

## SYLLABUS

<b>Name of Course:</b>	Clinical Learning Lab 2 HC 302-01
<b>Length of Course:</b>	Lecture: .75 units, 10 hours; Lab: .75 units, 10 hours (plus a minimum of 3 hours of clocked Health Center hours)
<b>Course Description:</b>	This course has been designed to correlate and integrate material that will prepare the student for development of their clinical and professional skills and obligations. An orientation to the Health Center: the facilities, policies and procedures, and proper patient protocol. The student is provided the Health Center manual and is instructed in the application of policy and procedure in regard to the laws of the state of California, the CCE and LCCW standards, and proper patient protocol.
<b>Prerequisites:</b>	Clinically Inspired Learning I -IV Portfolio Assignments (CIL) HC-301 Clinical Learning Lab 1 ANAT-118/618 Spinal Anatomy I w/lab ANAT-111/611 Skeletal Anatomy ANAT-110/610 Systemic Histology w/lab PHYS-115 Cell Physiology TECH-116 Palpation CPP-106 Chiropractic History and Principles CPP-515 Clinical Information Literacy I CPP-117 Principles of Chiropractic Philosophy ANAT-137/637 Central Neuroanatomy w/lab ANAT-126/626 Regional Anatomy I w/lab ANAT-128/628 Spinal Anat II w/lab PATH-120 General Pathology CPP-113 Entrepreneurship TECH-135/635 Subluxation Analysis w/lab PHYS-122 Systemic Physiology PHYS-622 Sys Physiology Lab ANAT-114 Peripheral Neuroanatomy ANAT-138/638 Regional Anatomy II CHEM-121 Biochemistry I TECH-130/630 Diversified I w/lab ANAT-125 Embryology CPP-516 Clinical Information Literacy II CHEM-133 Biochemistry II PHPA-131 Neuromuscular Physiopathology I PHPA-213 Gastrointestinal Physiopathology TECH-123/623 Gonstead Analysis w/lab TECH-238 Diversified II TECH-216 Biomechanics of the Spine CPP-215 Perspectives of Chiropractic Philosophy ANAT-219/719 Regional Anatomy III w/lab DIAG-228 Case History 1A

**Co-requisites**

CHEM-223 Basic Nutrition  
PHPA-212 Neuromuscular Physiopathology II  
PATH-132 Microbiology  
ACS-309 Radiology IA  
PATH-632 Microbiology Lab  
ACS-809 Radiology 1A Lab  
TECH-211/711 Gonstead A w/lab  
PHPA-224 Cardiovascular Physiopathology  
TECH-233 Toggle Recoil  
TECH-082 Biophysics I  
DIAG-119 Introduction to Diagnostic Principles

**Course Offered by:**

Health Center, Clinical Education Department

**Required Text:**

All class notes will be provided on the Canvas Learning Management System (LMS) under the Clinical Learning Lab-1 page. The course lead instructor and guest presenters may provide students with hard copy as well as electronic versions of their presentation material.

Current Health Center Manual available as a file on this course's Canvas page.

*Differential Diagnosis and Management for the Chiropractor*, 5<sup>th</sup> ed, Souza 2016

**References:**

Canvas LMS Posted Reference documents

**Materials:**

Laptop, Chromebook, MacBook (Computer access)

**Method of Instruction:**

Class presentation, discussion & demonstration, Case Based Learning, Care and Management Plan participation and file completion

**Evaluation/Grading Criteria:**

This is a pass/no pass (P/NP) course grade. If a student does not complete all requirements by the end of finals week (week 11), he or she will receive an Incomplete for Clinical Learning Lab 2.

The following criteria must be completed and where appropriate completed at a level of competent/proficient as graded by the licensed faculty overseeing the execution of a Care and Management Review (CMR) that meets all LCCW, state and CCE requirements.

- **Observations of Patient Related Activities:** It is mandatory that each student complete all Health Center observation requirements in order to pass Clinical Learning Lab 2. The completed observation form is due by Friday of the 10th week of the quarter.

- Management of Health Center files for patients
- Mock Patient Exercise
- Clocked Hours: 3 hours must be clocked on the Health Center time clock located at the Records Room. This time can only be clocked during Health Center hours when the student is not scheduled to be in classes or accruing time in a work study position.
- Examinations:
  - The Policies and Procedures Mid-Term must be passed with a grade of 70% or higher.
- Quizzes & Assignments:
- Assignments: Case Studies
- Course Attendance: Attendance requirement must be satisfied with LCCW standard.
- Cumulative Grade: MUST OBTAIN a 70% cumulative grade in all coursework to receive a grade of Pass.
  - Midterm            40%
  - Final                40%
  - Quizzes             20%

Grades and 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](mailto: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. Please refer to the Educational Technologies Policy (**Policy ID: OAA.0009**)

### **Overlaps:**

Please refer to the Academic Policies, Procedures, & Services. Please refer to Evaluation Policy (**Policy ID: OAA.0007**)

### **Course Goals:**

The purpose of this course is to help the student interns learn the best methods for assimilating the information gathered during the doctor/patient interaction. The student will be able to assimilate this data into a cohesive narrative report complete with case management plan, prognosis, and goals of care. The skill set developed here is the record keeping format and communicative devices utilized through the entire clinical experience.

The course will orient the student to the policies, procedures, physical facilities, and forms of the Health Center. Also covered will be the Health Center requirements and the progression of classes and examinations necessary to complete the chiropractic internship at LCCW. The student is responsible for **all** information in the Health Center manual.

### **Course Objectives:**

Lecture and laboratory objectives reflect one another. That is, lectures provide an overview of the work that is done in the laboratory setting.

### **Student Learning Outcomes (SLOs):**

1. The student intern will understand the basis of asking questions to ascertain pertinent information when taking a patient's history. (PLO: 1,4)
2. The student intern will understand the basis for developing an Initial Clinical Impression including probable diagnosis and differential diagnosis after taking the patient's history. (PLO: 1, 4)
3. The student intern will understand why certain examinations should be performed based on the information obtained during the history. (PLO: 1, 4)
  4. The student intern will understand the basis for determining the Final Clinical Impression (Diagnoses/Problems List) after completing the patient's examination and reviewing x- rays. (PLO: 1, 2, 4)
  5. The student will become familiar with the Health Center facilities as well as the operations of the Front Desk, Records Room, Student Health Center and outpatient care areas of the Health Center. (PLO 3A, 4A)
6. The student will acquire a foundational understanding of the policies and procedures of the Health Center. (PLO 4C, 4D, 8B-E)
  7. The student will demonstrate knowledge of the clinical subjects required to begin patient care. (PLO 1A-E, 2A-G, 3A-C, 5A-C, 7A-D)

8. The student will demonstrate professional behavior in all interactions in the Health Center. (PLO 4A-D, 5A-C, 8B, 8D-E, 9, 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.