

SYLLABUS

Name of Course:	Biogeometric Integration I (TECH-198)
Length of Course:	30 hours (1.5 Units)
Course Description:	This elective course offers instruction on the application of the Biogeometric Integration approach to assessing and adjusting human beings in a clinical setting. The course will complement the existing techniques taught at LCCW by offering students a working model of the geometric tensegrity of the body to help them discern which approach to utilize for a given individual patient. Bio-geometric Integration is not a technique, but rather an understanding of the philosophy, science and art of chiropractic based on contemporary science. It integrates concepts of quantum theory, force dynamics, tone, tensegrity, fractal biology, bio-dynamics and systems biology.
Prerequisites:	TECH-124/624, TECH-135/635
Course Offered By:	Technique Department
Required Text:	<i>BGI Elective Manual, Sue Brown, DC</i> <i>The Architecture of Life, Scientific American, Donald E. Ingber</i> <i>Subluxation and Chaos Theory, Sue Brown, DC.</i>
Reference Text:	<ul style="list-style-type: none">• Stephenson, (1927) Chiropractic Text Book• Graham Scarr, (2014) Biotensegrity: The Structural Basis of Life• Jean-Claude Guimberteau, (2015) Architecture of Human Living Fascia• Thomas Myers, (2014) Anatomy Trains• Hans Jenny, (2001) Cymatics: A Study of Wave Phenomena & Vibration
Materials:	None Required
Method of Instruction:	Lecture and practical demonstration of the principles and adjusting logic. Student will get hands on experience during every class.

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 suggest you do not show up wearing the same gym clothes you wore during your daily workout. It is recommended that students bring a 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.
- **For Women:** A crew neck T-shirt with a bra underneath.

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.

Technique Department Elective Policy:

NOTE: All electives at LCCW are pass / no pass. Any student who drops or does not pass an elective will not be eligible to take an elective the following quarter.

In accordance with technique department regulations Elective classes must be passed with at least 75% successful completion rate of the required assessments.

Grading/Evaluation:

Weekly Quiz and Assessments:

Each student will be required to demonstrate proficiency (75%) in each of the following areas of knowledge by taking weekly quizzes on the following and other assorted topics:

1. Assessing and Establishing Tonal Continuity (25 points)
2. Mapping Subluxation Tracks and Focal Points (25 points)
3. Functional Knowledge of the Correlate Geometry for the Posterior System (25 points)
4. Adjusting Logic: correlation of indicators to determine primary subluxation (25 points)

Midterm written test:

Potential Energy Theory of Subluxation (100 points)

Final Examination:

- Final Protocol Application (100 points)
- Final Adjustment Force Applications (100 points)
- Final written test (100 points)

Total possible points: 500

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:

Students will be able to perform and explain a chiropractic adjustment utilizing the basic concepts of the BGI approach. Students demonstrate the BGI Adjusting Logic and associated procedures of BGI with peer and instructor feedback. The core BGI concepts conveyed by the class include:

- 1.) The Potential Energy Theory of Subluxation as set forth by Sue Brown, DC.
- 2.) The classification of Subluxation as dominantly expressing in a particular tissue type.
- 3.) The fundamentals of Tonal palpation.
- 4.) Palpating Tonal Disconnections and Establishing Tonal Continuity prior to adjusting.
- 5.) Understanding and utilizing the concepts of Subluxation Tracks, Focal Points, and Rapport and Matching the Tone while adjusting.
- 6.) Understanding and utilizing the Posterior Correlate Geometry of the body and the anatomical landmarks associated with it.
- 7.) The BGI Adjusting Logos and how to apply it.

Weekly Schedule

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Week	Lecture	Lab
1	Introduction to Course and Concepts	Establishing Continuity
2	Potential Energy Theory of Subluxation	Subluxation Tracks
3	Classification of Subluxation	Palpating tissue systems
4	Subluxation Tracks	Palpating and mapping tracks
5	Intro to Posterior Geometry	Anatomical Landmark Palpation
6	Midterm Written	Midterm Practical
7	BGI Adjusting Logic	Correlating Indicators
8	Applications to Chiropractic Techniques	Diversified, Gonstead, Toggle, Drop
9	Comprehensive Quiz	In class graded adjustment
10	Final Written	Final Practical
<i>Order of topics subject to revision based on class size and needs of students.</i>		

Student Learning Outcomes (SLO): At the completion of the BGI elective course, a student should be able to:

1. Describe the Potential Energy Theory of Subluxation and its relationship/relevance to other chiropractic models of subluxation.
2. Be able to classify subluxations by dominant tissue type.
3. Be able to palpate tonal discontinuities and determine optimal strategies for establishing tonal continuity prior to adjusting.
4. Be able to palpate and describe global subluxation tracks and their correlating focal points, geometric distortions and optimal patient positioning prior to adjusting.
5. Be able to determine types of rapport and be capable of matching tone during adjusting.
6. Understand and utilize the Posterior Correlate Geometry and the BGI Adjusting Logic when determining sequence of adjusting.

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.