

SYLLABUS

- Name of Course:** EPIC (TECH-184)
- Length of Course:** 3 Units, 30 hours (3.0 hour e-course/week)
- Course Description:** This elective course focuses on all aspects of applying the Evolutionary Percussive Instrument Correction Technique and procedures in patient care. Objective measures, radiographic positioning and analysis, table placement, adjusting procedures, post radiographic interpretation and patient care plans will be presented in a hybrid format that includes an online component accompanied by hands on application and integration sessions conducted in the classroom and lab.
- Prerequisites:** TECH-130
- Course Offered by:** Department of Technique/Analysis
- Required Text:** Notes will be available on Canvas (PDF)
- Recommended Text:** “Upper Cervical Subluxation Complex”, by Kirk Eriksen
- Reference Texts:** None
- Materials:** Canvas Account, Opal Rad
- Method of Instruction:** Online video lectures and labs.
- Evaluation/Grading Criteria:**

	Points	Weighted Percentage
Quizzes	80 Points	15%
Participation	70 Points	25%
X-Ray Analysis	40 Points	10%
Practice of the Week (Bonus)	40 Points (Bonus)	10% (Bonus)
Tests:	200 Points	50%
Midterm Written	50 Points	
Midterm Practical	50 Points	
Final Written	50 Points	
Final Practical	50 Points	
Totals	430 Points	110%

Quizzes:

There will be 8 quizzes done on a weekly basis. There will be no quiz done on the weeks of the midterm or final. Each of these quizzes will have 10 questions worth 1 point each for a total of 10 points per quiz. Quizzes are worth 15% of your grade.

These will be multiple choice, true/false, matching and short answer. Test questions will be derived from online notes, videos and labs. All testing will be completed online through Canvas.

These quizzes are open neighbor/notes/video/Google. You can take them as often as you need/want. The highest grade will be used for grading purposes. If you have a concern or question about a quiz contact the teacher before the quiz has ended.

NOTE: If you have not completed the quiz before the time ends, then you will not have a second chance.

Participation:

As this is an e-course, the participation grade will be done through the Canvas forum. Each week that you have a quiz, there will also be a forum discussion. These are to promote critical thinking, clinical reasoning and define your chiropractic philosophy.

To receive full points on the forum, one must do the following:

- Use 200+ words in response to the question(s) presented.
- Using references in the posts is highly encouraged.
- After the post has been submitted, reply to at least one other post done by another student. This is your turn to professionally agree or disagree with what your peer has stated.
- Your posts must use correct spelling and grammar.
- Each forum discussion is worth 10 points for a total of 70 points. This is worth 25% of your grade.

NOTE: If you have not completed the forum discussion before the time ends, then you will not have a second chance.

X-Ray Analysis:

It is requisite to analyze a sample x-ray series through opal rad. This can be done with a partner, however each person must do their own work. Once the analysis is completed, a screen shot will be taken and submitted through Canvas. Points will be allotted depending on accuracy of the analysis.

If you are unable to access the computers, then you are allowed to print off a series, scan them in (or take GOOD quality pictures of it) and submit it. An x-ray series will be available to download and print to do this.

There will be 4 x-rays to analyze. Each of these is worth 10 points for a total of 40 points. These are worth 10% of your total grade.

Practice of the Week: These will require help from a classmate. After watching the videos of the week, the homework will be to practice doing what was just taught. For instance: if you saw a video teaching your how to do a leg check, your homework could be to practice doing leg checks on 3 people.

This will be tracked through the honor code. Through Canvas you will just check off that you did the assignment. It will be obvious if you have practiced before the midterm or final.

There will be 4 of these opportunities for 10 points each for a total of 40 points. These are considered bonus points and are worth an additional 10% of your grade.

Midterm Written: This will cover EPIC concepts and history, exam procedures, and x-ray positioning. Review the videos, class notes, quizzes and homework. This will be multiple choice, true/false, matching and short answer. All testing will be completed online through Canvas.

There are 50 points possible and is worth 12.5% of your grade.

Midterm Practical: Two things will be covered in the midterm practical - exam procedures and x-ray positioning. You will have 5 minutes to perform and notate an EPIC exam correctly. You will also have 8 minutes to perform 2 x-ray views on a mock patient.

There are 50 points possible and is worth 12.5% of your grade.

Final Written: This will cover EPIC concepts and history, exam procedures, x-ray positioning, x-ray analysis, and table placement. Review the videos, class notes, quizzes and homework. This will be multiple choice, true/false, matching and short answer. All testing will be completed online through Canvas.

There are 50 points possible and is worth 12.5% of your grade.

Final Practical: Two things will be covered in the final practical - x-ray analysis and table placement. The x-ray analysis will include a full analysis of a case. You will have 10 minutes to perform 2 mock adjustments.

There are 50 points possible and is worth 12.5% of your grade.

Grade Schedule: Pass 75-100%

Below 75% is failing and course must be repeated. 75% is required in order for student to pass class and to be able to utilize technique in clinic.

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: The midterm and final practical exams **MUST** be attended. If you are unable to attend, **you will fail the class.**

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:

Upon completion of course, the student should be fully capable to employ EPIC in clinic, which includes proficiency of the following:

- Discuss and demonstrate an upper cervical exam.
- Discuss and understand the biomechanical principles behind the EPIC adjusting method.
- Understand and demonstrate X-ray positioning and analysis of all four views; Sagittal, Horizontal, Axial, and Frontal
- Demonstrate the ability to digitally analyze EPIC X-rays and understand all components of how the x-ray listing is derived
- Perform accurate and consistent leg checks.
- Place patient correctly on the adjusting table utilizing all components of the x-ray listing.
- Know how to accurately set the instrument for the adjustment
- Know how to accurately locate the contact point for placement of the stylus
- Know how to interpret post x-rays to determine effectiveness of adjustment and what changes, if any need to be made for next adjustment.
- Know how to incorporate secondary adjusting techniques for patient care.
- Know how to make safety recommendations and health care homework to the patient to enhance treatment stability and maximize stability.

Weekly Outline

<i>Week</i>	<i>Topics</i>
Week 1	Introduction
Week 2	Objective Measures & X-Ray Placement
Week 3	Review and Midterm (Saturday Lab)
Week 4	X-Ray Analysis - Sagittal/Horizontal
Week 5	X-Ray Analysis - Frontal/Axial
Week 6	Biomechanics - Basic Table Placement
Week 7	Advanced Table Placement
Week 8	Review and Final (Saturday Lab)
Week 9	Post X-Ray Analysis
Week 10	Patient Education/ROF/Care Plans/Secondary Adjustments

Weekly Detailed View

Week 1

- Go over the syllabus
- Watch Videos on Canvas
- Take the quiz
- Answer question on forum
Reply to two other students on forum
- Do the Practice of the Week

Week 2

- Watch Videos on Canvas
- Take the quiz
- Answer question on forum
- Reply to two other students on forum
- Do the Practice of the Week

Week 3 - Midterm

- Review for Midterm
- Take Written Midterm on Canvas
- Attend Saturday Lab
- Perform Midterm Practical

Week 4

- Watch Videos on Canvas
- Take the quiz
- Answer question on forum
- Reply to two other students on forum
- Do the Practice of the Week

Week 5

- Watch Videos on Canvas
- Take the quiz
- Answer question on forum
Reply to two other students on forum
- Do Practice of the Week

Week 6

- Watch Videos on Canvas
- Take the quiz
- Answer question on forum
- Reply to two other students on forum
- Do the Practice of the Week

Week 7

- Watch Videos on Canvas
- Take the quiz
- Answer question on forum
- Reply to two other students on forum
- Do the Practice of the Week

Week 8 - Final

- Review for Final
- Take Written Final on Canvas
- Attend Saturday Lab
- Perform Final Practical

Week 9

- Watch Videos on Canvas
- Take the quiz
- Answer question on forum
- Reply to two other students on forum

Week 10

- Watch Videos on Canvas
- Take the quiz
- Answer question on forum
- Reply to two other students on forum

Student Learning Outcomes (SLO):

At the completion of the TECH-184 course, a student will be able to:

1. Discuss and demonstrate an upper cervical exam [PLO: 1, 4, 9]
2. Discuss and understand the biomechanical & neurological principles behind the EPIC adjusting method [PLO: 1, 3, 9, 10]
3. Understand and demonstrate x-ray positioning & analysis of all four x-ray views [PLO: 1, 4, 6]
4. Demonstrates proper table placement with patient customization [PLO: 1, 6]
5. Know how to interpret post x-rays [PLO: 1, 2, 4, 6, 8]
6. Know how to incorporate secondary adjusting techniques for patient care [PLO: 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.