

## Syllabus

**Course Name:** Principles II

Concepts of Subluxation and Spinal Lesions

**Course Name:** CH2110

**Trimester:** Summer 2010

**Class Meets:** See Schedule

**Office number:** # 311 Hours: Monday 12 p.m., Wednesday 11am, & Friday at 11 a.m..

**Appointments must be made with faculty Secretaries**

**Phone:** 281-998-6078

**E-Mail:** [ktyer@txchiro.edu](mailto:ktyer@txchiro.edu)

**Lecture Hours:** 1 per week

**Credit Hours:** 1

**Course Description:** A continuation of study focused on the basic principles and philosophies of the chiropractic profession. The course will review chiropractic history and theory, as well as, explore neurological and physiological relationships as they relate to chiropractic terminology and hypotheses.

### **Learning Outcome:**

1. The student will have a basic knowledge of chiropractic history and the individuals that shape the profession.
2. The student will understand the spinal anatomy, simple neurology, and physiological make-up of the subluxation complex.
3. The student will comprehend hypothesis's concerning segmental dysfunction, axoplasmic aberration, compressive myelopathy, and vertebrobasilar insufficiency.

### **Learning Objectives:**

1. The student will be able to describe some of the people that influenced the profession
2. The student will be able to describe the Morikubo Trial and its effect on the profession
2. The student will be able to describe the contributions of Langworthy, Smith and Paxson to the profession
3. The student will be able to describe the contributions of Willard Carver to the profession
4. The student will be able to describe the contributions of Hugh Logan to the profession
5. The student will be able to define the Intervertebral Subluxation Hypothesis
6. The student will be able to define the Compressive Myelopathy Hypothesis
7. The student will be able to define the Nerve Compression Hypothesis

8. The student will be able to define the Vertebrobasilar Arterial Insufficiency Hypothesis
9. The student will be able to define the Segmental Dysfunction Hypothesis
10. The student will be able to define the Facilitation Hypothesis
11. The student will be able to define the Neurodystrophic and Axoplasmic Aberration Hypothesis

**Methods of Instruction:** Power-point presentations; some lectures will be used for discussion in class. Chapter reading assignments will be utilized in individual testing, group discussion and testing. Some materials are located on scholar 360.

**Evaluation:** Five individual (IRAT) exams worth 5% of the students grade and 5 group (GRAT) exams worth 50% of the students grade. Midterm exam worth 22% of students grade and final exam worth 23% of the students grade.

Example: average of GRAT scores  $80 \times 50 = 4000/100 = 40$  points  
average of IRAT scores  $50 \times 5 = 250/100 = 2.5$  points  
midterm scores  $80 \times 22 = 1760/100 = 17.60$  points  
final scores  $60 \times 23 = 1380/100 = 13.80$  points  
Total Grade 73.9

(90-100) A, (80-89) B, (70-79) C, (BELOW 70) F

**Attendance:** Regular and punctual attendance at all scheduled classes is expected. A student is subject to academic punishment. Absences exceeding 20% (3 classes) subject to dismissal from the course. Three incidences of tardiness constitute an absence (arriving 15 minutes after class starts.)

**Examinations:** Students must notify faculty, in advance, before missing any examination. If a **midterm** or **final** examination is missed for good and sufficient reason, a **fill in the blank** make-up examination may be given for a fee of \$45. Such examinations must be made up as per the next scheduled date in the Deans office. Other examinations (**IRAT and GRAT**) are to be taken at the scheduled class time and **no make up exams are offered! If you miss one of these exams you receive a grade of "0"**.

Text book: Leach, Robert. The Chiropractic Theories. 3<sup>rd</sup> ed. or 4<sup>th</sup> ed.  
Gatterman, Meridel. Foundations of Chiropractic Subluxation.

Course outline by topics:

1. (Week 1) Origin of Spinal Manipulation; READ: (History of the Chiropractic Theories by Leach, and Chapter 1 in Gatterman)
2. (Week 2) Lecture on The Life of D.D. Palmer & B.J. Palmer
3. (Week 3) 1<sup>st</sup> round of exams over the above topics

4. (Week 4) Lecture on Anatomy Related to Spinal Subluxation (Gatterman, Chapter 3)
5. (Week 5) Lecture continued on Anatomy Related to Spinal Subluxation (Gatterman Chapter 3)
6. (Week 6) 2<sup>nd</sup> round of exams over Gatterman Chapter 3 and power point presentation.
7. (Week 7) Lecture over Segmental Dysfunction Hypothesis
8. (Week 8) 3<sup>rd</sup> round of exams over Segmental Dysfunction Hypothesis; Read: (Leach, Chapter 9 Pages 137-142 & 146-149)
9. (Week 9) Individual Midterm over all material covered to date
10. (Week 10) Lecture over Axoplasmic Aberration Hypothesis (Leach, Chapter 18)
11. (Week 11) 4<sup>th</sup> round of exams over Axoplasm
12. (Week 12) Lecture over Compressive Myelopathy Hypothesis (Leach, Chapter 14 and power point material)
13. (Week 13) 5<sup>th</sup> round of exams over Compressive Myelopathy
14. (Week 14) Read notes over Spinal Manipulation Therapy & Vertebrobasilar Stroke
15. (Week 15) Individual Final over all material

**THE INSTRUCTOR RESEVERES THE RIGHT TO MAKE CHAGES IN THIS SYLLABUS AS NECERRARY FOR THE GOOD OF THE ORDER.**