore assisting the student to be better prepared for the clinical experience at LCCW.

**Course Outline:**

**Week One:**

Introduction to the course

Neck: Cutaneous innervation, muscles, deep fascia and subdivisions

**Week Two:**

Neck: Cutaneous innervation, muscles, deep fascia and subdivisions

Neck: Blood vessels and nerves. Thyroid and parathyroid glands

**Week Three:**

Neck: Blood vessels and nerves. Thyroid and parathyroid glands

**Week Four:**

Face and scalp

Introduction to the brain, its blood supply, cranial nerves and meninges

**Week Five:**

Introduction to the brain, its blood supply, cranial nerves and meninges

**MIDTERM EXAM**

**Week Six:**

Orbit and eye

Temporal and infratemporal fossae

**Week Seven:**

Temporal and infratemporal fossae

Pterygopalatine fossa

**Week Eight:**

Nasal cavity and paranasal sinuses

Oral cavity

**Week Nine:**

Oral cavity

Pharynx

**Week Ten:**

Larynx

Ear

**Student Learning Objectives:**

1. Describe the anatomical features of the muscles of the head and neck. [PLO 1, 8]
2. Describe the anatomical features of the bones and articulations of the head and neck. [PLO 1, 8]
3. Describe the anatomical features of the cranial and spinal nerves of the head and neck. [PLO 1, 8]
4. Describe the anatomical features of the blood and lymph vessels of the head and neck. [PLO 1, 8]
5. Describe the anatomical features of the viscera and organs of the special senses of the head and neck. [PLO 1, 8]
6. Discuss the clinical relevance of the structures of the head and neck. [PLO 1, 3, 8]

**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.