

SYLLABUS

Name of Course:	Motion Palpation – TECH-129
Length of Course:	1 unit, 20 hours, 2 hrs. /week
Course Description:	This course is an introduction to joint play analysis emphasizing the motion palpation system. Fixation theory (Gillet) is presented and discussed. Major emphasis is on the spinal articulations.
Prerequisite:	TECH-116
Corequisite:	TECH-124
Course Offered By:	Technique Department
Required Text:	Handouts provided
Recommended Text:	Schafer RC. <i>Motion Palpation & Chiropractic Technic</i> . 2 nd ed. 1990
Reference Text:	Gillett H. <i>Belgian Chiropractic Research Notes</i> . 1984
Materials:	Plastic spines recommended, Notes should be taken in class.

Life West Technique Lab Attire Policy:

Technique Lab Attire Policy:

All students are required to follow the policy outlined in this section. Failure to wear proper attire or follow the guidelines may result in being counted as absent for that lab and / or not being allowed to participate. Please notify the instructor if you have any health concerns (skin conditions, injuries, etc.) or other issues that may hinder your ability to comply to these guidelines.

Keep in mind that everything we ask and expect of students is focused on clinical practice and providing a safe professional environment not only for the students in the lab, but eventually for the patients under your care.

Healthy clean hygiene is expected from all students. Common courtesy and mutual respect suggests you do not show up wearing the same gym clothes you wore during your daily workout. It is recommended that students bring a face cloth and / or towel to place on the table. Towels maintain sanitary standards and reduce the need for the use of chemical sanitation treatments on the adjusting tables. Plus, vinyl can be cold and uncomfortable to lie on at times.

- **For Men:** A crew neck T-shirt with sleeves, long pants / sweats or shorts kept at the waistline and covering all underwear (also required)



- **For Women:** A T-shirt with a slit cut up the back (or patient gown) with a bra underneath (no sports bras, please), long pants / sweats or shorts kept at the waistline and covering all underwear (also required) NOTE: An instructor may waive the cut T-shirt or patient gown portion in any given course.
- To maintain modesty and a professional environment, no low cut or revealing attire is permitted.
- **Covered shoes** (sandals and flip flops do not qualify) **are required for all participants.**

The bottom line is we need to be able to easily palpate the spine for specific landmarks and structures. If you have any questions or concerns as to whether an article of clothing meets the criteria for lab attire check with the instructor before the lab begins.

GRADES: Technique Department Grading Scale

Midterm	40%	93 - 100	A – 4.0
Final	50%	84 – 92	B – 3.0
Quizzes	10%	75 – 83	C – 2.0
		0 – 74	F – 0.0 Student must retake 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.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**)

Course Objectives:

The purpose of this course is to give the student of Chiropractic an applied study of the biomechanics and chiropractic functions of the human spine via motion palpation analysis. During the course the Instructor will;

1. Explain the biomechanical rationale for a specific chiropractic adjustment based on specific vectors.
2. Explain and demonstrate a procedure for conducting a spinal motion palpation examination and the concept of motion as an accurate functional assessment of the spine.
3. Explain and demonstrate graphically and physically how these motions occur.
4. Explain and demonstrate a rational approach for assessing the spine and ribs pre-adjustment and post-adjustment using motion palpation.
5. Explain and demonstrate to the student how to integrate a sound chiropractic philosophy into the everyday classroom setting and the process of thinking like a chiropractor.

Course Outline:

- Week 1:** Introduction to the course, review of syllabus, class rules, etc. Introduction to motion palpation concepts and application overview. Demonstration of motion palpation analysis of the lumbar and thoracic vertebra 6 ranges of motion followed by instructing the student how to perform the 6 ranges of motion and student practice.
- Week 2:** Quiz on week 1 information. Review of lumbar and thoracic vertebra 6 range of motion using motion palpation analysis. Introduction to static misalignment listings and how to interpret motion palpation findings into static misalignment listings. Introduction to motion palpation General Scan analysis with instructor demonstration. Student instruction and practice of the General Scan of pelvis.
- Week 3:** Quiz on static misalignment listings and interpreting motion palpation findings into static misalignment listings. Review of lumbar and thoracic 6 range of motion using motion palpation analysis. Review of General Scan of pelvic analysis followed by demonstration of general scan of lumbar, thoracic and cervical. Student instruction and practice of General Scan.

- Week 4:** Quiz on static misalignment listings and interpreting motion palpation findings into static misalignment listings. Introduction to and demonstration of rib (costotransverse joint, and intercostal space) motion palpation analysis followed by instructing the student how to perform the rib motion palpation and student practice. Review of General Scan and applying it with the lumbar and thoracic vertebral motion palpation followed by student practice.
- Week 5:** Quiz on static misalignment listings and interpreting motion palpation findings into static misalignment listings. Review and student practice of General Scan analysis. Review for Practical Mid-term Examination. (The exam is on motion palpation of lumbar and thoracic vertebra and motion palpation of ribs - costotransverse joint and intercostal space.)
- Week 6:** **Practical Mid-term Examination:** (The exam is on motion palpation of lumbar and thoracic vertebra and motion palpation of ribs - costotransverse joint and intercostal space)
- Week 7:** **Tuesday Class:** Quiz on static misalignment listings and interpreting motion palpation findings into static misalignment listings. Instruction on locating the cervical articular process from the spinous process. Introduction to and demonstration of motion palpation analysis of the cervical vertebra 6 rom followed by student instruction with practice of cervical 6 rom motion palpation. General Scan review and student practice of General Scan. Continued student practice of lumbar and thoracic 6 rom as time allows.
Thursday Class: Quiz on static misalignment listings and interpreting motion palpation findings into static misalignment listings. Instruction on locating the cervical articular process from the spinous process. Introduction to and demonstration of motion palpation analysis of the cervical vertebra 6 rom followed by student instruction with practice of cervical 6 rom motion palpation. Introduction to and demonstration of occiput on atlas motion palpation analysis followed by student instruction and practice of occiput on atlas motion palpation. General Scan review and student practice of General Scan. Continued student practice of lumbar and thoracic 6 rom as time allows.
- Week 8:** **Tuesday Class:** Quiz on static misalignment listings and interpreting motion palpation findings into static misalignment listings. Introduction to and demonstration of occiput on atlas motion palpation analysis followed by student instruction and practice of occiput on atlas motion palpation. Review and student practice of previous motion palpation material.
Thursday Class: Thanksgiving Break. Make-up TBD
- Week 9:** Possible quiz on static misalignment listings and interpreting motion palpation findings into static misalignment listings. Review for Practical Final Examination.
- Week 10:** **Final Exam**

Student Learning Outcomes (SLO):

At the end of this course the student will be able to:

1. Demonstrate a practical knowledge of the structure and function of spinal vertebrae and ribs as it applies to motion palpation [PLO: 1]
2. Demonstrate a practical knowledge of when it is appropriate to incorporate motion palpation analysis in an Initial New Patient Examination and Re-examination and treatment plan [PLO: 1, 2]
3. Demonstrate a motion palpation General Scan and motion assessment of the lumbar, thoracic, rib and cervical areas [PLO: 1, 2, 4]
4. Determine through motion palpation analysis if a patient has vertebral and/or rib restriction/fixation [PLO: 1, 2, 4]

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.