

ATLAS COLLEGE OF CHIROPRACTIC

COURSE OUTLINE AND SYLLABUS

Course Objectives

- Master the basics of anatomy and physiology, both gross and neurological, while maintaining mastery over real-world applications
- Identify how the nervous system functions—in particular, how a nerve impulse is generated, propagated and transmitted, and how musculoskeletal issues may affect these functions.
- Identify the various components of a patient's condition, including taking a thorough initial history, examining vitals, neurological examination, physical examination, palpatory assessment, etc.
- Identify sections of the spine that are of extreme importance, and the common ailments that disturb function.
- Determine the components of main sensory and motor pathways and discriminate their position in the central nervous system.
- Identify, quantify, and assess common issues from various forms of radiological examinations.
- Analyze and determine the location of a lesion of the CNS, given a set of symptoms.
- Discern between organic and inorganic pathology
- Develop sound rationale and strict guidelines for applying Chiropractic methods to patients

Course Description

A multidisciplinary approach, integrating relevant topics in neurology, radiology, anatomy, and physiology with physical manipulation skills. The course is broken down into three parts, i) Online lectures, ii) In-person technique training and iii) Clinical internship, each lasting six months (twenty-four weeks).

Lectures will be presented online both in video and powerpoint presentation styles. Coursework completion is linear and will be verified with regular online tests for comprehension analysis. Further modules of coursework will be made available only when these tests are completed with a passing grade.

Lecture Schedule

Phase I (weeks 1-8)

PHY1001 – Basic Physiology

ANA1001 – Basic Anatomy

ANA1002 – Intermediate Anatomy

NEU1001 – Basic Neuroscience
NEU1002 – Intermediate Neuroscience
CHII001 – Chiropractic Philosophy and History

Phase II (weeks 9-16)

BCN1001 – Biochemistry of Nutrition
BCN1002 – Clinical Nutrition
RAD1001 – Radiology Basics
RAD1002 – Extremities Radiology
PHY1002 – Physiopathology
PHY1003 – Lab Diagnosis
CHII002 – Chiropractic Theories

Phase III (weeks 17-24)

RAD1003 – Principles of Diagnostic Imaging
RAD1004 – Radiographic Examination
RAD1005 – Bone and Joint
PHY1004 – General Diagnosis
CHII003 – Evidence-Based Clinical Case Management
CHII004 – Chiropractic Technique Theories

In-Person Technique Schedule

Phase IV (weeks 25-32)

TCH1001 – Psychomotor Skills
TCH1002 – Palpation
PAT1001 – Patient Assessment
PAT1002 – Emergency Procedures
TCH1003 – Orthopedic Testing
TCH1004 – Neurological Testing
TCH1005 – Soft Tissue Techniques
TCH1006 – Graston/IASTM
CHII005 – Red Flags and Contraindications to Chiropractic*
CHII006 – Scientific Basis of Chiropractic*

*online coursework

Phase V (weeks 33-40)

TCH1007 – PROM, AROM, End Feel
TCH1008 – Spinal Manipulative Therapies Cervical
TCH1009 – Spinal Manipulative Therapies Thoracic
TCH1010 – Spinal Manipulative Therapies Lumbar

PSY1001 – Clinical Psychology*
CH1007 – Applied Ethics*
BUS1001 – Business and Practice Management*
BUS1002 – Introduction to Protocols*
CH1008 – Documentation*
*online coursework

Phase VI (weeks 41-48)

TCH1011 – Thompson/Drop Table Technique
TCH1012 – Extremities Manipulation
TCH1013 – Advanced Spinal Manipulation
CH1009 – The Doctor-Patient Relationship
BUS1003 – Marketing*
CH1009 – Research Methods*

Clinical Internship Schedule

Phase VII (weeks 49-56)

Introduction to Clinical Internship
Guidelines for appearance and decorum
Reporting practices
Observation hours

Phase VIII (weeks 57-64)

Internship Case Management
Regional Case Analysis

Phase IX (65-72)

Cervical Spine Manipulations – 50
Thoracic Spine Manipulations – 50
Lumbar Spine Manipulations – 50
Lower Extremity Manipulations – 25
Upper Extremity Manipulations – 25

Grading Policy

The course grade will be determined mainly by the students' performance on written/online examinations. There will be progress tests and a cumulative final examination for all coursework. In-Person Technique exams will take place during the course time, and will be graded by Senior Clinicians. **Make-up examinations** may be offered at the discretion of the instructor only if the student notifies the instructor **prior**

to the examination time. 90–100 A, 80–89 B, 70–79 C, 60–69 D. An average below 60% results in the student receiving an F and having to repeat the select course in its entirety.

Required Textbooks

Neuroscience Exploring the Brain, 2nd Edition by Bear, Connors, and Paradiso

Clinical Neuroanatomy by Waxman, 25th Edition

Netters Atlas of Anatomy

Principles of Radiology I and II, Yochum and Rowe

Chiropractic Technique: Principles and Procedures, Bergmann and Peterson

Attendance Policy

The maximum allowable absence set by Academic Affairs in all classes is 20%. Some courses may set attendance requirements at a lower allowable absence rate due to course content or structure, but may not exceed 20% allowable absence. Greater than 20% absence or noncompliance with specific attendance policies, detailed in course syllabi or the Clinical Internship manual, will result in a grade of XF being awarded, in which case the select course must be repeated in its entirety. All In-Person Technique slots are at a first come, first served basis. Coursework will be released phase by phase, so although students can complete the coursework at their own speed, preference will be given to those who have completed in the approved time frame. GPA will break any ties for advancement.

Health Clearance Policy

Atlas College of Chiropractic considers it in the best interest of students to obtain appropriate and periodic health screenings. All In-Person Technique students are required to receive a complete physical examination, which will include diagnostic imaging and laboratory examinations when clinically warranted. Based upon this information a clinician will clear the student for full, limited, or no participation in the practical/clinical classes.

If health issues are present, the student must make an appointment and have a reevaluation and an update of their case history prior to reaching the Clinical Internship portion of the program.

Students are required to report to Academic Affairs for the purpose of updating their records if any change occurs between examinations, including any formal referrals made by clinical faculty in the course of a laboratory class.

If any condition is revealed during the health clearance process that may affect a student's ability to participate fully as a patient in technique, the student must sign a release of information allowing appropriate disclosure of information to all concerned parties. Refusal to sign such a release will result in the temporary or permanent suspension of participation privileges in practical clinical classes.

When a student seeks a health exemption (saying that they cannot/should not participate or (s)he may be limited to partial participation in practical/clinical classes), (s)he must be examined by a senior clinician that the Director appoints to

perform the examination. The Director or his/her designee will perform the exam and a decision will be made regarding the extent of the exemption.

Failure to meet the health clearance requirements will prevent the student from registering for the following phase of the program.

If the student is not cleared for participation as per the technical standards of the College the student must withdraw from the course and/or the program.