

GONSTEAD B SYLLABUS

NAME OF COURSE: Gonstead B – TECH-222/722(lab)

LENGTH OF COURSE: 1.5 Units, 32 Hours (1 hour lecture, 2 hours lab per week)

COURSE DESCRIPTION: Gonstead B provides a continuation of the work of Dr. Clarence Gonstead introduced in Gonstead A. The course is based on analysis of the patient using; skin temperature instrumentation; static and motion palpation, visualization, inspection, radiographic line marking and analysis and patient presentations and/or conditions. **The course includes specific analysis and corrective adjustment procedures for the Thoracic and Cervical spine with basic patient case management.**

The course has the following lecture and laboratory components:

Lecture

Basic Gonstead Concepts:

- Level Disc Concept
- Instrumentation of the spine including the heat measuring Nervoscope
- Visual, Static and Motion Palpation Indicators
- X-ray Marking and Misalignment Listing System: Thoracic, Cervical and Occiput.
- Basic Patient Management

Laboratory

Practical application of the correction procedures for Subluxations of the: Lumbar, Thoracic and Cervical Spine (including Occiput) using the Knee-Chest Table and Cervical Chair.

PREREQUISITES: TECH-211, TECH-216

COURSE OFFERED BY: Technique Department

DEPARTMENT OBJECTIVE: To give to our students, freely and out of abundance, the best of our knowledge and skills. To develop the most talented of chiropractors that they may with skill, both find and correct the vertebral subluxation. To do this for the overall betterment, health, and well-being of their patients and the world.

REQUIRED TEXT: Casey: Gonstead A & B Course Notes

RECOMMENDED TEXTS: Herbst: Gonstead Chiropractic Science and Art
Plaugher: Textbook of Clinical Chiropractic: A Specific Biomechanical Approach

MATERIALS: X-ray marking pencil, radiographic parallel ruler and a skin marking pencil are required for lab. Students are required to wear attire that allows their backs to be exposed during labs. A plastic spine with pelvis and Nervoscope (or GO scope or other spine-reading instrument) are recommended for lab. Students are required to have a copy of their spinal x-rays for exam correlation in all labs.

METHOD OF INSTRUCTION: Lecture presentations, video training, handouts, and clinical radiographic presentations, adjusting "set-ups" and supervised adjusting.

METHOD OF GRADING: Lecture is valued at 2.0 units and lab at 1.5 units for a total of 3.5 units. The course will be weighted in points for a total of **250 points**. Following is the point allocation toward final grade:

Lab:	50 points	Midterm Practical
Lecture:	40 points	Midterm Written
Quizzes:	30 points	Weekly Video Quizzes
Lab:	50 points	Final Practical
Open Lab:	40 points	8 Open Labs
Lecture:	40 points	Final Written
(Comprehensive)		

Note: All students are required to participate in lab during set-ups and during examinations as both an adjuster and a mock patient. Exceptions will only be allowed with specific documentation.

MATERIALS & TECHNIQUE LAB ATTIRE POLICY:

Healthy clean hygiene is expected from all students. It is recommended that students bring a face cloth and/or towel to place on the table. Towels reduce the need for the use of chemical sanitation treatments on the adjusting tables.

Accessibility to the Spine and Spinal Structures:

- Patient gown - In an effort to recreate a clinical setting and to appropriately facilitate the realistic use of skills relative to professionalism and personal boundaries, "gowns" made of torn or altered t- shirts/garments are not acceptable for this course.
- To maintain modesty and a professional environment, no revealing attire is permitted.
- Covered shoes (sandals and flip flops do not qualify) are required for all participants.

Materials Required:

Patient Gown (preferably waist length)

Skin Marking Pencil

Please check with your instructor for any further instructions for your particular course or if you have any concerns about the appropriateness of specific articles of clothing.

- Copies of your own x-rays with the DACBR report and *current* CMR from clinic. Copies may be requested from your intern
- Plastic Spine

Open Lab requirement: For a final grade for this course, each student must show evidence of having completed five (5) pelvic, lumbar, thoracic and/or cervical examinations and the appropriate corrective adjustment(s) using Gonstead protocol. They must be signed off by a supervising doctor during the quarter either in OPEN LAB, or during your scheduled lab with prior permission by the lab instructor and if time permits. **This requirement must be completed to pass the course.** The requirement must be completed on at least **four (4) different people. A total of eight (8) Open labs will be required, a maximum of two (2) can be set-up only, and will be required to be completed at various times during the quarter. The required eight (8) must be completed by end of week 10.**

In accordance with technique department regulations BOTH the lecture and lab portions of this class **must be passed with at least 75%. (The lecture and lab grades are combined for a final, single grade.)**

Technique Department Grade Scale:

93-100%	315-350 points	A - 4.0
84-92%	294-314 points	B - 3.0
75-83%	263-293 points	C - 2.0
Below 75%	the student 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.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**)

PRIMARY COURSE OBJECTIVES:

1. Demonstrate an understanding of the science, methodology, and basic proficiency in the practical application of Gonstead concepts, analysis and correctional adjustments to the thoracic and cervical spine using the Knee Chest Table and Cervical Chair.
2. Achieve student comfort and proficiency with the Gonstead method such that it becomes a motivating factor for the student Intern to utilize the technique in providing chiropractic care to patients of the Health Center.

SPECIFIC COURSE OBJECTIVES: (Note: Students should refer to Gonstead B Weekly Plan)

WEEK 1 Lecture: Introduction to the course, review syllabus, etc. Begin **Thoracic (T12-T1)** subluxation analysis, (patient presentation, visualization, instrumentation, static and motion palpation and x-ray,) and adjusting protocols with case management examples.

Lab: Patient analysis, (patient presentation, visualization, instrumentation, static and motion palpation and x-ray,) and adjusting for **Thoracic (T12-T1)** subluxations using the Knee-Chest Table.

WEEK 2 Lecture: Continue **Thoracic (T12-T1)** subluxation analysis and begin **Cervical (C7-C2)** subluxation analysis (patient presentation, visualization, instrumentation, static and motion palpation and x-ray,) and adjusting protocols with case management examples.

Lab: Continue patient analysis, (patient presentation, visualization, instrumentation, static and motion palpation and x-ray,) and adjusting for **Thoracic and Cervical (C7-C2)** subluxations using the Knee-Chest Table and Cervical Chair.

WEEK 3 Lecture: Continue **Thoracic (T12-T1) and Cervical (C7-C2)** subluxation analysis, (patient presentation, visualization, instrumentation, static and motion palpation and x-ray,) and adjusting protocols with case management examples.

Lab: Patient analysis, (patient presentation, visualization, instrumentation, static and motion palpation and x-ray,) and adjusting for **Thoracic (T12-T1) and Cervical (C7-C2)** subluxations using the Knee-Chest Table and Cervical Chair.

WEEK 4 Lecture: Review for Mid-Term Examination: **Thoracic (T12-T1 and Cervical (C7-C2)**

Lab: Review for Mid-Term Examination: **Thoracic (T12-T1 and Cervical (C7-C2)**

WEEK 5 Lecture: Mid-Term Examination: **(Weeks 1 – 4)**

Lab: Mid-Term Examination: **(Weeks 1 – 4)**

WEEK 6 Lecture: Continue **Thoracic (T12-T1) and Cervical (C7-C2)** subluxation analysis, (patient presentation, visualization, instrumentation, static and motion palpation and x-ray,) and adjusting protocols with case management examples. Introduce **C1 (Atlas)** subluxation analysis, (patient presentation,

visualization, instrumentation, static and motion palpation and x-ray,) and adjusting protocols with case management examples.

Lab: Continue patient analysis, (patient presentation, visualization, instrumentation, static and motion palpation and x-ray,) and adjusting for **Thoracic, Cervical (C7-C2) and C1 (Atlas)** subluxations using the Knee-Chest Table and Cervical Chair.

WEEK 7 Lecture: Introduce **Occiput** subluxation analysis, (patient presentation, visualization, instrumentation, static and motion palpation and x-ray,) and adjusting protocols with case management examples.

Lab: Continue patient analysis, (patient presentation, visualization, instrumentation, static and motion palpation and x-ray,) and adjusting for **Thoracic, Cervical (C7-C2,) C1 (Atlas) and Occiput** subluxations using the Knee-Chest Table and Cervical Chair.

WEEK 8 Lecture View and discuss Gonstead videos for **Thoracic, Cervical and Occiput** concepts, patient case management and corrections.

Lab: 1. **Patient analysis**, (patient presentation, visualization, instrumentation, static and motion palpation and x-ray,) and adjusting for **Thoracic, Cervical (C7-C2,) C1 (Atlas) and Occiput** subluxations using the Knee-Chest Table and Cervical Chair **and/or ...**
2. **Open Lab** to provide student, in-class patient care utilizing all policy and procedure of the Open Lab

WEEK 9 Lecture: Guest Lecture to discuss the practical application of thoracic and cervical patient cases and/or Research and Validation of the Gonstead Technique as described in the Textbook of Clinical Chiropractic

Lab: 1. **Laboratory Final Examination Review (Weeks 1 – 8) and/or...**
2. **Open Lab** to provide student, in-class patient care utilizing all policy and procedure of the Open Lab

WEEK 10 Lecture: Lecture and Laboratory Final Examination Review

Lab: Final Examination (Week 1 – 9)

WEEK 11 Lecture: Comprehensive Final Examination (Weeks 1 – 10)

Note: **The required five (5) Examinations-Adjustments must be completed by end of Week-10.**

STUDENT LEARNING OUTCOMES:

Upon completion of Gonstead B, the student will be able to:

1. Explain and understand the concepts and/or differences between subluxations and compensations in the cervical and thoracic spines.
2. Competently examine the thoracic, lower and upper cervical spines, using Gonstead protocol of history, visualization, instrumentation, static & motion palpation, and x-ray analysis for vertebral subluxation complex and to determine a specific listing.
3. Properly mark x-rays for Thoracic, Lower and Upper Cervical subluxations.
4. Demonstrate an accurate, mock set-up, using Gonstead protocol, for Thoracic Spine adjustments on the Knee Chest Table.
5. Demonstrate an accurate, mock set-up, using Gonstead protocol, for Lower Cervical, Atlas and Occiput adjustments in the Cervical Chair.
6. Understand and demonstrate the understanding of facet orientation and plane of the disc for specific adjustments in the thoracic and cervical spines with minimal force and so not to injure the patient or doctor.
7. Relate concepts and principles of adjusting the thoracic and cervical spine to CAD (Cervical Acceleration and Deceleration) injuries.

The following PLO's are mapped to this course: [1, 2]

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.