

TEXAS
Chiropractic College

5912 Spencer Highway
Pasadena, Texas 77505
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Trimester: Spring 2012
Course Title: Palpation II
Course Number: CH2213
Course Hours: 60 Hours (Lecture 1 hour, Lab 3 hours)
Course Credits: 2.5
Course Days/Week and Time: Lecture: T 8-9 in L-205
Lab A: W 9-10(LB-3), Th 8-9(LB-2), F 8-9(LB-2)
Lab B: T 2-3(LB-2), W 8-9(LB-3), F 12-1(LB-2)

Contact Information:

Course Instructor: Bradley R. Koby, B.S., D.C., C.C.S.P.

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Edvance360: <http://Edvance360.com/txchiro>

General Course Description:

This course is designed to provide a detailed didactic and practical exploration of the assessment of motion of the spine through palpation. With the integration of static and motion findings, the student is expected to begin to formulate diagnostic impressions.

Pre-requisites: CH1213 Palpation I

Co-requisites: CH2220 Spinal Biomechanics

Course Materials:

Required Readings / Texts and or Articles:

Chiropractic Technique by Bergmann and Peterson, 3rd Ed., Elsevier /Mosby 2011

Edvance 360 Address: <http://edvance360.com/txchiro>

CCE / TCC Competencies:

CCE Clinical Competencies		TCC Clinical Competencies	
Physical Examination	Doctor-Patient Relationship	Communication	
Neuromusculoskeletal Examination	Professional Issues	Referral / Collaborative Care	
Diagnosis	Ethics and Integrity	Special Populations	
Record Keeping			

Learning Outcomes:

At the completion of this course, the student should be able to:

- a. Appreciate the need to explain what will be done when examining, palpating and ultimately administering the chiropractic adjustment or manipulation, discuss risks, and recognize the potential for patient apprehension and concern;
- b. Be aware of the need to accommodate patient privacy and modesty;
- c. Be aware of the need to reassess and modify chiropractic assessment appropriate to the needs of the patient.
- d. Appreciate the normal and abnormal structural and functional articular relationships;
- e. Be aware of the pathophysiology and methods of evaluating articular biomechanics;
- f. Palpate specific anatomical landmarks associated with spinal segments and other articulations;
- g. Select and effectively utilize static and motion palpation along with other appropriate diagnostic methods to identify dysfunction of the spine and/or other articulations and structures of the human body;
- h. Predict how joint dysfunction affects the kinetic chain

Learning Objectives:

At the completion of this course a student should be able to:

- a. Distinguish normal from abnormal tissue texture
- b. Evaluate symmetry in the position of structures
- c. Detect and assess variations in range and quality of movement
- d. Distinguish joint range of motion end feel
- e. Examine and evaluate normal and aberrant function in spinal and extremity articulations
- f. Assimilate information from a palpatory exam and then to begin formulate a differential diagnosis
- g. Diagnose a functional versus anatomic short leg through the application of limited orthopedic tests
- h. Predict how joint dysfunction affects the kinetic chain
- i. Predict how leg length inequality affects the kinetic chain
- j. Identify palpatory landmarks
- k. Demonstrate basic concepts of gaining rapport with patients
- l. Describe spinal coupled motion
- m. Demonstrate multiple patient positions to perform assessments
- n. Describe normal anatomy and its relationship to joint motions
- o. Use critical thinking to predict injury and / or pathology

Teaching Philosophy:

Information will be presented in didactic and practical lab settings to develop the student's skills and understanding of the art of palpation and its relevance in the practice of chiropractic. Students will best benefit from this course by regularly attending the classes and labs. The art of palpation is an acquired skill that improves with practice and exposure to multiple differing body types. Students are encouraged to practice the palpation techniques while rotating partners constantly in labs and also to participate in lecture discussions.

Student Responsibilities:

1. Attend classes regularly, with as few absences as possible
2. Complete assigned homework in a timely manner.
3. Devote sufficient time for studying.
4. Being prepared for class and labs.
5. Treat all furniture, equipment, books, and other property with care and respect.
6. Each student is expected to actively participate in a positive manner in the learning process
7. Ask for help when needed.
8. This course emphasizes active learning. Before class, I expect you to read and think critically about the materials for the past and coming week.
9. Value the opinion of others and show respect for peers and the instructors.
10. Participate in lab and lecture discussions.
11. Gowns are **required** for all lab sessions or you will be considered absent for that lab.

Course Content and Outline:

(Subject to change due to learning issues of the class) Lecture content in bold print. Lab content in standard print.

Week 1	Lecture: Overview of Palpation , Review static Palpation I basics, Concept of rapport, Concept of motion palpation
Week 2	Lecture: Manual exam , Motion Palpation of Occiput, Motion palpation of C1, Active and passive ROMs, Seated cervical spine palpation techniques, Concepts of coupled motion
Week 3	Lecture: Cervical spine , Seated, prone and supine cervical spine palpation techniques, End Feels
Week 4	Lecture: Cervical spine continued , Seated, prone and supine cervical spine palpation techniques (continued)
Week 5	Lecture: Thoracic spine , Seated thoracic spine palpation techniques, Active and Passive ROMs, Red reflex, Skin rolling technique
Week 6	Lecture: Thoracic spine continued , Prone and sphinx thoracic spine palpation techniques, Concept of Scoliosis, Adams Test, Wall Push-up Test for scapular winging, Rib palpation and movement concepts, Listing basics (static vs. motion), General regional spine screening techniques
Week 7	Lecture: Midterm exam, Lab Practical #1 (Cervical and thoracic)
Week 8	Lecture: Lumbar Spine , Seated and prone lumbar palpation techniques, ROMs
Week 9	Lecture: Pelvis , Seated and prone lumbar palpation techniques (continued), Kinetic chain concept, Pelvic motion palpation, Concept of functional and anatomic short leg syndromes, Iliac crest height, PSIS and ASIS palpation, Supine and prone leg length checks, Long sitting test, Hip rotation test, Allis test, Standing and seated flexion test, Hip extension test, Iliac compression test, Gillet's test, Patrick's test, Yeoman's test

Week 10	Lecture: Lower Extremity , Lower Extremity motion palpation techniques, (Hip, knee, Patellofemoral, Tibio-fibular, ankle/foot, toe movements)
Week 11	Lecture: Upper extremity , Upper extremity motion palpation techniques (shoulder, elbow, wrist, hand and fingers)
Week 12	Lecture: Review
Week 13	Lab Practical # 2 (comprehensive)
Week 14	Final Exam (comprehensive)

Remember:

1. This is a tentative outline and may be altered for the benefit of the class.
2. The 15 week trimester is divided into 13 weeks of course work followed by 2 weeks of finals.

Grade Method and Scale:

TCC Grading Scale

A = 90 – 100%

B = 80 – 89%

C = 70 – 79%

F = below 70%

Method of Assessment:

Midterm Exam	25%
Comprehensive Final Exam	25%
Lab Practical #1	25%
Lab Practical #2	25%

Written midterm and final examinations will be multiple choice questions. Practicals will be performance based and timed, where accuracy and technique of palpation will be assessed, along with identifying specific palpable anatomical landmarks.

POLICY INFORMATION:

Attendance Policy:

Regular and punctual attendance of all scheduled classes and laboratories is expected. A student is subject to academic penalty if absences exceed 10%. Absences exceeding 20% subject a student to dismissal from a course. Three incidences of tardiness may constitute an absence. If justifiable cause can be shown for the absenteeism, the student may be permitted to make up missed assignments and maintain enrollment in the class. During the course of their internship, students will be required to be in attendance at the clinic throughout the normal trimester vacation periods unless the clinic is closed. The hours from these periods will be added to the student's clinic requirements.

Missed Examinations:

Students must notify faculty before missing any examination. If an examination is missed for good and sufficient reason **and** the student has notified the faculty member in advance, a make-up examination may be given subject to a fee of \$40.00. The fee for the make-up examination is a minimum of \$75.00 if a standardized patient is required for the exam. Additional required standardized patient hours may increase this \$75.00 minimum fee. All intra-term examination must be made up prior to final examinations. Missed final examinations must be made up within the first week of the next

semester. A student may be allowed a maximum of two missed examination dates for good and sufficient reason per trimester. These two missed examination dates are for all enrolled courses in a trimester, not for each individual course. Any request for additional make-up examinations will require documentation substantiating the absence and must be approved by the Dean of Academic Affairs.

Incompletes:

Course assignments and examinations must be completed prior to the final examination in that course. Assignments and examinations not completed receive a grade of zero.

Computers and recording devices:

Computers and recording devices are prohibited during lectures and labs. Noncompliance will result in disciplinary action. This is due to many students using the computers for activities not related to this class during class time and then performing poorly in practicals and examinations. I insist on this policy because I insist that you become a great doctor.

Cellular Phones and Pagers:

Electronic communication devices are to be turned off or placed in silent mode when entering the classroom and labs. This will benefit the learning environment for you, and your fellow classmates. Instructor may confiscate devices if they disrupt the class.

Guidance and Counseling:

The Guidance and Counseling Department is prepared to confidentially assist students, faculty, and staff with personal, relationship, and academic mental health-related issues. With appropriate documentation, the Director of Guidance and Counseling coordinates academic-related special needs with instructors.

Academic dishonesty will not be tolerated.

ADA policies are observed.

Note: Other important policies can be obtained from the current edition of the Student Handbook.

This syllabus may be modified at any time for the good of the order. Every effort will be made to provide as much advance notice to students if this occurs. Any modifications will also be posted on Edvance 360.