

# COLLEGE OF CHIROPRACTIC

## COLLEGE OF CHIROPRACTIC

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## MISSION & GOALS

### Mission

The Mission of the Life University College of Chiropractic, centered on the Vertebral Subluxation Complex, is to educate, mentor and graduate skilled and compassionate Doctors of Chiropractic to be primary care clinicians, physicians, teachers, and professionals, using the University's core life proficiencies as their foundation.

### Goal #1

Students graduating from the College of Chiropractic will demonstrate a depth of knowledge, skills and behaviors required of competent Chiropractic primary health care clinicians and will be capable of providing safe and effective care.



### Objectives:

- A. Students will demonstrate an understanding of the history and accomplishments of the chiropractic pioneers in establishing chiropractic as a separate and distinct health care profession.
- B. Students will demonstrate an understanding of the principles of the body's innate recuperative powers, integrated with a comprehensive understanding of the relationship between the musculoskeletal structures and neurological and physiological functions of the human body, especially as it pertains to vertebral subluxation(s) and associated extra spinal articular misalignments.
- C. Students will learn to fulfill the role and responsibilities of chiropractic primary care clinicians by demonstrating competence in eliciting patient history, in performing examination procedures (physical, neuromusculoskeletal, radiographic, laboratory, and chiropractic) and integrating those findings to create a diagnosis and assess the need for chiropractic care and/or further diagnostic studies in the development of effective and appropriate case management plans.
- D. Students will demonstrate the ability to administer competent, effective chiropractic care focusing particular attention on the correction and management of vertebral subluxation(s), with a professional understanding of the underlying principles that support the science and art of adjusting.

- E. Students will demonstrate the ability to counsel patients appropriately with regard to the restoration, maintenance, and promotion of optimal health.

## **Goal #2**

Graduates of the chiropractic program will demonstrate knowledge of the business practices in the chiropractic office setting.

### **Objectives:**

- A. Students will demonstrate knowledge and skills in office, patient, insurance, and personal injury management and documentation.
- B. Students will develop an understanding for the role of leadership in a successful entrepreneurial business setting.



## **Goal #3**

Students develop an understanding in research design and methodologies and have the opportunity to conduct research under the supervision of research faculty.

### **Objectives:**

- A. Students will demonstrate an understanding and the application of critical thought in the review of healthcare literature.
- B. Students will demonstrate the ability to integrate research into a capstone experience.

## **Goal #4**

Graduates of the chiropractic program will develop their leadership skills in the areas of community service and professional citizenship.

### **Objectives:**

- A. Students will demonstrate an understanding of the value of community service by actively participating in the community and outreach activities.
- B. Students will demonstrate an understanding of the value of professional citizenship by actively participating in state and national professional associations.

## Introduction

### LUCC Primary Health Care Clinician Definition:

“A primary care clinician is an individual who serves as a point for direct access to health care delivery; the doctor of chiropractic’s responsibilities include: (1) patient’s history; (2) completion and/or interpretation of physical examination and specialized diagnostic procedures; (3) assessment of the patient’s general health status and resulting diagnosis; (4) provision of chiropractic care and/or consultation with continuity in the management, or referral to other health care providers; and (5) development of sustained health care partnership with the patients.”

At Life University, the Doctor of Chiropractic Program prepares students to be primary care clinicians who possess the knowledge, attitude and skills required to provide a portal of entry into the health care system. The clinician’s main focus is the body’s innate adaptive and homeostatic response to internal and external stimuli. The practice of Chiropractic emphasizes the integral role of the nervous system in coordinating/facilitating this innate capacity in the preservation and restoration of health. Clinicians evaluate and facilitate biomechanical and neurobiological function through the use of appropriate diagnostic assessment, chiropractic case management and care procedures. Particular focus is placed on the identification and management of the vertebral subluxation and the enhancement of health through preventive, corrective and rehabilitative practices. Clinicians demonstrate the ability to employ skills and judgment necessary to establish a diagnosis in order to formulate a prognosis, modify and apply the proper corrective techniques, and develop a proper patient care plan. They possess case management skills for a variety of symptomatic (both musculoskeletal and non-musculoskeletal) and non-symptomatic presentations. Clinicians are prepared to integrate chiropractic care into the health care delivery system. They have the responsibility of acknowledging precautions/contraindications to chiropractic care and making appropriate decisions related to continuity in patient co-management or referral to other health care providers. They also educate other health care professionals as to the benefits of Chiropractic.

We center our curriculum strongly upon the chiropractic paradigm -- that Chiropractic is a separate and distinct healing science, art, and philosophy. Our curriculum and its didactic presentations are primarily health-based, stressing the human organism’s self-healing capacity when structural and neurological interference are removed. At Life University, we place particular emphasis on the importance of restoring and maintaining structural and neurological integrity.

We affirm Chiropractic as a non-duplicating health care profession, empowering individuals to attain optimal health and peak performance.

Life University students also teach patients how to attain and maintain balanced function of the spinal column and nervous system through spinal hygiene, a patient spinal health improvement system.

## CAREER INFORMATION

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Historically, the chiropractic profession has been open and available to all qualified and interested persons, regardless of sex, race, or creed.

In the health care marketplace, Chiropractic has been a powerful and highly competitive force. Public acceptance and consumer confidence in Chiropractic is at an all-time high. As public understanding of the positive benefits of chiropractic care increases, so does consumer demand for chiropractic services.

As a primary contact health care profession, Chiropractic needs only to point to private sector demand and marketplace viability for economic validation. Thousands of American consumers spend out-of-pocket cash for chiropractic care, even when traditional medical care is available through insurance or government programs at a subsidized cost or, in some cases, no cost at all. This choice is made due to benefits received from chiropractic care.

### **Employment prospects for the graduates of the Doctor of Chiropractic program**

“Employment is expected to grow faster than average because of increasing consumer demand for alternative health care. Job prospects should be good...

Employment of chiropractors is expected to increase 14 percent between 2006 and 2016, faster than the average for all occupations. Projected job growth stems from increasing consumer demand for alternative health care. Because chiropractors emphasize the importance of healthy life-styles and do not prescribe drugs or perform surgery, chiropractic care is appealing to many health-conscious Americans. Chiropractic treatment of the back, neck, extremities, and joints has become more accepted as a result of research and changing attitudes about alternative, non-invasive health care practices. The rapidly expanding older population, with its increased likelihood of mechanical and structural problems, also will increase demand for chiropractors.”

From the Occupational Outlook Handbook, 2008-2009 edition, U.S. Department of Labor, Bureau of Labor Statistics.

### **LIFE Campus**

Life University is located at 1269 Barclay Circle, in Marietta, Georgia. It presently owns and maintains a campus of more than 95 acres with over 435,000 square feet of instructional, research, and administrative facilities. The University has the entire complement of academic resources for a complete and excellent academic environment. The classrooms range in size from tutorial rooms for twenty students to a lecture hall for more than 350 students. The facilities include anatomical dissection laboratories, as well as biochemistry and bacteriological laboratories, and facilities for standard blood and urinalysis procedures.

The Learning Resources Center consists of more than 200,000 books, periodicals, and audio-visual aids for the use of Life University faculty, students, and administration. Study rooms, tables and carrels are available to accommodate both individual and group study.



In addition to the Library designated computers for student use, there are two other computer facilities located within Annex B and Annex C in which classes are taught using computers or computer assisted instruction programs. There are 60 PC computers within these facilities. Each computer facility supports network laser printers for making hardcopy and data projectors for instruction. All computer centers are connected by a local area network and support email and the Internet. There is access to Blackboard the University's Course Management System programs, which deliver all university courses on-line from all computers on the campus network. Standard software for all student computers includes MS Office and MS Works.

Life University has two complete chiropractic health care centers on the Main Campus: The Center for Health and Optimum Performance and the Campus Center for Health and Optimum Performance. Chiropractic students, under the guidance of experienced, licensed, Doctors of Chiropractic, care for students, their families and the public at these health centers. Here students gain clinical chiropractic experience in areas of patient history, examinations, roentgenology, adjusting techniques and patient management.

## **APPLICATION PROCEDURES**

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### **General Application Procedures**

Applications for admission to Life University may be submitted via an online form, in writing to the Office of Enrollment Services (Admissions), 1269 Barclay Circle, Marietta, GA 30060, by telephoning 800.543.3202 or 770.426.2884, or by e-mailing Admissions@LIFE.edu.

### **Chiropractic Transfer Students Applicants:**

Any student wishing to transfer to Life University from another Chiropractic College must apply for admission and is subject to review by the Admissions Committee.

## General Policies: Chiropractic Transfer Students:

The applicant for transfer from one Doctor of Chiropractic Program (DCP) to another must meet the admissions requirements that were in force at the admitting DCP on the date the student originally enrolled in the DCP from which the transfer is being made.

The transfer student must complete at least the equivalent of four and two-thirds academic years (14 quarters) of prescribed study, and must have earned not less than the final 25% of the total credits required for the degree from the Doctor of Chiropractic program conferring the degree.

The following directions should be followed:

1. Completed applications are to be submitted to the Office of Enrollment Services (Admissions).
2. **There is a \$50.00 non-refundable application fee due at the time the application is submitted. Upon receipt of the acceptance letter, an additional deposit of \$350.00 is required to reserve a place in a class.**
3. Official transcripts from all of the applicant's previous college work should be sent by the Office of the Registrar of the institution(s) to the Office of Enrollment Services at Life University. International transcripts must be evaluated by an approved international evaluation agency such as World Educational Services (WES).

Some Canadian schools need not be evaluated externally. Please call the Office of Enrollment Services for the exceptions. *Students that do not provide "final official transcripts" from all previously attended institutions could be subject to delayed entry into the Doctor of Chiropractic Program (DCP).*

4. Applications are considered in the order in which they are received.
5. Any applicant or student falsifying admissions information, such as not listing colleges attended or falsely answering a question on the application, is subject to rejection or immediate academic dismissal from Life University.

### **An international student applying for admission is required to:**

Life University is approved by the United States Citizenship and Immigration Services (USCIS) to enroll international students.



International students must meet the same educational requirements as students from the United States or demonstrate academic preparation substantially equivalent to that possessed by beginning students admitted from United States institutions.

All international applicants must meet the requirements previously outlined and submit the following to Enrollment Services. **All documentation must be received at least 45 days prior to the start of the quarter.**

**1. Submit Proof or proficiency in English**

**TOEFL (Test of English as a Foreign Language)**

The TOEFL code for Life University is 5358. Applicants must score the following:  
500 or above on the paper based  
61 on the iBT  
173 on the computer based test.

**IELTS (International English Language Testing System)**

Applicants must score a minimum of a 5.5. or higher.

- 2. Official transcripts.** An official copy of all undergraduate, graduate, and professional transcripts (as applicable) showing courses, grades, and graduation date(s). Transcripts must come directly from the college / university where the coursework was accomplished and sent directly to the Office of Enrollment Services (Admissions), Life University.

International transcripts must be translated and evaluated by an approved evaluation agency. Some Canadian institutions do not need to be evaluated. Please contact Enrollment Services for a list of these colleges and universities. Contact Enrollment Services for a complete list of approved transcript evaluation agencies: The following is a sample list;

Global Education Group	<a href="http://www.globaledu.com">www.globaledu.com</a>
Josef Silny & Associates	<a href="http://www.jilny.com">www.jilny.com</a>
World Education Services (WES)	<a href="http://www.wes.org">www.wes.org</a>

- 3. Financial Resources.** Students must show evidence of having the financial resources to complete at least one year of your education. Financial resources should include tuition, books, housing and incidentals. Please contact Enrollment Services for a confidential financial statement. **This document must be dated within 6 months of applicant's anticipated matriculation date.**
- 4. Transfer Eligibility Form.** If transferring from another institution, a SEVIS transfer eligibility form is needed. Please contact the Office of Enrollment Services for a copy of this document.

*In accordance with the rules and regulations set forth by the United States Citizenship and Immigration Services, international students must be enrolled in a degree seeking program with a minimum of 12 credit hours*



*each quarter and maintain at least a 2.0 GPA. Please contact the Office of Enrollment Services for more information on maintaining your F-1 status.*

## **Criminal Record:**

All prospective or enrolled students must reveal whether they have a criminal record and cooperate by providing full information for its review as it may pertain to chiropractic education and licensure. A record of serious criminal convictions, particularly for a felony, may disqualify an applicant for licensure in most jurisdictions and likewise may disqualify the applicant for admission.

## **Application Schedule:**

A student may begin his/her course of study at Life University in any quarter as applications for admission are accepted quarterly throughout the year.

All admissions requirements should be met and all official documentation received in the Office of Enrollment 30 days (45 days for all international students) prior to the beginning of the quarter of intended matriculation.

# **FINANCIAL AID INFORMATION**

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## **Financial Aid Information**

Students receiving any type of financial aid must see a counselor for an entrance interview. Entrance interviews are held every week, by appointment only. To continue receiving financial aid, students must make satisfactory academic progress, as defined by their cumulative grade point average and the number of successfully completed courses. Financial aid applications should be completed at least three months prior to entrance.

For additional information and details about financial aid, please contact the Office of Financial Aid at 800.543.3345 or 770.426.2901. In order to apply for financial aid as a full-time student, you must be enrolled in 12 quarter-credit hours per quarter.

## **Finances**

Life University endeavors to maintain student costs of education at the lowest possible level without sacrificing quality. Although every attempt is made to offer applicable government, financial-aid programs to the students, Life University remains a private, non-profit institution and receives no direct support from government funds. (For applicable tuition and fees, see page 29)

No refund of tuition or fees is made when a student is dismissed for disciplinary reasons. Students who plan to skip one or more quarters should notify the Registrar's Office in writing.

The University and its various divisions and departments reserve the right to modify and change requirements, rules, and fees without prior notice.

# ADMISSION REQUIREMENTS

## Admissions Procedures:

For all categories of applications, the Office of Enrollment Services (Admissions) maintains communications and files. Recommendations for admission status are sent directly to the Dean of the College of Chiropractic or to the College Admissions Committee. The Dean of the College confirms recommendations for admission status, including denial.

The College of Chiropractic strives to admit a diverse student population. It is at the discretion of the Admissions Committee and / or the Dean to set additional conditions or stipulations for the acceptance, if deemed necessary.

The study of the philosophy, art and science of Chiropractic is comprehensive, challenging and demanding.

Every chiropractor is expected to be a professional leader and an example of good character and goodwill in the community. The University, therefore, has set standards for admissions.



## Doctor of Chiropractic Admission Requirements:

Life University's College of Chiropractic (COC) is committed to following the accepted standards of professional ethics, especially with respect to student recruitment and public information. The College of Chiropractic's Doctor of Chiropractic Program (DCP) supports and is in compliance with the Standards of Council on Chiropractic Education (CCE) **in regards to admission requirements.**

The Doctor of Chiropractic Program has specific prerequisites as follows:

Prior to beginning your chiropractic education, you must have completed a minimum total of 90 semester credit hours or 135 quarter credit hours of non-duplicate coursework.

Of those overall hours completed, a minimum of 48 semester credit hours or 72 quarter credit hours must be credits in the coursework listed below, with a cumulative grade point average of 3.0 or above.

**Required Coursework (each course must be earned at a 2.0 GPA or higher)**

<b>Category</b>	<b>Semester Hours</b>	<b>Quarter Hours</b>
English Language Skills	3	4.5
College Algebra (or higher)	3	4.5
Humanities	3	4.5
Social Sciences	3	4.5
Additional General Studies	12	18
Biological Sciences *	6	9
Chemistry *	6	9
Additional Life/Natural Sciences *	12	18

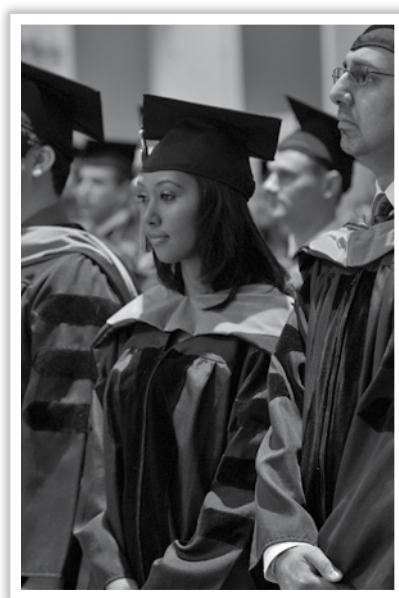
\* At least half of these courses must have a substantive laboratory component.

Survey, or non-major courses, may not be accepted. Check with your Enrollment Specialist at (770) 543-3202.

In each of the distribution areas above, if more than one course is taken to fulfill the requirement, the course contents must be unduplicated.

In situations in which one or more courses have been repeated with equivalent courses, the most recent grade(s) may be used for grade point average computation and the earlier grade(s) may be disregarded.

Credits Earned via Examination: Applicants may earn a portion of the required/pre-requisite credits through examination or means other than formal coursework, but only if these credits are identified by an institution accredited by a nationally recognized agency and if the institution has formally accepted or awarded such credits. Admission to the Doctor of Chiropractic educational program may be contingent upon receipt of such evidence of earned credits by the Admissions Department.



**Alternative Admissions Tract**

1. Allows students who have earned an academic degree in a non-science discipline, or who have completed 90 Semester Credit Hours (SCH) or 135 Quarter Credit Hours (QCH) with a 2.75 to 2.99 GPA the opportunity to enter the Doctor of

Chiropractic Program (DCP). Science disciplines include STEM (Science, Technology, Engineering and Math) degrees.

2. All eligible students will be considered on an individual basis, based on their educational transcript evaluation.
3. All eligible students will be provided the opportunity to matriculate into the DCP based on the following undergraduate preparation:
  - A. If 2.75 to 4.0 GPA with a non-science major or degree
    - i. One to two quarters of prescribed intensive science preparatory courses AND/OR
    - ii. Completion of Chiropractic College Aptitude Test (CCAT)
  - B. If the 2.75 to 4.0 GPA in 90 SCH or 135 QCH including 24 SCH or 36 QCH of pre-requisite natural and life sciences with a “C” or better.
4. Final decision for Chiropractic admissions rests with the Dean of the College of Chiropractic.

**Not sure how your credit hours line up with Life University degree requirements?**

We’re here to help. Call one of our Enrollment Specialists at (800) 543-3202 or send an email to Admissions@LIFE.edu. We’ll be glad to answer any questions you have and get you started with your career in Chiropractic.

**Suggested Pre-Chiropractic Curriculum\***

The following curricular outlines may be used as a guide to planning a schedule to complete the necessary prerequisites for admission.

Recommended subjects for high school students preparatory for Chiropractic include: Chemistry, Biology, Physics, Latin, German, or French and / or any other science courses available in the curriculum.

Students are encouraged to be proficient in written and computer literacy as part of their pre-chiropractic education.

The first outline is indicative of a quarter system, the second, a semester system.

**FIRST YEAR**

<b>First Quarter .....</b>	<b>Credit Hours</b>
Freshman English I.....	5
General Zoology or Biology I with lab.....	5
College Algebra .....	5

**Second Quarter**

Freshman English II or Principles of Communication.....5  
 General Chemistry I with lab.....5  
 Anatomy and Physiology or Biology II with lab.....5

**Third Quarter**

General Chemistry II with lab .....5  
 American Government .....5  
 Humanities Elective (Recommended English Literature).....5

**Fourth Quarter**

Physics I with lab.....5  
 Organic Chemistry I (with lab recommended) .....5  
 Humanities Elective (Recommended History).....5

**SECOND YEAR**

**First Quarter ..... Credit Hours**

Physics II/Exercise Physiology.....5  
 Organic Chemistry II/Biochemistry .....5  
 General Psychology .....5

**Second Quarter**

Health Psychology .....3  
 Introductory Sociology .....5  
 Elective (Recommended Computer Literacy).....4  
 Elective (Recommended Foreign Language) .....3

*Life University undergraduate courses are on a quarter-based system.*

An additional 45 quarter credit hours are required in order to meet the 135 quarter credit hours needed for entrance into the Doctor of Chiropractic program.

*\*The above professional pre-chiropractic curricula do not reduce the requirements of the course of study leading to the degree of Doctor of Chiropractic.*

**FIRST YEAR**

**First Semester..... Credit Hours**

Freshman English I.....3  
 General Chemistry I with lab.....4  
 General Zoology or Biology with lab .....4

College Algebra .....	3
Humanities Elective.....	3
<b>Second Semester</b>	
Freshman English II .....	3
General Chemistry with lab .....	4
Anatomy and Physiology with lab.....	4
Humanities Elective.....	3
Elective .....	3

## SECOND YEAR

<b>First Semester.....</b>	<b>Credit Hours</b>
American Government .....	3
General Psychology .....	3
Physics I with lab.....	4
Organic Chemistry I .....	4
(with lab recommended)	
<b>Second Semester</b>	
Physics II/Exercise Physiology.....	4
Organic Chemistry II/Biochemistry .....	4
Abnormal Psychology .....	3
Introductory Sociology .....	3

*Additionally, 30 semester credit hours are required in order to meet the 90 semester credit hours needed for entrance into the Doctor of Chiropractic program.*

*\*The above professional pre-chiropractic curricula do not reduce the requirements of the course of study leading to the degree of Doctor of Chiropractic.*

## Technical Standards Doctor of Chiropractic Program

Life University complies with Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, as amended and the ADAA 2008. These laws provide a framework for qualified individuals with documented disabilities to request reasonable accommodations needed to participate in a program. Reasonable accommodations are defined as adjustments or modifications that enable a qualified individual with a documented disability to participate as fully as possible in an educational program. An adjustment or modification must be reasonable and may not be provided if it would alter essential academic or technical requirements or result in undue financial or administrative burdens.

Qualified candidates with documented disabilities who wish to request accommodations under the American with Disabilities Act or the Rehabilitation Act must follow the University's procedure for requesting an accommodation. This procedure requires the submission to the Student Success Center of a written request for accommodations, along with supporting documentation from a licensed professional demonstrating the existing of a disability, the functional limitations resulting from the disability, and the need for specific accommodations. Documentation must meet specific Guidelines, which are set forth in the Student Handbook.

### **Technical Standards Procedures**

While inviting and encouraging voluntary self-identification by students with disabilities, Life University has always related to its students as responsible adults with the independent right to make such life decisions. One of those responsibilities is to work with the Student Success Center in requesting reasonable accommodations, academic adjustments and/or auxiliary aids and services pursuant to the procedures set forth in this catalog.

*Any Chiropractic candidates who self-identify their disability during any of the four stages:*

- Prior to applying for admission,
- During the application process,
- After acceptance but before attending classes,
- While currently attending classes,

*Will be referred to the Director of the Student Success Center (SSC)*

The Director of the SSC will work in concert with the Disability Advisory Committee (DAC) whenever a question arises as to an individual's ability to meet the requirements and technical standards of the specific program to which the student is applying, or in which the student is enrolled.

The DAC has been established to adjudicate this process in a timely manner. The Director of the SSC ensures compliance with policy.

### **Technical Standards for Admission**

In addition to the general requirements for admission and continued enrollment, all applicants to Life University must be able to meet and maintain the University's technical standards for the specific program for which they are applying or enrolled. Technical standards are those physical, behavioral, emotional, and cognitive criteria that an applicant must meet at the time of application to and during enrollment in that specific program at the University. These standards are essential requirements needed to participate fully and complete the entire spectrum of study, training and

experiences within an educational program offered by the University. All official clinical and academic communications will be in English.

Applicants must review the technical standards that apply to the specific educational program in which they intend to enroll. All applicants are required to certify in writing that they have read, understand, and are able to meet and maintain the standards of that program with or without a reasonable accommodation. This information is provided in order to help every applicant be aware of the required performance and expectations associated with different educational programs that the University offers.

### Chiropractic Students

Individuals who receive a Doctor of Chiropractic degree must be able to assume responsibility for providing chiropractic care to patients safely and ethically. Because the care provided by Doctors of Chiropractic touches a broad variety of clinical disciplines, the education for the D.C. degree must be broad in nature. All chiropractic students must take the full curriculum of academic and clinical courses in order to graduate with a D.C. degree. Chiropractic students must have the following abilities and skills:

**Sensory/Observation:** A chiropractic student must be able to observe and participate in demonstrations and experiments in the basic sciences including, but not limited to, demonstrations on human cadavers, animals, microbiologic cultures, and microscopic studies of microorganisms and tissues in normal and pathologic states. A chiropractic student must be able to observe a patient accurately, both at a distance and nearby, using hearing, touch and vision. A chiropractic student must also be able to perform a thorough physical examination using customary diagnostic techniques, including but not limited to auscultation (listening with a stethoscope), percussion (tapping of the chest or abdomen to elicit a sound indicating the relative density of the body part), palpation (feeling various body parts such as the spine, extremities or abdomen so as to discern the size, shape, and consistency of masses and other pathologies), visual observation sufficient to note changes such as color and condition of the skin, the eyes and other areas of the body, to use instruments such as an otoscope (magnifying device for examining the ear), ophthalmoscope (magnifying device for examining the eye), and to note subtle changes in grey scale (viewed on x-rays and other diagnostic imaging).

**Communication:** A student must be able to communicate with patients and their family members, in order to elicit information, describe changes in affect,





mood, activity, and posture and to perceive nonverbal communications. A student must be able to communicate effectively and sensitively with patients. Communication includes not only speech, but also reading and writing. The student must be able to communicate effectively and efficiently in oral and written form. In summary, a student must have verbal and written communication skills sufficient to conduct patient interviews and record clinical histories, communicate results of diagnostic findings, and make assessments and plans known to patients, their family members, and members of the health care team.

**Motor/Strength/Coordination:** A student must have sufficient dexterity and motor function to elicit information from patients by palpation, auscultation, and percussion, to perform basic laboratory tests (urinalysis, CBC, etc.), to perform diagnostic procedures including but not limited to tools of physical examination (digital exams, chiropractic instrumentation, and read EKGs and X-rays). A student must also be

able to coordinate both gross and fine muscular movements, balance, and equilibrium, in the provision of general chiropractic care. A student must be able to provide minimal emergency treatment required of healthcare providers, including the ability to perform quickly and effectively such



emergency procedures as CPR, the application of pressure to stop bleeding and the opening of obstructed airways. Examples of general chiropractic care involve the requisite strength and dexterity to be able to effectively perform procedures such as but not limited to static and dynamic palpation of joints, movement of diagnostic and therapeutic equipment and sufficient motor function to coordinate and balance the hands and body while manually delivering the thrusting action associated with the controlled chiropractic adjustments frequently applied to the spine or extremities of a patient, and providing documentation in a legible format.

**Conceptual, Integrative and Quantitative Abilities:** These abilities include but are not limited to measurement, calculations, reasoning, analysis, and synthesis. Additionally, a student must be able to comprehend three-dimensional relationships and to understand the spatial relationships of structures. Problem solving in group, individual, and collaborative settings requires all of these intellectual abilities. Testing and evaluation of these abilities in the College of Chiropractic employ examinations as an essential component of the curriculum. Successful completion of these examinations is required of all candidates as a

condition for continued progress through the curriculum. Examples of these assessments include but are not limited to essay, oral and/or extended multiple choice tests, compositions, oral presentations, and lab practicals designed to assess a variety of cognitive and non-cognitive skills in simulated or supervised clinical settings, including the ability to make a differential diagnosis. All written or word processed information must be in a comprehensible format.

**Behavioral and Social Attributes:** Students must possess the emotional health required for utilization of their intellectual abilities. Students must be able to exercise good judgment in the prompt completion of all academic and clinical responsibilities. Students must be able to develop mature, sensitive, ethical and effective relationships. Students must be able to function effectively under stress or potentially life threatening emergency care. Stressors may include but are not limited to environmental, chemical, physical, or psychological. Students must also be able to adapt to change, display poise and flexibility in the face of uncertainties and stressful situations, and to independently demonstrate empathy, integrity, compassion, motivation, and commitment commensurate with the habits and mannerisms of professional training to become a chiropractor. Students must portray attributes of professionalism that include but are not limited to honesty, caring, respect, trustworthiness, competence, and responsibility to and for their colleagues and patients.

## Admitted Students

Upon application to the Doctor of Chiropractic Program, all candidates are subject to the Technical Standards Policy as presented in this Catalog. During application, all candidates must sign a certifying statement as represented below for placement in their permanent record.

*“I hereby certify that I have read, and understand the Technical Standards Policy as listed in the Life University Catalog and am able to perform the essential and fundamental functions and tasks of the Doctor of Chiropractic Program with or without a reasonable accommodation.”*

## Current, Re-admitting and Re-applying Students

In considering a currently or formerly matriculated student with disability, the Director SSC will work in concert with the DAC, pursuant to the Policies and Procedures for Enrolled Students, under the process as published in this Catalog.

All returning students (whether re-admitting or reapplying) should sign a certifying Technical Standards document.

## ADMISSION STATUS

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### Accepted - Full Standing:

This status is assigned to each applicant whose completed record has been evaluated by the admission advisor who subsequently recommends that the applicant meets the admission requirements. This recommendation is presented to the Chiropractic Admissions Committee and/or the Dean of the College of Chiropractic. An applicant will be and is accepted by the Committee and/or the Dean with no outstanding requirements.

### Accepted - Conditional:

Applicants will be designated as “conditionally accepted” pending the receipt of their official transcripts indicating completion of prerequisite course work, or reference letters and all other requested materials. In cases in which course work is completed but delivery of official transcripts is pending enrollment may be permitted.

**If more than 30 days into the “conditionally” accepted quarter has passed without meeting all conditions, acceptance will be revoked.** If conditional acceptance status is revoked, any subsequent acceptance will be based on currently required admission requirements.

Upon completing “conditions” successfully, the applicant’s status will be converted to “full standing” acceptance status.

### Accepted - Provisional:

This status can be assigned to a chiropractic transfer applicant whose record has been evaluated by an admission advisor. Although the applicant may meet admission requirements, previous DCP transcripts demonstrate borderline academic performance. This applicant’s record is presented to the Chiropractic Admissions Committee and/or the Dean of the College of Chiropractic, and may be accepted by the Committee with certain academic performance stipulations that will be tracked over two to three quarters by the Dean’s Office. Failure to meet provisional stipulations will cause the student to be dismissed. Upon successful completion of the “Provisional Contract”, the student would be converted to “full standing” status.

### Accepted - Auditing Student Admission:

Students-at-Large wishing to audit classes at Life University may apply at the Office of Enrollment Services. Auditing placement is based upon registration seating availability. Proper paper work obtained from both the Office of Enrollment Services and the Office of the Registrar must be filed before the quarter begins. No credit is granted for courses scheduled on an auditing basis, and students are not permitted to change to or from an auditing status except through the regular procedures for admissions acceptance and registration

schedule change. The grade for auditing is “AU” for Audit and students will not be permitted to have the audit grade changed at any future date.

Auditing is available to students, staff, and faculty as well as interested persons from the general public. Students who audit a course will be charged \$100.00 per course (+ \$20.00 parking fee, as applicable). Students who wish to audit only portions of a course for course hours will be charged \$100.00 per 30 hours (+ Student fees, as applicable).

**Students who are auditing are not allowed to take tests but may, at the instructor’s discretion, observe practical /lab examinations.**

## Reactivation:

Any previously admitted Life University student, regardless of prior admission status, who voluntarily or involuntarily remains out of school for less than three consecutive quarters must first petition for reactivation at the Registrar’s Office. This petition may be referred for readmission evaluation by the Chiropractic Admissions Committee.

## Application for Readmission:

If the individual remains out for three consecutive quarters or more, for any reason, that individual must first apply for readmission (*new application and application fee required*) through the Office of Enrollment Services and their application will be evaluated for readmission by the Chiropractic Admissions Committee and / or the Dean.



Where a student has interrupted their chiropractic training for a period in excess of five (5) consecutive years, no credit shall be allowed for courses taken during previous enrollment and the matriculant, if accepted, must start the Chiropractic Program over.

A maximum time limit of eight calendar years is placed on the completion of all requirements for a chiropractic degree. Any former student petitioning for reactivation, readmission, or reinstatement (see below), who cannot be expected to complete their degree within the eight (8) calendar years must obtain a waiver of the “eight-year rule” from the Dean. This waiver must be obtained as part of the petition process or returning status may be denied.

## Reinstatement:

Students who have been academically dismissed from the College of Chiropractic as a result of not meeting satisfactory academic progress criteria and have exhausted “Dismissal Appeal Process” may apply for reinstatement into the Doctor Chiropractic program.

Condition of this acceptance is “provisional” and will be under terms of a academic contract. Failure to meet terms of the contract will result in immediate termination.

Additional procedural information is available from the Dean’s Office.

## Transfer Credit

Where a student has interrupted his/her chiropractic training for a period in excess of five (5) years, no credit shall be transferred for courses previously taken upon enrollment.

Transfer credit is granted on the basis of work completed at an institution approved by the Chiropractic Admissions Committee and / or the Dean or the Dean’s Designate. Each transferring student is required to present the following information:

1. Any Credits considered for transfer must have been awarded for courses taken in a DCP accredited by the CCE or in a program accredited as a first professional degree in one of the health sciences by another nationally recognized accrediting agency, or in a graduate program in an academic discipline closely related to the health sciences offered by an institution which is recognized by a national accrediting agency.
2. Evidence that courses are substantially equivalent in credit hours, content and quality to those given at Life University. This shall be evaluated by an admissions advisor in cooperation with the COC Dean’s Office.
3. Official transcripts from all of the applicant’s previous college work should be sent by the Office of the Registrar of the institution(s) to the Office of Enrollment Services at Life University. International transcripts must be evaluated by an approved international evaluation agency such as World Educational Services (WES). Some Canadian schools need not be evaluated externally. Please call the Office of Enrollment Services for the exceptions. *Students that do not provide*



*“final official transcripts” from all previously attended institutions would be subject to delayed or negated transfer credit.*

4. Evidence that the work has been satisfactorily completed (grade “C” or better, 2.0 on a 4.0 scale) at a chiropractic college acceptable to the Chiropractic Admissions Committee of Life University.
5. Credits accepted for transfer must have been awarded within five years of the date of admission to the receiving DCP, except that the receiving DCP may at its option accept older credits if the entering student holds an earned doctorate in one of the health sciences (e.g., D.C., M.D., D.O., D.D.S., D.P.M.) or a graduate degree in an academic discipline closely related to the health sciences.
6. Although transfer credit will be awarded for applicable coursework done at other accredited institutions, the University reserves the right to also require transfer students to audit some (key) courses. The “audits” are required to provide either specific degree (or State Law eligibility) completion requirement or to facilitate a better transition of knowledge, attitude and skills from a previous institution to Life’s Doctor of Chiropractic Program.

Students from non-CCE accredited colleges must sign a waiver stating that they understand their credits may not be accepted by all state boards.

It is the student’s responsibility to verify the awarding of transfer credit within the first quarter of the program.

## **Admissions Statute of Limitations**

An accepted applicant to the Doctor of Chiropractic program is expected to enroll in the quarter for which he/she has applied. The applicant may request to change the intended enrollment date by providing written notification to the Office of Enrollment Services regarding a change in the intended enrollment date and the change has been approved. An accepted applicant failing either to give notice and secure prior approval of a change, or to enroll within one calendar year of the quarter for which he/she was originally accepted, will be required to reapply for admission. Life University reserves the right to request any or all of the required admission materials and fees for reapplication.

## **Denied Acceptance:**

This status is assigned to each applicant whose file has been deemed completed by Enrollment, evaluated by the transcript analyst, presented to the Chiropractic Admissions Committee, and subsequently denied acceptance by the Committee and / or the Dean of the College of Chiropractic.

# COLLEGE OF CHIROPRACTIC ORGANIZATION

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Life University's College of Chiropractic (COC) provides a first professional degree, The Doctor of Chiropractic Program (DCP).

## Instructional Organization

The College of Chiropractic is divided into the following academic areas:

### A. Division of Basic Sciences

- 1) Anatomy
- 2) Biochemistry
- 3) Microbiology
- 4) Pathology
- 5) Physiology

### B. Division of Chiropractic Sciences

- 1) Analysis
- 2) Chiropractic Principles and Philosophy
- 3) Professional Practices and Business Management
- 4) Research
- 5) Technique

### C. Division of Clinical Sciences

- 1) Clinical Education (Didactic)
- 2) Diagnosis
- 3) Psychology
- 4) Public Health
- 5) Radiology

### D. Division of Clinics

- 1) Campus Center for Health & Optimum Performance – (CC-HOP) Student Clinic
- 2) Center for Health and Optimum Performance – (C-HOP) Outpatient Clinic
- 3) Department of Clinical Education (Practicum)
- 4) Department of Clinical Radiology
- 5) Department of Rehabilitation
- 6) International Clinics–International Outpatient Clinic
- 7) L.U.S.S.I.- Life University Sport Science Institute
- 8) Outreach Clinic – Special Population Outpatient Clinic
- 9) P.E.A.K. Clinic – Doctor's Office based Clinical Experience

# ACADEMIC POLICIES FOR DOCTOR OF CHIROPRACTIC PROGRAM (DCP)

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## Mastery in Learning Program

The Mastery in Learning program mandates that all students, regardless of quarter or matriculation date, who are taking any courses in the College of Chiropractic Program are required to demonstrate mastery of subject matter and must attain a course grade of “C” or higher (or “P” for pass if a course is graded pass/no pass), as applicable, in both the lecture and lab portions of a given course.

For all completed courses, only grades of “A, B, C, P, or F, NP” will be awarded in these subjects. Students who receive an “F” or “NP” in any required-for-graduation course will repeat the course the next quarter of attendance and before taking any course for which this course is a prerequisite. **All grades earned in every course** will be calculated\* in the student’s cumulative grade point average (GPA).

\*Note: Those courses that are graded Pass (P) / No Pass (NP) are not calculated toward GPA.

The academic standards of Life University are designed to ensure that students graduate only after all requirements are satisfied. Each student advances when he or she has satisfactorily mastered the subject matter. Otherwise, a student is held back to repeat coursework in which deficient skills have been exhibited.

## Examinations

Students must take all the examinations required in each class. Failure by students to take regularly scheduled examinations will be managed by the instructors at their discretion.

All examinations must either be taken at the scheduled times unless prior authorization is received from the instructor or as a result of a properly documented “excused” absence.

Upon a student’s return, arrangements for missed final exams must be made within one week of the next quarter in attendance. Failure to make-up missed exams will result in a zero for that exam.

Grades for tests given prior to the final exam must be posted within one week of the test date. Grades for final exams must be posted within two working days of the exam date. If the final exam is on Friday or Saturday the exam results must be posted no later than Monday of the following week.

Students must pass both the lecture and laboratory portions of a course before they can pass the entire course.



If at any time students violate honesty and integrity or test-taking behavior expectations during an examination, they will be subject to the disciplinary action described in detail within the Life University Honor Code, Student Handbook; some information is also provided under “Student Disciplinary Policies and Procedures” within the chapter “The Student Community.”

### Final Exam Schedules

Written final exams for courses are given the last week of the quarter in the Final Exam Center. The schedules for each exam each quarter are listed in the next quarter’s “Academic Quarterly”.



### Satisfactory Academic Progress (SAP)

Satisfactory Academic Progress (SAP) is determined by the Life University Cumulative GPA and satisfactory completion of academic course work. Students must meet minimum GPA requirements and complete each degree-required course with a limit of repeats.

Students must be on track to complete their degree program within eight years or be subject to academic restrictions for registration ranging from performance contract to Academic Dismissal.

## ACADEMIC STANDING

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### Good Standing Requirements

1. Each student must maintain satisfactory academic progress and be in “**Good Standing**” academically.
2. To be in “good standing” academically, a student must maintain a minimum cumulative grade point average of 2.0 with no outstanding or unresolved current failed “**Required-For-Graduation**” (RFG) classes.
3. Students should be on track to complete their degree program within 150% of normal program length (21 quarters) or less.
4. Each student should complete the Doctor of Chiropractic Program (DCP) and graduate within eight (8) calendar years from their Life University DCP matriculation date.

### Eight (8) Year Completion Rule

A maximum time limit of eight (8) calendar years is placed on the completion of all requirements for a degree. Each student is therefore expected to complete

the Doctor of Chiropractic Program (DCP) and graduate within eight (8) calendar years from their Life University DCP matriculation date. Appeals to this rule may be made to the Dean of the College of Chiropractic.

## Five (5) Year Hiatus Rule

When a student has a continuous interruption or hiatus of five (5) years/ twenty (20) quarters or more in their chiropractic educational training, no credit and /or transfer credit shall be allowed for courses taken from their previous enrollments prior to said hiatus. The student will be required to start their chiropractic educational training anew.

## Course Grade Scheme\*

Life University's DCP has implemented an "Averaging All" grade scheme involving repeated Coursework. All graded attempts of courses are used toward calculation of credits attempted and, except "P", "NP", or "WNP", cumulative grade point average.

## Mandatory Academic Advisement Policies

Students, with good academic standing, must meet with their academic advisor prior to registration if:

1. The student's completion rate of coursework is less than 70% of attempted credit hours.
2. The student enrolls for a *required* course more than two times without completing it.
3. The student has exceeded the eight year rule (DCP)

## Program Course Failure Policies

1. All students will be required to repeat immediately any and all "Required-For-Graduation" (RFG) courses with unresolved failing grades (F, NP, WF, WNP).

## Academic Probation and Performance Contracts

1. Failure to maintain a minimum cumulative grade point average of 2.0 will cause a student to be placed on academic probation and a performance contract **and /or**
2. Any student who has previously failed (F, NP, WF, WNP) a "Required-For-Graduation" (RFG) course two or more times will be placed on academic probation and a performance contract.

## Academic Restriction Policies\*

**Any student who originally matriculated into the COC prior to Winter 2006 and returns from more than two quarters hiatus from the program for any reason will be subject to the following academic restriction policies. Any student who has been reinstated to restart the COC after dismissal will also be subject to these policies.**

## GPA Policy

All students with less than 2.0 GPA will be evaluated.

They will be evaluated on their performance and /or contract the previous quarter

1. Those who have passed all courses and but did not achieve a 2.0 GPA will earn the opportunity to be placed on a performance contract with provisions for a quarterly GPA in order to achieve 2.0 as soon as possible.
2. Those students who did not fulfill terms of a previous contract will be terminated (dismissed) from the COC with an opportunity to appeal the outcome. If the appeal is granted, the student will return to the COC under the same conditions as they left. In the event the student does not successfully complete the contract after the appeal, no further opportunities for appeal will be granted.
3. Those students who were placed on contract due to low GPA who passed all classes, have no unresolved failed classes and have achieved above 2.0 GPA will return to “good academic standing”. If their academic progress returns to unsatisfactory levels once again, further registration into the COC will be at the discretion of the Dean and/or the COC Appeals Committee.

## Multiple Failure Policy\*

**All students with two failures (or more) of the same required course:**

The student is placed on academic performance contract with a maximum of 12 to 15 credit hours. The contract may require the student to audit (retaking previously passed pre-requisites classes and pass the examinations) courses prior to retaking a failed course, if deemed necessary.

1. If the student fails to complete the terms of an academic performance contract, the student will be terminated (dismissed) from the COC with an opportunity to appeal the outcome to the COC Dismissal Appeals Committee. If the appeal is granted, the student will return to the COC under the same conditions as they left. In the event the student does not successfully complete the contract after the appeal, no further opportunities for appeal will be granted
2. If the student passes all courses and has no other academic issues, the student returns to good academic standing. If their academic progress returns to unsatisfactory levels once again, further registration into the COC will be at the discretion of the Dean and/or the COC Appeals Committee.

## Dropping Courses &/or Programmatic Withdrawal while on a “Performance Contract”

1. Dropping Courses and/or withdrawing from the Doctor of Chiropractic Program without permission from the Dean’s Office could be a violation of the terms of a “Performance Contract” with the result that the student will be terminated from the Program.

2. The students who wish to drop a course(s) and/or withdraw from Doctor of Chiropractic Program while on academic probation or during a performance contract quarter must provide “justifiable cause” to the Dean’s Office and get permission to alter their registration and/or their performance contract. If the withdrawal is deemed “justifiable,” the student can return to the program the next quarter with the same probation/contract status.

### Academic Dismissal (AD)\*

1. A student who fails to complete satisfactorily the provisions of their current performance contract.
  - a. A “Dismissed” student will be academically terminated from the Doctor of Chiropractic Program.



### Appeal Process:

A student in the Doctor of Chiropractic Program has the right to appeal discrepancies in their Satisfactory Academic Progress to the Dean of the College of Chiropractic or designate.

### Reinstatement Policy:

Students who have been academically dismissed from the College of Chiropractic as a result of failure to meet satisfactory academic progress criteria and have exhausted “Dismissal Appeal Process” may apply for reinstatement into the Doctor Chiropractic program.

Condition of this acceptance is “provisional” and will be under terms of a academic contract. Failure to meet terms of the contract will result in immediate termination.

Additional procedural information is available from the Dean’s Office.

### Clinical Assessment and Remediation Program (CARP)

Graduates of the Doctor of Chiropractic Program (DCP) at Life University are being prepared to enter the workforce as skilled primary health care physicians. As students, they are expected to maintain a high level of academic performance throughout the DCP and to master a wide variety of knowledge, skills and attitudes. It is anticipated that some students will experience academic difficulties as they progress through the DCP. Students may seek informal assistance

through faculty mentoring, Clinic Advisement, as well as student mentoring, workshops and counseling within the Student Success Center. However, there will be students who require a more structured form of assistance to overcome academic weaknesses and it is these individuals that CARP is designed to assist.

## **CARP Objectives**

- A. To serve as a resource for faculty to refer students for academic evaluation to determine if remediation is required, or if it would be beneficial.
- B. To identify appropriate strategies to help students achieve success.
- C. To provide guidance to students who have demonstrated areas of weakness.
- D. To provide an avenue of formal remediation.
- E. To provide guidance for students regarding academic resources on campus.
- F. To provide reassessment, post remediation of student's knowledge, attitudes and skill.

## **Referral to CARP**

Referral to CARP can occur via a number of sources which include, but are not limited to: Objective Structured Clinical Examination (OSCE), Intern Quality Assessment (IQA), the LUCC Clinics, multi-failure students or low GPA students from the College of Chiropractic (CoC) Academic Advisor, faculty referrals and student self-identification. Students referred from these areas are having difficulty or have failed to meet academic expectations and as such are not progressing through the D.C. Program as anticipated.



The CARP process will provide ongoing activities designed to improve deficiencies in identified areas of weakness. These will include, but are not limited to, study skills, learning strategies, knowledge, clinical skills and critical thought as they apply to neuromusculoskeletal (NMS) diagnosis, visceral diagnosis, x-ray interpretation, x-ray positioning and chiropractic technique. The activities may involve additional evaluation/assessments, written assignments, weekly group learning, auditing of courses, one-on-one remediation or other assigned activities.

Students referred to CARP will meet with the CARP Administrator to discuss the specific referral and areas of identified weakness. A contract will be organized between the student and the CARP Administrator, outlining an action plan, specific goals and timelines for achieving the level of knowledge or skill.

## Failure to Comply with CARP Contract or Procedures

If a student arrives to an assigned CARP session unprepared or misses two sessions, they will be dismissed from CARP. The referring faculty member and the CoC Senior Academic Advisor will be notified.

# THE DOCTOR OF CHIROPRACTIC CURRICULUM

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Life University offers a multilevel approach to chiropractic education. Basic and clinical sciences are taught concurrently with a variety of chiropractic techniques. Students are permitted to provide chiropractic care to patients during their third academic year; however, they must have first learned how to analyze and report on the total health picture of the patient. The Life University curriculum is structured to help chiropractic students develop, through a logical and sequential course of study, the skill and knowledge necessary to become a primary health care clinician skilled in chiropractic patient education and management. This endeavor is accomplished through a comprehensive practical and didactic clinical experience. The importance of maintaining patient spinal structural integrity and a wellness-based lifestyle are stressed throughout the curriculum.

During the first two quarters, students are given an overview of chiropractic history, philosophy, and science while simultaneously studying the basic sciences to gain an understanding of the relationship between structure and function in the human organism. Students also begin their in-depth study of chiropractic analysis during their second and third quarters. In the fourth quarter, a student begins to merge basic science with hands-on chiropractic experience, taking courses in upper cervical specific technique and physical examination. In the fifth quarter, they begin to learn the Full Spine Technique and orthopedic evaluations. During the eighth quarter, students enter the Student Clinic. By the tenth quarter, they will have completed sufficient course and clinical work, which will qualify them to render chiropractic care in an outpatient setting.

## Suitability for Chiropractic

Faculty members should evaluate every chiropractic student's suitability for the practice of chiropractic in addition to every student's academic performance. This assessment is continuous for all chiropractic students enrolled in clinical internships and other related courses and includes, but is not limited to, the following considerations:

Each chiropractic candidate must possess the physical, mental, emotional and ethical ability to competently perform in the various clinical, chiropractic and basic sciences laboratories safely and without posing a danger to themselves

or others. In addition to the information provided concerning the “**Technical Standards Policy**” (see page 167), candidates should demonstrate the following:

- concern for the welfare of patients,
- patient rights,
- responsibility to duty,
- trustworthiness,
- professional demeanor in the clinic and classroom.

Unsatisfactory evaluations for suitability for the practice of chiropractic may affect a student’s status at Life University.

Faculty who recommend that a student may not be suitable for Chiropractic should submit this evaluation to the Executive Vice President for appropriate action by the Conduct Review Board (CRB) (or if necessary the Technical Standards Compliance Committee). This evaluation should include documentation of the events leading to that evaluation. The Director of Student Conduct will forward copies of all related documents to the student. If the documented event involves a serious offense, a student may be permanently expelled from Life University regardless of academic record.

Unsatisfactory evaluations for suitability for the practice of chiropractic of a less serious import may result in a letter of warning or probation.

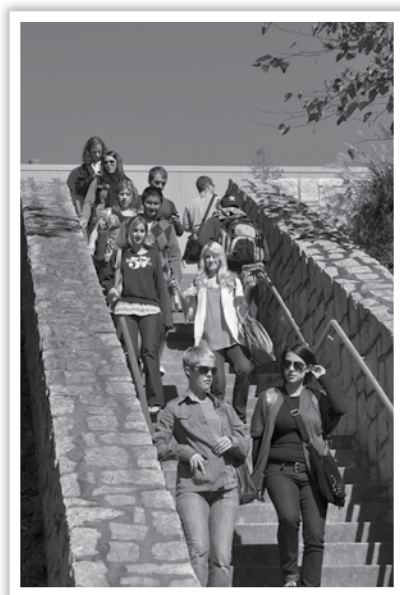
Two or more such unsatisfactory evaluations may result in permanent expulsion.

Appeal of unsatisfactory evaluations may be made to the Dean of Instruction or Dean of Clinics of the College of Chiropractic within ten (10) days of notice to the student of such evaluation, or if appropriate, notice of disciplinary action by the University. The student will be advised of the decision by the Dean in writing. The decision will be final.

### **Special State Licensure Requirements**

As of the date of this bulletin, update the following states have course requirements that are not provided within the Life University curriculum:

- **Oregon** - Requires 36 hours of instruction in Minor Surgery / Proctology which



Life University doesn't offer (For further information contact the Oregon State Board).

As of the date of this catalog, the following states have special course requirements:

- **California & Ohio** – Require documented Physiotherapeutics Practicum interaction on patients. Life University's DCP in addition to the standard 120 hours of Physiotherapeutics needed toward NBCE testing eligibility, offers two electives PUBH 5545 and PUBH 5850 through their Clinic's Department of Rehabilitation that documents at least 30 patient practicum interactions.
- **Maryland** -To practice Chiropractic with Physical Therapy, Maryland requires 270 hours in Physiotherapeutics. Life University's DCP in addition to the standard 120 hours of Physiotherapeutics needed toward NBCE testing eligibility offers an elective PUBH 5850 through their Clinic's Department of Rehabilitation that documents both an additional 150 hours of practicum and at least 30 patients interactions.

For further information concerning special NBCE board scores and / or undergraduate degree requirements, contact the chiropractic examining board of the respective state in which licensure is desired. The University's Offices of New Student Development (admissions), Student Services, the Dean's Office and the Registrar may also be used as resource locations.

Another major source of information is a booklet entitled "Official Directory of the Federation of Chiropractic Licensing Boards". This publication may be obtained by writing to: The Federation of Chiropractic Licensing Boards, 5401 W 10th Street, Suite 101, Greeley, CO 80634, or by calling 303.356.3500, faxing 303.356.3599, visit the web site <http://www.fclb.org> or by e-mailing to [info@fclb.org](mailto:info@fclb.org).

## First Year Experience Course Series

**Effective Fall Quarter, 2009**, for all new students entering the College of Chiropractic must complete the First Year Experience Course consisting of one (1) FYEX course; 1101. Student whom have matriculated to the University and entered the Undergraduate Program either may be exempted or may substitute FYE 101 (in place of 1101). *See your PASS advisor for more detail.* Completion the FYEX course (or a bona fide exemption) is required for continued enrollment and graduation.

### FYEX 1101

This course will cover topics of importance to new Doctor of Chiropractic students at Life University. Students will be exposed to items such as balancing a professional program, communication and relational skills, university policy and procedure, financial management, the 8 core proficiencies, and the concept of wellness in their own lives. Content is based on the Wellness Portfolio inherent at Life University. This course will be facilitated online.



College of Chiropractic Exemptions for the FYEX Program:

- Bachelor's degree with an overall cumulative GPA of 3.0 or above and the degree is not more than 3 years old
- Master's degree or higher and the degree is not more than 5 years old

## **Graduation Ceremony Participation Requirements**

Doctor of Chiropractic Students may participate in the graduation ceremonies if they have already completed or are scheduled to complete their requirements in the quarter in which they are graduating. (Ceremonies are to be held four times a year: March, June, September and December.)

### **Graduation Requirements:**

The Life University degree of Doctor of Chiropractic is presented to students who have fulfilled each of the following requirements:

1. Satisfactory completion of at least the equivalent of four and two-thirds academic years (14 quarters) of prescribed study, and must have earned not less than the final 25% of the total credits required from the Doctor of Chiropractic program conferring the degree
2. Satisfactory completion of all required courses and clinic requirements with a minimum cumulative GPA of 2.0
3. Recommendations for graduation by the faculty
4. Registrar Office requirements
  - a. File a petition to graduate
  - b. Completed a formal academic record review no earlier than one quarter before intended graduation
5. Student Administrative records reviews
  - a. Financial Aid Office - Exit interviews with a Counselor
  - b. Student Accounting – “Perkins” Exit interview and rectify accounting balances.
6. Freedom from all indebtedness (including library) and other obligations to the University



**\*NO DIPLOMA OR TRANSCRIPT WILL BE RELEASED UNTIL ALL FINANCIAL OR OTHER OBLIGATIONS TO THE UNIVERSITY HAVE BEEN CLEARED**

**Graduation Rates:**

Based upon all (non-transferees) Life University College of Chiropractic graduates from 2007 through March of 2010, 90.3% completed their degree within 150% of the normally expected time of study.

**Course of Study**

Courses are identified here by offering quarters, subject / department designation, four (4) digit course number, course title, lecture, lab, and credit hours.

The four (4) digit course number is designed as follows; the first digit represents the academic class level freshman = 1 through senior = 4 and electives = 5. The second digit represents the academic level equivalency from 500 - 800 used by most post baccalaureate programs and higher. The third and fourth digits represent the course identifier including level and sequence. See course descriptions below for additional information.

The following represents the current professional course of the study for the Doctor of Chiropractic Program.

**Curriculum**

First Quarter			Lec	Lab	Credit	Contact
Dept	Crse#	Course Title	Hours	Hours	Hours	Hours
CPAP	1500	Chiropractic Assembly	1	0	0	3
ANAT	1502	Embryology	2	0	2	22
ANAT	1503	Histology	4	0	4	44
ANAT	1507	Osteology and Arthrology	2	2	3	44
CHEM	1515	Biochemistry I	6	0	6	66
CHPM	1501	Personal Development I	1	0	1	10
CLIN	1501	Clinical Patient Experience I	0	1	0	11
CPAP	1502	Health Care Terminology	2	0	2	22
CPAP	1505	Intro to Phil, Sci., & Art of Chiropractic	2	0	2	22
CPAP	1525	Lifestyles for Health: Intro to Wellness	1	0	1	11
CPAP	1600	Rights and Responsibilities	.8	0	0	8
FYEX	1101	Focused on Life: DC I (online)	0	1	0	10
PHYS	1501	Anatomy and Physiology	4	0	4	44
					<b>25.00</b>	<b>317</b>

Second Quarter			Lec	Lab	Credit	Contact
Dept	Crse#	Course Title	Hours	Hours	Hours	Hours
CPAP	1500	Chiropractic Assembly	1	0	0	3
ANAT	1607	Spinal Anatomy	2	0	2	22
ANAT	1615	Muscular Skeletal Gross Anatomy	2	4	4	66
ANLS	1617	Motion and Static Palpation I	1	2	2	33

ANLS	1610	Vaso-Thermal Instrumentation	1	2	2	33
ANLS	1615	Spinal Biomechanics	2	0	2	22
CHEM	1516	Biochemistry II	5	0	5	55
CHPM	1502	Communication Skills and Diversity	1	0	1	10
CLIN	1502	Clinical Patient Experience II	0	1	0	11
CPAP	1605	History of Chiropractic	2	0	2	22
PHYS	1510	Cellular and Neuromuscular Physiology	5	0	5	55
					<b>25.00</b>	<b>332</b>

<b>Third Quarter</b>			<b>Lec</b>	<b>Lab</b>	<b>Credit</b>	<b>Contact</b>
<b>Dept</b>	<b>Crse#</b>	<b>Course Title</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>
CPAP	1500	Chiropractic Assembly	1	0	0	3
ANAT	1625	Visceral Gross Anatomy	2	4	4	66
ANLS	1618	Motion and Static Palpation II	1	2	2	33
CHPM	1503	Personal Finance	1	0	1	10
CLIN	1503	Clinical Patient Observation I	0	1	0	11
CPAP	1615	Chiropractic Principles	2	0	2	22
MICR	1531	Bacteriology and Virology	4	2	5	66
PHYS	1525	Visceral Physiology	6	0	6	66
PUBH	1517	Basic Nutrition	5	0	5	55
RADD	1611	Normal Radiographic Anatomy and Anomalies I	1	1	1.5	22
					<b>26.50</b>	<b>354</b>

<b>Fourth Quarter</b>			<b>Lec</b>	<b>Lab</b>	<b>Credit</b>	<b>Contact</b>
<b>Dept</b>	<b>Crse#</b>	<b>Course Title</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>
CPAP	1500	Chiropractic Assembly	1	0	0	3
ANAT	2626	Head and Neck Gross Anatomy	2	4	4	66
CHPM	2504	Life Coach, Sem. I: Personal Devel. I	1	0	1	10
CLIN	2504	Clinical Patient Observation II	0	1	0	11
DIAG	2725	Visceral Diagnosis	4	4	6	88
MICR	2533	Parasitology and Mycology	3	0	3	33
PHYS	2535	Physiology Lab	1	4	3	55
RADD	2501	X-Ray Physics	3	2	4	55
RADD	2612	Normal Radiographic Anatomy and Anomalies II	1	1	1.5	22
RSCH	2501	Introduction to Research Methods	2	0	2	22
TECH	2701	Upper Cervical Toggle Recoil Tech.	2	2	3	44
					<b>27.50</b>	<b>409</b>

<b>Fifth Quarter</b>			<b>Lec</b>	<b>Lab</b>	<b>Credit</b>	<b>Contact</b>
<b>Dept</b>	<b>Crse#</b>	<b>Course Title</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>	<b>Hours</b>
CPAP	1500	Chiropractic Assembly	1	0	0	3
ANAT	2646	Neuroanatomy CNS	3	2	4	55
CHPM	2605	Practice Develop. I: Pers. Marketing	1	0	1	10

CLIN	2505	Clinical Recording History and Chiro. I	0	1	0	11
DIAG	2730	Orthopedic Diagnosis	3	4	5	77
MICR	2537	Immunology and Disease Patterns	3	0	3	33
PATH	2541	Pathology I	4	0	4	44
PHYS	2545	Endocrinology	4	0	4	44
RADD	2711	Skeletal Radiology A	3	1	3.5	44
TECH	2711	Full Spine Technique I	1	2	2	33
					<b>26.5</b>	<b>354</b>

**Sixth Quarter**

Dept	Crse#	Course Title	Lec Hours	Lab Hours	Credit Hours	Contact Hours
CPAP	1500	Chiropractic Assembly	1	0	0	3
ANAT	2647	Neuroanatomy PNS	3	2	4	55
ANLS	2620	X-Ray Full Spine Analysis	1	2	2	33
CHPM	2606	Prac. Devel. II: Dr. – Pat. Relations.	1	0	1	10
CLIN	2506	Clinical Record. History and Chiro. II	0	1	0	11
DIAG	2740	Neurological Diagnosis	4	2	5	66
DIAG	2735	Clinical Laboratory Studies	3	4	5	77
PATH	2542	Pathology II	3	2	4	55
RADD	2712	Skeletal Radiology B	2	1	2.5	33
TECH	2712	Full Spine Technique II	1	2	2	33
					<b>25.5</b>	<b>376</b>

*Eligibility to Take Part I NBCE in June and December Checked*

**Seventh Quarter**

Dept	Crse#	Course Title	Lec Hours	Lab Hours	Credit Hours	Contact Hours
CPAP	1500	Chiropractic Assembly	1	0	0	3
ANLS	3715	Muscle, Gait and Posture Analysis	2	2	3	44
CLET	3757	Clinical Skills	2	4	4	66
CLIN	3507	Student Clinic Orientation	1	2	2	33
CLIN	3601	Clinical Knowledge Competency Test	0	0	0	2
CPAP	3625	Wellness and Spinal Hygiene	1	2	2	33
DIAG	3750	Special Senses Diagnosis	3	2	4	55
PUBH	3515	Public and Environmental Health	2	0	2	22
PUBH	3617	Nutrition and Health	2	0	2	22
RADD	3511	Spinal X-ray Positioning	1	2	2	33
RADD	3620	Radiology Report Writing	0	2	1	22
RADD	3713	Skeletal Radiology C	2	1	2.5	33
TECH	3713	Full Spine Technique III	0	4	2	44
					<b>26.5</b>	<b>422</b>

**Eighth Quarter**

Dept	Crse#	Course Title	Lec Hours	Lab Hours	Credit Hours	Contact Hours
CPAP	1500	Chiropractic Assembly	1	0	0	3
CHPM	3608	Life Coach. Sem. II: HIPPA & Mkt	1	0	1	10
CLET	3826	Head and Neck Clinical Case Integration	3	2	4	55
CLIN	3608	Student Clinic I Practicum	0	6	3	66
CPAP	3715	Vertebral Subluxation Theories	3	0	3	33

DIAG	3743	Gastroenterological Diagnosis	2	0	2	22
DIAG	3745	Genitourinary Diagnosis	2	0	2	22
PSYC	3505	Human Development	2	0	2	22
PUBH	3615	Emergency Procedures	0	2	1	22
PUBH	3625	Clinical Toxicology	2	0	2	22
RADD	3512	Extra Spinal X-Ray Positioning	0	2	1	22
RADD	3714	Skeletal Radiology D	2	1	2.5	33
TECH	3837	Extra Spinal Technique I	1	2	2	33
					<b>25.5</b>	<b>365</b>

**Ninth Quarter**

<b>Dept</b>	<b>Crse#</b>	<b>Course Title</b>	<b>Lec Hours</b>	<b>Lab Hours</b>	<b>Credit Hours</b>	<b>Contact Hours</b>
CPAP	1500	Chiropractic Assembly	1	0	0	3
CHPM	3609	Pract. Mgt I: Intro. to Practice. Mgt.	1	0	1	10
CLET	3828	Lumbar-Pelvic Clinical Case Integration	3	2	4	55
CLIN	3609	Student Clinic II Practicum	0	6	3	66
CLIN	3701	OSCE	0	1	0	10
CLIN	3709	Outpatient Clinic Orientation	0	2	1	20
DIAG	3755	Geriatric Diagnosis	2	0	2	22
PSYC	3605	Clinical Psychology	3	0	3	33
PUBH	3684 m	Functional Restoration and Active Care	2	0	2	22
RADD	3717	Soft Tissue Radiology A	2	1	2.5	33
RSCH	3601	Research Methods and Design	2	0	2	22
TECH	3838	Extra Spinal Technique II	1	2	2	33
TECH	3850	Adjusting Special Populations	2	2	3	44
					<b>25.5</b>	<b>373</b>

*m Required for NBCE PT Exam (1 of 3 classes)*

**Tenth Quarter**

<b>Dept</b>	<b>Crse#</b>	<b>Course Title</b>	<b>Lec Hours</b>	<b>Lab Hours</b>	<b>Credit Hours</b>	<b>Contact Hours</b>
CPAP	1500	Chiropractic Assembly	1	0	0	3
CHPM	3511	Principles of Marketing	2	0	2	22
CLET	3835	Visceral Clinical Case Integration	6	0	6	66
CLIN	3710	Junior Clinic Outpatient I Practicum	0	6	3	66
DIAG	3765	Pediatric Diagnosis	2	0	2	22
DIAG	3835	Integrated Diagnosis	0	2	1	22
PUBH	3717	Clinical Nutrition Disorders	2	0	2	22
PUBH	3725	Toxicology and Substance Abuse	2	0	2	22
RADD	3701	Radiographic Quality and Critique	0	2	1	22
RADD	3718	Soft Tissue Radiology B	3	1	3.5	44
TECH	3812	Gonstead Technique	2	2	3	44
					<b>25.5</b>	<b>355</b>

***Eligibility to Take Part II NBCE in June and December Checked***

**Eleventh Quarter**

Dept	Crse#	Course Title	Lec Hours	Lab Hours	Credit Hours	Contact Hours
CPAP	1500	Chiropractic Assembly	1	0	0	3
ANLS	4720	Advanced Instrumentation	1	2	2	33
CHPM	4611	Pract. Mgt. II: Office & Staffing Proc.	1	0	1	10
CHPM	4763	Jurisprudence	3	0	3	33
CHPM	4773	Ethics and Boundaries	2	0	2	22
CLET	4840	Extremity Clinical Case Integration	3	2	4	55
CLIN	4711	Junior Clinic Outpatient II Practicum	0	6	3	66
PUBH	4747	Obstetrics / Gynecology / Proctology	4	2	5	66
RADD	4820	Advanced Imaging	2	0	2	22
TECH	4822	Thompson Technique	1	2	2	33
					<b>24</b>	<b>343</b>

**Twelfth Quarter**

Dept	Crse#	Course Title	Lec Hours	Lab Hours	Credit Hours	Contact Hours
CPAP	1500	Chiropractic Assembly	1	0	0	3
CHPM	4520	Small Business Management	2	0	2	22
CHPM	4612	Life Coach. Sem. III: Pract. Mgt III ...	1	0	1	10
CHPM	4722	Documentation and Coding	2	0	2	22
CLET	4862	Advanced Clinical Case Integration I	3	2	4	55
CLIN	4801	OSCE	0	1	0	10
CLIN	4712	Junior Clinic Outpatient III Practicum	0	6	3	66
CPAP	4725	Advanced Wellness & Ergonomics	2	0	2	22
TECH	4841	Sacro-Occipital Technique	2	2	3	44
					6	min. 66
					<b>23</b>	<b>320</b>

*Eligibility to Take Part III NBCE in June and December Checked*

*Eligibility to Take Part IV NBCE by August and February Checked*

**Thirteenth Quarter**

Dept	Crse#	Course Title	Lec Hours	Lab Hours	Credit Hours	Contact Hours
CPAP	1500	Chiropractic Assembly	1	0	0	3
CHPM	4700	Chiropractic Practice Management	2	0	2	22
CLET	4870	Advanced Clinical Case Integration II	2	2	3	44
CLET	4874	Advanced Clinical Case Topics	0	2	1	22
CLIN	4813	Level III Clinic Practicum I	0	15	7	165
RSCH	4801	Senior. Research Presentation	1	0	1	11
TECH	4861	Technique Review	2	2	3	44
					6	min. 66
					<b>23</b>	<b>377</b>

**Fourteenth Quarter**

Dept	Crse#	Course Title	Lec Hours	Lab Hours	Credit Hours	Contact Hours
CPAP	1500	Chiropractic Assembly	1	0	0	3
CLIN	4814	Level III Clinic Practicum II	0	15	7	165
					6	min. 66
					<b>13</b>	<b>234</b>

**TOTAL 343 4937**

**OR**

Alternative Fourteenth Quarter			Lec	Lab	Credit	Contact
Dept	Crse#	Course Title	Hours	Hours	Hours	Hours
CLIN	4834	Level III Immersion Practicum	0	25	12	275
					12	275
<b>TOTAL</b>					<b>342</b>	<b>4972</b>

All required courses that make up the curriculum must be taken to earn the Doctor of Chiropractic degree.

**Electives**

*Students, in order to graduate, must satisfactorily complete a minimum of:*

1. 18 credits of electives, or
  2. 12 credits of electives, and either an Immersion or an International Clinic, or
  3. 10 credits of elective if completing a designated “Tract”.
- (See “Research Tract in DCP” below as an example and for more details)

All Students may select from any of the following elective course offerings when they complete enough coursework to achieve 10th quarter clinic status (Pre-registration for 9th quarter students going into 10th).

For those students dually enrolled in the College of Graduate Studies and Research’s (CGSR) Master’s Program, they may select from the following 56XX elective course listed below prior to beginning in their 10th quarter of study.

PUBH 5541 or PUBH 5543 may be taken after completing CLIN 3608 and PUBH 5545 may be taken after completion of both PUBH 5541 and PUBH 5543.

**Electives offered directly by Chiropractic College**

Dept	Crse#	Course Title	Lec Hours	Lab Hours	Credit Hours	Contact Hours
ANLS	5805	Network Technique TM	2	2	3	44
ANLS	5815	Selected Concepts in Biomechanics	2	0	2	22
CLIN	5833	Lvl. III Immersion Practicum Elective	0	25	12	275
CLIN	5854	Lvl. III International Practicum	0	25	12	275
CPAP	5705	Issues in Traditional Chiro. Philos.	2	0	2	22
CPAP	5805	Philos. Issues in Clin / Prof Practice	2	0	2	22
CPAP	5815	Issues in Contemporary Chiro. Philos.	2	0	2	22
DIAG	5753	Basic Eye Movements & Dysfunctions	2	2	3	44
DIAG	5757	Vestibular Functional Assess. & Rehab.	2	2	3	44
DIAG	5841	Neurol. Basis of Behavioral Disorders	2	2	3	44
DIAG	5865	Advanced Pediatric Diagnosis	2	0	2	22
PUBH	5865	Pediatric Health Challenges	2	0	2	22
PUBH	5545+	Physiotherapeutics - Clinical Practicum	0	3	0	33
PUBH	5850 <sup>tm</sup>	Physiotherapeutics - Adv Clinical Pract.	0	14	0	154
RSCH	5686	Individual Research Study*	0	12	6	120
RSCH	5701	Advance Research Study	0	20	10	200
TECH	5702	Advanced Toggle	0	2	1	22

TECH	5801	Atlas Orthogonal Technique	2	2	3	44
TECH	5811	(HIO) Upper Cervical Knee /Chest	0	2	1	22
TECH	5817	Activator Technique	2	2	3	44
TECH	5821	Grostatic Technique	2	0	2	22
TECH	5823	Advanced Thompson Technique	0	2	1	22
TECH	5831	CBP (Chiropractic Bio-Physics)	1	2	2	33
TECH	5832	Advanced Grostatic Procedure Tech.	0	2	1	22
TECH	5835	Introduction to Applied Kinesiology	2	2	3	44
TECH	5843	Technique for Cranial and Visceral Dysfunction (SOT)	2	2	3	44
TECH	5865	Advanced Pediatric Technique	2	2	3	44
TECH	5870	Cox Flexion Distraction Technique	2	2	3	44

\*Used for Research Tract only

### Electives Cross-listed From College of Graduate Studies and Research's Master's Program (MSHS)

Dept	Crse#	Course Title	Lec Hours	Lab Hours	Credit Hours	Contact Hours
ANLS	5670	Kinesiology of Sport	4	0	3	44
ANLS	5676	Biomechanics of Sport Injury	4	0	3	44
ANLS	5825	Bio-Geometric Integration (BGI)	2	0	2	22
DIAG	5650	Injury Assess. of the Lower Body	4	0	3	44
DIAG	5652	Injury Assess. of the Upper Body	4	0	3	44
PUBH	5541 <sup>m</sup>	Physiotherapeutics - Adjunctive Proc.	3	2	3	55
PUBH	5543 <sup>m</sup>	Physiotherapeutics - Rehabilitative Proc.	3	2	3	55
PUBH	5600 <sup>m</sup>	Exercise Physiology	4	0	3	44
PUBH	5612 <sup>m</sup>	Exercise Testing	4	0	3	44
PUBH	5624	Strength Training and Development	4	0	3	44
PUBH	5642	On-Field Emergency Care	2	0	2	22
PUBH	5646 <sup>m</sup>	Therapeutic Agents	3	0	3	33
PUBH	5648 <sup>m</sup>	Principles of Therapeutic Exercise	4	0	3	44
TECH	5657	Arthrokinematics and Proprioception of the Lower body	3	2	3	55
TECH	5658	Arthrokinematics and Proprioception of the Upper body	3	2	3	55
TECH	5659	Sport Chiropractic Case Management	4	0	3	44

<sup>+</sup>Clinical Therapeutic Practicum are coordinated by the Department of Rehabilitation in the Center for Health Optimum Performance (C-HOP).

<sup>m</sup>Can be use toward Maryland's PT requirement of 270 hours

### Course Load – Doctor of Chiropractic Degree

1. The minimum number of credit hours a DC student must register, to be considered full-time, will be 12 per quarter (between six and eleven credits will be part-time).



2. The University's Doctor of Chiropractic Program will expect that students complete an average of 18 credits per quarter.
3. All DC students are expected to be registered as full-time students unless they are under special contract and / or by academic restriction policy.
  - **Half-time or less = 11 credits or less (by contract or academic restriction policy only)**
  - **Minimum Full-time Load = 12 credits**
  - **Expected average completion Full-time Load = 18 credits**
  - **Maximum Full-time Load = 24-27 credits - based on class status**
  - **Maximum Overload = 31 credits**

Students may not register for more than their maximum full-time (24-27) load except for students of good academic standing. Students of good academic standing may register for a maximum of 31 hours, provided they have a cumulative GPA of 3.0 or higher and no unresolved failed courses or the student is in their last quarter of expected attendance.

All required courses must be completed at Life University unless students has been given advanced standing credit for courses of substantially equivalent credit, time, quality, and content which have been completed at an accredited college or university, or which meet a specific set of criteria with regard to elective requirements.

Students awarded the D.C. degree must have earned not less than the final 25% of the total credits required for the degree from the Doctor of Chiropractic program conferring the degree.

## **OFFICE OF SPONSORED RESEARCH AND SCHOLARLY ACTIVITY**

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### **Research and Scholarly Activity**

Life University is dedicated to a philosophy of fostering and conducting scientific research and scholarly activity by its students, staff, and faculty. The University also encourages, assists, and supports all University constituencies in their research and scholarly endeavors and will assist in the identification, procurement, management and administration of funding for these activities. OSRSA personnel endeavor to provide administrative support to faculty in their pursuit of funding for research and scholarly activity while ensuring compliance with federal, university and private sponsor regulations, terms and conditions.

The Office of Sponsored Research and Scholarly Activity (OSRSA) serves as the coordination point for all research related university grant

proposals and research protocols. The department helps to identify funding sources, assist in the preparation of proposal budget details, facilitate the administrative review and approval process, and review and negotiate contracts and agreements. We also administer the University's human subjects protection program and the Institutional Review Boards (IRB).

The OSRSA is the University's central administrative unit responsible for processing and monitoring applications for, and awards of, external funding, and overseeing the institutional review and compliance of all activities involving human subjects, vertebrate animals, and recombinant DNA. They provide information, advice and assistance in these critical areas.

The OSRSA is a service office dedicated to providing faculty and professional staff with information, advice, and assistance in the seeking of extramural funds and in awarded grant and contract management. The OSRSA is also responsible for assuring that all parties involved with extramural funding are aware of, and in compliance with, sponsor and University regulations and administrative requirements.

The OSRSA is responsible for providing seminars and workshops on sources of funding and proposal preparation. Post award grant administration is also offered.

The OSRSA advocates for and assists faculty in locating, planning and developing their plan for research and scholarly activity. The Director assists faculty in proposal writing and budget preparation, organizes proposal-writing workshops and administers internal grant programs that support faculty scholarship.

## **Research Tract in DCP**

Within the graduation requirements for the Doctor of Chiropractic, there is now a new opportunity for those students who are interested in or develop an interest in doing research while completing their Doctor of Chiropractic degree. In addition to doing research is the opportunity for additional graduation acknowledgment by completing "Research Tract" academic requirements.

The requirements for graduating and documenting the DCP "Research Tract" begins by connecting with Dr. Matt McCoy and making an application for acceptance into the "Tract." This opportunity for application can normally be made after the completion of the first six quarters of the DCP.

All individuals accepted for participation must complete a minimum 21 credit hours of research. In addition to the required (for all DCP students) research classes, other research course hours will be substituted for the following;

1. Up to 10 cr. hours from 18 electives hours
2. 6 credits from the CHPM Business classes as follows:
  - a. CHPM 4511 Principles of Marketing 2 cr.

- b. CHPM 4520 Small Business Management 2 cr.
- c. CHPM 4611 Practice Management II – Office and Staffing Procedures 1 cr.
- d. CHPM 4612 Life Coaching Seminar III – Practice Management III 1 cr.

**Therefore, the Research Tract consists of the following:**  
***Research Academics required for all students DC degree:***

- 1. RSCH 2501 Introduction to Research 2 cr.
- 2. RSCH 3601 Research Methods & Design 2 cr.
- 3. RSCH 4801 Sr. Research Presentation 1 cr.

*Additional requirements required for “Tract” students = 16 cr.*

- 4. RSCH 5686 Individual Research Study (Replaces CHPM) 6 cr.
- 5. RSCH 5701 Advance Research Study (Replaces Elect.) 10 cr.

***Total Credits for DCP Research Tract; min. 21 cr.***

Upon acceptance into the “Research Tract,” a research track graduation plan will be created, approved and signed before the plan is forwarded to the official files stored in the Registrar’s Office. Part of the plan will include courses (other than Research courses) that can be taken as independent study so that additional (other than the contracted/registered research courses) “release time” in each quarter is available for pursuing research.

For further information, contact (preferably e-mail) Dr. Matt McCoy, at MMccoy@LIFE.edu.

## **COURSE DESCRIPTIONS**

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### **DIVISION OF BASIC SCIENCES**

**Total Clock Hours: 1056**

**Total Credit Hours: 83**

Course work within the Division of Basic Sciences provides the student with a scientific education in anatomy, biochemistry, microbiology, pathology and physiology. This education is designed to enable the student to understand the scientific basis of Chiropractic and the underlying essentials for a primary health care provider

### **ANATOMY**

#### **ANAT 1502 Embryology**

**(2-0-2)**

This course is designed to study the development of the human body from earliest embryonic to fetal stages. Tissues, organs, and organ systems are emphasized. Teratology and genetic principles are included.

- ANAT 1503 Histology** (4-0-4)  
 A course designed to study microscopic anatomy with specific emphasis on cell types and organization.
- ANAT 1507 Osteology and Arthrology** (2-2-3)  
 This introductory course is designed to study the body's skeletal system in terms of structure, markings and types of joints along with strengthening ligaments. Bone formation, healing and histology are also presented.
- ANAT 1607 Spinal Anatomy** (2-0-2)  
*Prerequisite: ANAT 1502, 1503, 1507, CPAP 1502*  
 This course provides the foundation for practical application of spinal adjusting techniques by presenting the students with a working knowledge of anatomy and physiology of the spine and its supportive structures.
- ANAT 1615 Musculoskeletal Gross Anatomy** (2-4-4)  
*Prerequisite: ANAT 1502, 1503, 1507, CPAP 1502, PHYS 1501*  
 This course is an in-depth regional study of the anatomy and embryology of the back and extremities based on lecture and laboratory dissection with emphasis on the peripheral nerve plexus and pathways.
- ANAT 1625 Visceral Gross Anatomy** (2-4-4)  
*Prerequisite: ANAT 1607, 1615*  
 This course is an in-depth regional study of the anatomy and embryology of thorax, abdomen and pelvis and perineum based on lectures and laboratory dissection. Peripheral nerve pathways to the viscera are stressed.
- ANAT 2626 Head and Neck Gross Anatomy** (2-4-4)  
*Prerequisite: ANAT 1625*  
 This course is an in-depth regional study of the anatomy and embryology of the head and neck, based on lectures and laboratory dissection with emphasis on the peripheral nervous system, both cranial and spinal.
- ANAT 2646 Neuroanatomy CNS** (3-2-4)  
*Prerequisite: ANAT 2626, PHYS 1510*  
 A course designed to study the central nervous system anatomy and its function.
- ANAT 2647 Neuroanatomy PNS** (3-2-4)  
*Prerequisite: ANAT 2646*  
 A course designed to review the integration of the peripheral nervous system with other organ systems. All anatomy courses are reviewed.

## BIOCHEMISTRY

**Total Clock Hours: 121**

**Total Credit Hours: 11**

### CHEM 1515 Biochemistry I

(6-0-6)

This is a survey course intended to introduce the student to the chemistry and function of biomolecules with an emphasis on their role in human physiology. This course will lead to an understanding of the molecular basis underlying Physiology, Homeostasis, the effects of Subluxation and of its correction. Biochemistry I will also provide a foundation for future courses within Basic Sciences

### CHEM 1516 Biochemistry II

(5-0-5)

*Prerequisites: CHEM 1515*

This course is designed to give the student a broad understanding of the dynamics of metabolism, particularly as it affects human physiology. Emphasis will be on topics that are of interest to chiropractic education, such as wellness and chiropractic adjustments as effective and preventative methods for decreasing the risk factors of many diseases.

## MICROBIOLOGY

**Total Clock Hours: 132**

**Total Credit Hours: 11**

### MICR 1531 Bacteriology and Virology

(4-2-5)

*Prerequisite: CHEM 1516, CHPM 1525*

The course is designed to present fundamental concepts of general pathogenic bacteriology, virology, and community health. Major emphasis is given to the clinical manifestations, epidemiology and host/parasite relationship of bacteria and virus. The course provides a basic knowledge of what bacteria and viruses are and the biological properties that make them pathogenic. The probable mechanisms and theories of host resistance and susceptibility to opportunistic, infectious and communicable microorganisms. This course broadens the basic science background of the chiropractic student, thereby enhancing his/her competence as a primary health care provider.

### MICR 2533 Parasitology and Mycology

(3-0-3)

*Prerequisite: CHEM 1516, CHPM 1525*

The course stresses the clinical manifestations, epidemiology, and host/parasite relationship of pathogenic fungi, protozoa, and worms. Morphological characteristics of representative species are demonstrated.

### MICR 2537 Immunology and Disease Patterns

(3-0-3)

*Prerequisite: MICR 1531*

The components of the immune system and their functions are reviewed with the emphasis on the role of the immune system in defense against infection and immunological diseases. The possible roles of chiropractic effects on resistance and susceptibility are considered.

## PATHOLOGY

**Total Clock Hours: 99**

**Total Credit Hours: 8**

### PATH 2541 Pathology I

(4-0-4)

*Prerequisite: ANAT 2626, PHYS 2535*

The course is designed to present generalized descriptions of cell/tissue/organ/system changes due to various causes, such as acute and chronic diseases of infectious and non-infectious origins.

### PATH 2542 Pathology II

(3-2-4)

*Prerequisite: PATH 2541, PHYS 2545*

A course that stresses the pathobiology, clinical manifestations, structural and physiological consequences of disease of the human body. An emphasis is given to laboratory study of systemic pathology in which morphological and clinical characteristics associated with disease entities are observed.

## PHYSIOLOGY

**Total Clock Hours: 264**

**Total Credit Hours: 24**

### PHYS 1501 Anatomy and Physiology

(4-0-4)

This course is an introductory overview of the structure and function of the human body. Emphasis is placed on the interrelationships between form and function at the gross and microscopic levels in tissues, organs and organ systems.

### PHYS 1510 Cellular and Neuromuscular Physiology

(5-0-5)

*Prerequisite: CHEM 1515 (but strongly recommended: take with, or after CHEM 1516), PHYS 1501*

A study of the functional basis of the nervous and muscle systems at the cellular, tissue and organismal levels. Includes electrophysiology, synaptic transmission, sensory and motor functions, functional organization of the nervous system, and neural control of muscle function.

### PHYS 1525 Visceral Physiology

(6-0-6)

*Prerequisite: PHYS 1510*

A study of the cardiovascular, renal, respiratory, and gastrointestinal systems. Knowledge of these systems will enable students to better understand the basis for protocols used in physical diagnosis and chiropractic patient evaluation. Emphasis will be placed on structure-function correlates and inter-dependence of these systems for normal functioning of the human body. Selected pathophysiological conditions will be contextually discussed.

### PHYS 2535 Physiology Laboratory

(1-4-3)

*Prerequisites: PHYS 1525*

Laboratory exercises provide students with hands on experience testing activities that alter cardiovascular, respiratory and motor functions. Students learn how to measure

and interpret data from ECG's, EMG's, Respirometers and other instruments. This course applies, reinforces and extends knowledge learned in PHYS 1510 and 1525.

**PHYS 2545 Endocrinology** (4-0-4)

*Prerequisites: CHEM 1516, PHYS 1525 (Undergraduates may substitute BIO 335 for PHYS 1525)*

A study of the actions of hormones on all body functions, with an emphasis on the neuro-endocrine control of hormone secretion and its potential relationship to chiropractic care. The course includes both the physiological and biochemical ramifications of hormone actions in regulating metabolism, growth, reproduction, and neural function. Pathophysiological effects of abnormal hormone levels are considered.

## **DIVISION OF CHIROPRACTIC SCIENCES**

**Total Clock Hours: 2398**

**Total Credit Hours: 161**

Course work within the Division of Chiropractic Sciences teaches the student to integrate chiropractic principles, philosophy and office management with the science and art of chiropractic practice. This Division provides the student with the opportunity to develop chiropractic analytical and adjustive skills by applying them to the methods of scientific chiropractic techniques. Technical skills are also integrated with an understanding of chiropractic philosophy healthy life-styles and ethical principles appropriate to uphold the responsibilities and integrity of a chiropractor in practice. The student is also given the opportunity to learn the necessary office management practices necessary to conduct a successful practice of chiropractic.

## **ANALYSIS**

**Total Clock Hours: 440**

**Total Credit Hours: 29**

**ANLS 1610 Primary Evaluation Vaso-Thermal Instrumentation** (1-2-2)

*Prerequisites: ANAT 1507*

This course introduces the student to the proper utilization of instrumentation for determining areas of possible subluxation. Several types of instrumentation including infrared and thermocouple devices and their interpretation will be presented.

**ANLS 1615 Spinal Biomechanics** (2-0-2)

*Prerequisite: ANAT 1507, CPAP 1502*

This course is designed to give students an in-depth look at the biomechanics and neuromuscular aspects of the spine as it relates to Full Spine Technique. Definitions of terms and points of reference that are used in Full Spine Technique will be covered. Principles relating to the understanding of technique will be taught with the emphasis on intersegmental principles and how it relates to Full Spine Technique.

- ANLS 1617 Motion and Static Palpation I** (1-2-2)  
*Prerequisites: ANAT 1507*  
 This course is offered as an introduction to static and motion palpation of the pelvis and lumbar spine.
- ANLS 1618 Motion and Static Palpation II** (1-2-2)  
*Prerequisite: ANLS 1617*  
 This course is offered as an introduction to static and motion palpation of the cervical and thoracic spine.
- ANLS 2620 X-ray Full Spine Analysis** (1-2-2)  
*Prerequisites: ANAT 1607, RADD 1611*  
 This course will enable the student to analyze full spine x-rays to determine vertebral misalignments. Students will learn to assess radiographic data and utilize it in the correction of spinal subluxations.
- ANLS 3715 Muscle, Gait and Posture Analysis** (2-2-3)  
*Prerequisites: ANLS 1615, DIAG 2740*  
 This course is designed to introduce the students to the concepts of muscle testing. The lecture topics will cover the mechanics of body motion and muscle function, including postural aberrations, and how they apply to the chiropractic subluxation.
- ANLS 4720 Advanced Instrumentation** (1-2-2)  
*Prerequisite: ANLS 3715*  
 This course presents clinicians with information concerning outcome assessment techniques for the detection and evaluation of the subluxation and other conditions. Techniques covered include: thermography, electrodiagnostic procedures including: Surface Electromyography (SEMG), Somatosensory Evoked Potentials (SSEP), Nerve Conduction Velocity (NCV) and other related procedures. The objective of the course is to provide a clinician with a detailed understanding of the various techniques and their usefulness in a clinical setting as well as their practical application.
- ANLS 5670 Kinesiology of Sport (MSHS 670)** (4-0-3)  
*Prerequisite: CLIN 3609 (10th quarter student or above)*  
 This course offers the study of anatomical and kinesiological principles applied to the qualitative analysis of human motion in sports skills. Topics include movement terminology, muscle mechanics and function, levers, basic mechanics, and analysis of various sport skills
- ANLS 5676 Biomechanics of Sport Injury (MSHS 676)** (4-0-3)  
*Prerequisite: CLIN 3609 (10th quarter student or above), ANLS 5670*  
 This course is designed so that students will develop an in-depth understanding of selected biomechanical principles, the action of forces and their application to the study of anatomical structure and the analysis of human motion as related to injury during the performance of sport.



**ANLS 5805 Network Spinal Analysis™** (2-2-3)

*Prerequisite: CLIN 3609 (10th quarter student or above)*

An introduction for the student to the Epstein Models of: Spinal and Neural Integrity, Vertebral Subluxation, Somatic Awareness, and the Epstein Model of Wellness. The historical development, current theoretical model applications and existing protocols will be considered.

**ANLS 5815 Selected Concepts in Biomechanics** (0-2-1)

*Prerequisite: CLIN 3609 (10th quarter student or above), RSCH 2501*

This is a seminar-format course designed to expose students to a variety of topics in clinically-related biomechanics as they relate to spinal adjustment, neuromusculoskeletal dysfunction & pathology, and patient care. The instructor will offer a series of presentations, most based on peer-reviewed research articles; students are expected to ask questions, express observations and insights, and to share related information from outside sources..

**ANLS 5825 Bio-Geometric Integration (BGI)** (0-2-1)

*Prerequisite: CLIN 3609 (10th quarter student or above)*

The BGI elective is an integrative course which complements the existing elective package taught at Life University. It is not a technique, but rather an understanding of the philosophy, science and art of Chiropractic based on contemporary science. It integrates concepts of quantum theory, force dynamics, tensegrity, fractal biology, bio-dynamics and systems biology. Its geometric/tensegrity model of the body serves to bridge the gap that often exists for students as they learn several techniques and need to discern which approach to utilize for each individual patient.

## CHIROPRACTIC PRACTICE MANAGEMENT

**Total Clock Hours: 253**

**Total Credit Hours: 24**

Course work within Chiropractic Practice Management is organized and presented so that all aspects of the practice of Chiropractic are covered sufficiently to provide the student with complete knowledge and a detailed understanding of the practice and patient management side of the chiropractic profession. The course work includes, but is not limited to, staffing, marketing, doctor-patient and professional relationships.

**CHPM 1501 Personal Development I** (1-0-1)

An overview of the professional structure of the chiropractic profession and the concepts of personal branding and reputation management as they relate to practice success.

**CHPM 1502 Communication Skills and Diversity** (1-0-1)

The student will focus on patient education strategies and communication technologies within a general and diverse patient population necessary to create paradigm shifts in their patients. Specifically the student will be introduced to the importance of communication skills during procedures like the case

history, analysis, report of findings, daily visits, progressive report of findings and the new patient orientation in the sustained growth of their practice

**CHPM 1503 Personal Finance** (1-0-1)

This course is designed to help students understand the effect of individual financial choices on their personal, professional and future goals. Students will design personal and professional budgets; simulate use of checking and saving accounts; demonstrate knowledge of finance, debt, and credit management; and evaluate and understand insurance and taxes.

**CHPM 2504 Life Coaching Seminar I: Personal Development II** (1-0-1)

*Prerequisite: CHPM 1501, 1502, and 1503*

This course is designed to help the student realize the importance of core values in order to serve their employees, patients, and communities. The course will teach the student to create the consciousness and habit of consistent service as they go through school, student clinic, and their future practice. This will establish them as a unique provider of high quality customer service in a marketplace that demands the same. This class serves as the “To Serve” course and is the fourth in a series of four themed, personal development, courses based on the tenets and core values of Life University.

**CHPM 2605 Practice Development I: Personal Marketing** (1-0-1)

*Prerequisite: CHPM 1502*

The student will learn the strategies of operating and maintaining a successful chiropractic practice. These strategies will be an important preparatory for use in Life University’s student and outpatient clinic system.

**CHPM 2606 Practice Development II: Doctor - Patient Relationship** (1-0-1)

*Prerequisite: CHPM 2605*

The students, as they approach entering the clinic environment, will focus on patient education strategies and communication technologies necessary to developing paradigm shifts in their patients. Specifically the student will concentrate on a deeper awareness of communication skills needed as part of the specific Doctor Patient Relationship encounters such as; the case history, analysis, report of findings, daily visits, progressive report of findings and the new patient orientation in the sustained growth of their practice.

**CHPM 3608 Life Coaching Seminar II: HIPPA and Marketing** (1-0-1)

*Prerequisite: CHPM 2605, 2606, and 3607,*

Students enrolled in this course will learn participate in series of communication sessions combining marketing with patient education to enhance their vision for an ideal practice. Discussions will include leadership styles, tools of Marketing, understanding basic finance and appropriate patient record communication and confidentiality as proscribed by HIPPA.

**CHPM 3609 Practice Management I: Introduction. to Practice Management (1-0-1)**

*Prerequisite: CHPM 2605*

The student will learn the strategies of operating and maintaining a successful chiropractic practice. Specifically the student is introduced to key areas and considerations for the start-up of a chiropractic practice.

**CHPM 4611 Practice Management II: Office and Staffing Procedures (1-0-1)**

*Prerequisite: CLIN 3608*

The student will learn the strategies of operating and maintaining a successful chiropractic practice. The student will examine the training procedures and practices associated with staffing a chiropractic office.

**CHPM 4612 Life Coaching Seminar III: Practice Management III – Systems for Success (1-0-1)**

*Prerequisite: CLIN 3608*

These courses are intended to build the foundation for conceptually understanding how to develop a high-volume, subluxation-based, cash-driven, lifetime family wellness practice. This class also explores four areas for the student to get started to developing a practice. These are: LIFE's System for Success, Compliance, Team Building, and Advanced Marketing.

**CHPM 3511 Principles of Marketing (2-0-2)**

*Prerequisite: CLIN 3608*

This course will study the various aspects of marketing and marketing management. The students will be exposed to the process of business activities that direct the flow of services from the chiropractor to the patient. The primary focus will be on the functions that are responsible for assuring that every aspect of the chiropractor's office focuses on patient relationships by delivering superior value, recognizing that the organization's ongoing relationships with patients, employees, and the community are its most important asset. A Marketing Plan with pro-forma income statements will highlight the activities of the student during this courses delivery. Additionally, there will be a section devoted to financial decision making using such tools as Net Present Value of money.

**CHPM 4520 Small Business Management (2-0-2)**

*Prerequisite: CLIN 3608*

In this course emphasis is placed on the essentials of Entrepreneurship and the operation of a small business enterprise. Participants will understand how "to recognize a need" and determine how best to meet that need. Students will become familiar with starting a small business, i.e. locating funding, qualifying for funding, determining the good and bad related to geographic location, how to organize a project from beginning to end, eliminating waste of project time and money, and how to spot problems before they become critical.

**CHPM 4700 Chiropractic Practice Management (2-0-2)***Prerequisite: CLIN 3609*

The student will be provided with practice procedures that are used in a chiropractor's office. This course explores the elements necessary for the establishment of the private practice of chiropractic. The student is instructed in the preparation of opening and managing their first practice through the preparations of business and marketing plans, purchasing versus leasing of equipment and other items associated with the opening of a chiropractic practice.

**CHPM 4722 Documentation and Coding (2-0-2)***Prerequisite: CLIN 3609*

This course is designed to enhance the ability of future doctors of Chiropractic to document and code the clinical services they provide. The course will focus on helping providers develop clinical decision-making and documentation habits that will support the optimal CPT code for the services rendered. Coding rules for the most common categories of service provided by chiropractors will be presented, and typical problem areas within each of the categories will be discussed.

**CHPM 4763 Jurisprudence (3-0-3)***Prerequisite: CLIN 3608*

Legal considerations of the chiropractor and professional malpractice are the basis of this course. Types of organization for practice, establishment of a practice, and a practical analysis of the law of contracts, agency, and partnership relating to the chiropractor are included, along with a study of the court system and the chiropractor as an expert witness. Consideration is given to insurance coverage for patients.

**CHPM 4773 Ethics and Boundaries (2-0-2)***Prerequisite: CLIN 3609*

This course will cover the topics of ethics and professional relations from a practical perspective. Using a combination lecture/group discussion format, ethical issues in the context of the chiropractor functioning in his/her community, family and profession will be covered. In addition, the topics of practice styles, broad/narrow scope of practice, risk management, malpractice and professional responsibility will be discussed using actual case examples.

**CHIROPRACTIC PRINCIPLES AND PHILOSOPHY****Total Clock Hours: 307****Total Credit Hours: 22**

The courses within Chiropractic Principles and Philosophy provide a theoretical framework for understanding the application of the science of chiropractic. Through the effective use of deductive reasoning, students begin to understand the vitalistic nature of the human body. The body was "preprogrammed" towards health and balance (homeostasis). Our purpose as Doctors of Chiropractic is to locate and correct any interference to the system in the body that controls and coordinates all functions – the nervous system.

**CPAP 1500 Chiropractic Assembly (0.3-0-0)**

A part of the D.C. curriculum at Life University is a fourteen quarter series of one-hour philosophy lectures. Attendance of three each quarter is required for graduation. These lectures provide the student with an opportunity to receive up-to-date information relating to the current trends within the chiropractic profession – on a local as well as an international level. These seminars further permit ongoing communication and philosophy reinforcement throughout the D.C. curriculum.

Chiropractic Assembly is a quarterly program of one hour assemblies held in the Main Gym. Chiropractic Assemblies are scheduled at 11:00 - 11:50 a.m. on Thursdays. Chiropractic Assemblies feature invited speakers from within and outside the Life University community, presenting up-to-date information relating to current philosophic, scientific, clinical, political and educational trends within the chiropractic profession, both locally and internationally, as well as presentations related to Life University's Eight Core Proficiencies. One Assembly each quarter is devoted to communication between the president of the University and the student body. Three Assemblies are offered each quarter, usually during weeks two (2), four (4) and six (6), although the dates may vary depending on the invited speakers' schedules.

**CPAP (1104, 1207, 1304, 2109 Preparation for National Board Exams (0.3-0-0)**

The College of Chiropractic offers special assemblies – "Preparation for National Board Exams" that are available during winter and summer quarters only. These special assemblies, which are counted toward assembly graduation requirements, are for registered national board examinees. The attending students are presented with discussions of general test-taking and study strategies for either NBCE Part 1 or 2 and focus on the respective and different component exams each week. Student may enroll in either one or two "assemblies" for either PART 1 or Part 2. Credit is given, in part, for every three weeks of participation.

**CPAP 1502 Health Care Terminology (2-0-2)**

This course provides structure for learning the basics of a health care vocabulary by integrating in-class instruction with self-paced study. Word-building techniques of combining word roots, prefixes, and suffixes are applied to each of the body's systems and supplemented by an introduction to common associated pathological conditions to provide a foundation for further clinical study.

**CPAP 1505 Introduction to Philosophy, Science, and Art of Chiropractic (2-0-2)**

This introductory course will expose first quarter chiropractic students to the discipline of chiropractic, its various philosophic, scientific and artistic components, and their relationship to each other and to patient care. It will also introduce students to the metaphysical and epistemological bases for Chiropractic's separate and distinct health care approach, as well as its focus on the neuro-spinal dis-relationship embodied in the vertebral subluxation.

**CPAP 1525 Lifestyles for Health: An Introduction to Wellness (1-0-1)**

This course is designed to empower students to assess and improve their health behaviors. Students will learn and apply theories of behavioral change and lifestyle modification through wellness planning in a wellness partnering context. Students will describe risk factors for prevalent lifestyle-related disorders.

**CPAP 1600 Rights and Responsibilities (8-0-0)**

Life University has developed a set of Eight Core Proficiencies (ECP) as part of the Vision and Values of the College. These ECP represent a values based education. Students are expected to engage in class work and/or seminars that develop understanding, expectations and a set of skills in all eight areas

**CPAP 1605 History of Chiropractic (2-0-2)**

Students are introduced to the highlights of the chiropractic profession from its inception in 1895 to the present time. Major names, dates, places and events are discussed. The growth and development of our national organizations, various chiropractic schools and various chiropractic schools of thought in both philosophy and technique are explored.

**CPAP 1615 Modern Chiropractic Principles (2-0-2)*****Prerequisite: CPAP 1505***

The basic metaphysical and biological principles of traditional chiropractic philosophy will be explored in the context of modern scientific and philosophic thought. The roles of energy, information and communication in creating, maintaining and transforming organizational states of matter will be described. The application of these basic principles of intelligent self-organization to living biological systems will be considered, including the specific nature of the organism-wide “consciousness” traditionally referred to as “innate intelligence.”

**CPAP 3625 Wellness and Spinal Hygiene (1-2-2)*****Prerequisite: CPAP 1525 (effective Summer 2015)***

This course is designed to empower students to take responsibility for their health behaviors and to prepare students to assess, mentor and coach their patients in developing and maintaining a healthy lifestyle. The course includes a strong emphasis on spinal and neurological health promotion through patient active interventions and wellness planning. In the laboratory sessions, students develop and present a focused, spinal, health promotion, exercise program.

**CPAP 3715 Vertebral Subluxation Theories (3-0-3)*****Prerequisites: ANAT 2647, DIAG 2740, PHYS 2545***

The purpose of this course is to explore the paradigm of the vertebral subluxation complex, including theoretical constructs, pathophysiological mechanisms, components and multisystemic ramifications. The course will also delineate pathways of communication between the nervous, endocrine, and immune systems as related to psychoneuroimmunology.

**CPAP 4725 Advanced Wellness and Ergonomics (2-0-2)*****Prerequisites, PUBH 3684***

This course is designed to motivate and encourage students to engage in wellness-oriented life-styles including physical, mental/emotional and spiritual factors, which promote wellness and prevent disease. Students will develop personal wellness plans for themselves and develop strategies to empower patients, public and communities to participate in health-enhancing life-styles. Students will become aware of lifestyle and ergonomic factors that affect health both in positive and negative ways. They will participate in corporate and community-based chiropractic/wellness presentations designed to educate and empower individuals and the public to improve their health and quality of life.

**CPAP 5705 Issues in Traditional Chiropractic Philosophy (2-0-2)*****Prerequisite: Student must be entering 6th qtr. or above, CPAP 1615***

The first of three courses given as an elective seminar will provide the philosophically inclined student with the opportunity to deepen and broaden his/her knowledge and understanding of both traditional and modern perspectives on vitalistic chiropractic philosophy and its relationship to Chiropractic's clinical, professional and political issues, as well as the philosophic issues involved in Chiropractic's relationship to other biological and health care professional philosophies. In this elective, students will explore Stephenson's Chiropractic Textbook in greater detail to form a strong basis for understanding and working to advance Chiropractic's traditional and contemporary principles

**CPAP 5805 Philosophic Issues in Clinical/Professional Practice (2-0-2)*****Prerequisite: CPAP 5705***

The second of three courses given as an elective seminar will provide the philosophically inclined student with the opportunity to deepen and broaden his/her knowledge and understanding of both traditional and modern perspectives on vitalistic chiropractic philosophy and its relationship to Chiropractic's clinical, professional and political issues, as well as the philosophic issues involved in Chiropractic's relationship to other biological and health care professional philosophies. In this elective, students will explore clinical applications of chiropractic principles to the question of interference, adjusting and healing/health theories, and inter-professional relationships.

**CPAP 5815 Issues in Contemporary Vitalistic/Chiropractic Philosophy (2-0-2)*****Prerequisite: CPAP 5805 (or instructor permission)***

The third of three courses given as an elective seminar will provide the philosophically inclined student with the opportunity to deepen and broaden his/her knowledge and understanding of both traditional and modern perspectives on vitalistic chiropractic philosophy and its relationship to Chiropractic's clinical, professional and political

issues, as well as the philosophic issues involved in Chiropractic's relationship to other biological and health care professional philosophies. In this elective, students will explore contemporary issues in vitalism, including vitalism beyond the chiropractic profession, and begin to work toward the future of chiropractic philosophy.

## RESEARCH

**Total Clock Hours: 375**

**Total Credit Hours: 21**

### **RSCH 2501 Introduction to Research Methods**

**(2-0-2)**

A course designed for the discussion of classic and current scientific investigations in the field of Chiropractic, which acquaints students with scientific methods and design for clinical, health promotion and wellness studies.

### **RSCH 3601 Research Methods and Design**

**(2-0-2)**

*Prerequisite: RSCH 2501*

A course designed for the further discussion of classic and current scientific investigations in the field of Chiropractic. Students participate in discovering scientific methods, including issues related to the safety of human participants in research by designing qualitative and quantitative studies related to chiropractic and clinical conditions, health promotion or wellness. Students construct a research design proposal using a standard format.

### **RSCH 4801 Senior Case Presentation**

**(1-0-1)**

*Prerequisite: RSCH 3601*

The student will prepare a clinical case study. The selection of an appropriate clinical case, a thorough review of the elements of a case study report, how to review the appropriate literature for the reference selections, and the systematic construction of the report will be covered in a combination lecture and self-study format. Students participate in research methodology seminar and are required to prepare a written, referenced case study suitable for publication.

### **RSCH 5686 Individual Research Study**

**(0-12-6 cr)**

*Prerequisite: RSCH 3601, Instructor's Approval*

This course provides the student an opportunity to conduct a research project and write a scientific paper as in a specific area of interest under the direction of a faculty member. This course is used by the students who have been accepted into the "Research Track". This research course may be taken in place of specific chiropractic practice management credits from 1 - 6 credits with an approved research mentor under the auspices of the Office of Sponsored Research.

### **RSCH 5701 Advance Research Study**

**(0-20-10 cr)**

*Prerequisite: RSCH 5686, Instructor's Approval*

This course provides the student a continued opportunity to conduct a research project and write a scientific paper in a specific area of interest under the direction of a faculty member. This course is generally used by the students who have been



accepted into the “Research Track”. This research course may be taken as a general elective (outside of the research tract) credits from 1 - 10 credits with an approved research mentor under the auspices of the Office of Sponsored Research.

## TECHNIQUE

**Total Clock Hours: 1023**

**Total Credit Hours: 65**

In each chiropractic technique course, aspects of spinal and extra-spinal management including chiropractic diagnosis, patient evaluation, radiographic analysis, instrumentation, and adjustive techniques are presented.

**TECH 2701 Upper Cervical Toggle Recoil Technique (2-2-3)**

*Prerequisites: ANAT 1607, ANLS 1610, 1617*

This course focuses on the uniqueness of upper cervical subluxation complex, its relationship to the body as a whole, and the history and principles involved in the upper cervical adjusting technique. This course involves atlas and axis analysis, patient placement, doctor’s stance, and set-up.

**TECH 2711 Full Spine Technique I (1-2-2)**

*Prerequisites: ANAT 1607, ANLS 1615, 1618*

This course provides an introduction to selected basic adjustment procedures incorporating the full spine, traction-leverage moves. The student is taught adjustive setup procedures covering lumbar, and pelvic areas of the spine.

**TECH 2712 Full Spine Technique II (1-2-2)**

*Prerequisites: TECH 2711*

This course provides an introduction to selected basic adjustment procedures incorporating the full spine, traction-leverage moves. The student is taught adjustive setup procedures covering the cervical and dorsal spine while reviewing lumbar and pelvic adjustive moves.

**TECH 3713 Full Spine Technique III (0-4-2)**

*Prerequisites: ANLS 1610, 2620, TECH 2712,*

This course integrates the inter-segmental specific Full Spine I & II (TECH-2711 and TECH-2712) courses with x-ray interpretation, instrumentation, and motion and static palpation. It provides the student with more comprehensive training in patient analysis and adjusting procedures prior to entering the clinical environment.

**TECH 3812 Gonstead Technique (2-2-3)**

*Prerequisite: CLIN 3608*

This class explores the Gonstead Technique as a system of subluxation analysis and correction. Adjustive technique will include side posture as well as the knee chest table and the cervical chair. This class will focus particular attention on patient case management.

- TECH 3837 Extra-Spinal Technique I** (1-2-2)  
*Prerequisite: ANLS 3715, TECH 3713*  
 This course will present various protocols for determining and correcting structural and functional problems of the upper extra-spinal areas of the body that may have an effect on the subluxations of the spine.
- TECH 3838 Extra-Spinal Technique II** (1-2-2)  
*Prerequisite: TECH 3837*  
 This course will present various protocols for determining and correcting structural and functional problems of the lower extra-spinal areas of the body that may have an effect on the subluxations of the spine.
- TECH 3850 Adjusting Special Populations** (2-2-3)  
*Prerequisite: CLET 3757, TECH 3713*  
 A specialized course in the management of the vertebral subluxation complex as applies to special populations including pediatrics, pregnant women, geriatrics and management of the physically disabled patient. Chiropractic analysis and adjusting is explored with various techniques.
- TECH 4822 Thompson Technique** (1-2-2)  
*Prerequisite: CLIN 3608*  
 In this course several major methods are explored, utilizing specific drop technique, emphasizing the Thompson method. Implications of the Derefild leg check are addressed
- TECH 4841 Sacro-Occipital Technique** (2-2-3)  
*Prerequisite: CLIN 3608*  
 This course is designed to familiarize students with the basic elements of analysis and correctional procedures employed in S.O.T., including categorization and specific adjusting.
- TECH 4861 Technique Review** (2-2-3)  
*Prerequisites: TECH, 3812, 3838, 4822*  
 Students are provided a review of all previously taught techniques with specific emphasis on analysis, detection, and removal of subluxation and chiropractic case management.
- TECH 5657 Arthrokinematics & Proprioception of Lower Body (MSHS 657)(4-0-3)**  
*Prerequisite: CLIN 3609 (10th quarter student or above), TECH 3838*  
 The study of joint function that is not produced by the action of voluntary muscles. Identification and management of global proprioceptive deficits and advanced techniques of extremity adjusting, as an adjunct to spinal adjusting, are studied.

**TECH 5658 Arthrokinematics & Proprioception of Upper Body (MSHS 658)(4-0-3)**

*Prerequisite: CLIN 3609 (10th quarter student or above), TECH 3837*

The study of joint function that is not produced by the action of voluntary muscles. Identification and management of global proprioceptive deficits and advanced techniques of extremity adjusting, as an adjunct to spinal adjusting, are studied.

**TECH 5659 Chiropractic Sport Management (MSHS 659) (4-0-3)**

*Prerequisite: CLIN 3609 (10th quarter student or above), TECH 5657 & TECH 5658*

This course provides the study of a systematic process of developing of case management skills as it pertains to sport injury. The course focuses on the more common athletic injuries seen in the clinical and on field settings. The student learns how to diagnosis, rehabilitate and adjust such injuries.

**TECH 5702 Advanced Upper Cervical Toggle Recoil Technique (0-2-1)**

*Prerequisites: TECH 2701*

This elective course offers the serious upper cervical student an opportunity to further investigate and apply the knowledge gained in Tech 2701- Upper Cervical Toggle Recoil Technique.

**TECH 5801 Atlas Orthogonal Technique (2-2-3)**

*Prerequisite: CLIN 3609 (10th quarter student or above)*

This course covers methods of locating cervical spinal subluxations using the Atlas Orthogonal Technique.

**TECH 5811 H.I.O. Upper Cervical Knee Chest Technique (0-2-1)**

*Prerequisite: CLIN 3609 (10th quarter student or above)*

This course is designed to provide each student with the necessary knowledge to apply H.I.O./Knee Chest adjusting technique in a clinical setting. This class will provide knowledge and practice experience in the area of x-ray procedures and analysis, skin temperature differential (pattern) analysis and knee chest adjusting technique.

**TECH 5817 Activator Technique (2-2-3)**

*Prerequisite: CLIN 3609 (10th quarter student or above)*

This course is designed to give the student the basic instruction in Activator methods. It is designed to develop the skills necessary for the accurate location and correction of subluxations according to this system. Upon completion of the course, the student should be capable of the following: to accurately locate spinal landmarks and vertebral levels, to perform the leg check procedure, to demonstrate an understanding of the rationale behind the activator analysis and correction, and to demonstrate skill in the application of the Activator correction.

- TECH 5821 Grostic Technique** 2-0-2  
*Prerequisite: CLIN 3609 (10th quarter student or above)*  
 This course will enable the student a method of patient care for the upper cervical subluxation complex. Upon successful completion, the student will be able to determine and quantify the relationships of the Occipital-Atlanto-Axial articulations as they relate to each other, calculate the correction vectors and apply those vectors necessary to reduce the misalignment. The course will include the supine leg check and instrumentation as it pertains to the assessment of the patient.
- TECH 5823 Advanced Thompson Technique** (0-2-1)  
*Prerequisite: CLIN 3609 (10th quarter student or above), TECH 4822*  
 The Advanced Thompson Technique's purpose is to instruct and enable the student to apply more extensive and detailed analysis and adjustment beyond what is presented in Technique 4822.
- TECH 5827 Torque Release Technique** (2-2-3)  
*Prerequisite: CLIN 3609 (10th quarter student or above)*  
 This course provides an introduction to selected basic instrument adjusting procedures incorporating a low-force full spine adjusting technique based on the tonal model. The student is taught adjusting procedures covering the cranium, cervical, thoracic, lumbar, ilium, sacrum, and coccyx areas of the spine.
- TECH 5831 Clinical Biomechanics of Posture (CBP)** (2-2-3)  
*Prerequisite: CLIN 3609 (10th quarter student or above)*  
 This course provides an introduction to CBP, including history, philosophy and research, structural rehabilitation of the spine, and adjusting procedures of the entire spine.
- TECH 5832 Advanced Grostic Procedure Technique** (0-2-1)  
*Prerequisite: CLIN 3609 (10th quarter student or above)*  
 This course will provide the student with a practical application of the procedures presented in the Grostic Technique course, to include the analysis of radiographs, the adjustment, and the management of a patient.
- TECH 5835 Introduction to Applied Kinesiology** (2-2-3)  
*Prerequisite: CLIN 3609 (10th quarter student or above)*  
 The student is taught and shown precise manual muscle testing procedures for the entire body. Various applied kinesiology sensory receptor challenges are utilized to evoke muscle testing outcomes in a decision making process that guides the clinician through evaluation of the Vertebral Subluxation Complex (VSC) as well as neurologically based hands-on pain relief procedures. The principle of mechanoreceptor activity blocking nociceptive activity is presented, with particular emphasis on manipulations of the atlanto-occipital area, all other spinal segments, foot and ankle joints, and trigeminal nerve innervated tissues for pain relief.

**TECH 5843 Technique for Cranial and Visceral Dysfunction** (2-2-3)

*Prerequisite: CLIN 3609 (10th quarter student or above)*

To instruct students in advanced methods of subluxation detection and corrections according to the work of Dr. Major Bertrand DeJarnette and other notable S.O.T. practitioners

**TECH 5865 Advanced Pediatric Technique** (2-2-3)

*Prerequisite: DIAG 3765, TECH 3850*

This course provides the student with advanced information related to the delivery of chiropractic care to the pediatric and prenatal patient. This course will encompass many of the growing challenges seen in a primary care, family-based practice, ranging from the variety of disabilities today's children face, dealing with traumatic injuries, assessing the specialized nutritional needs of children, and the emerging necessity of understanding pediatric neurology. Specific examination and adjusting techniques will be demonstrated and described in the accompanying lab section.

**TECH 5870 Cox Flexion Distraction Technique** (2-2-3)

*Prerequisite: CLIN 3609 (10th quarter student or above)*

An integrative, diagnosis and technique course (lecture and lab) that covers the epidemiology, biomechanics, diagnosis, treatment and management of lower back and lower extremity pain. Emphasis will be placed on assessment and treatment utilizing Cox flexion distraction technique

## DIVISION OF CLINICAL SCIENCES

**Total Clock Hours: 2497**

**Total Credit Hours: 179**

The Division of Clinical Sciences consists primarily of courses that teach students to directly apply the science of chiropractic from an academic, clinical knowledge and skill standpoint. Areas of clinical education diagnosis, psychology, public health, and radiology; technology and pathology comprise the subject areas within this division. Coursework also provides the student with the opportunity to acquire the knowledge and skills necessary in the development of a primary health care clinician.

## CLINICAL EDUCATION (Academics)

**Total Clock Hours: 418**

**Total Credit Hours: 30**

**CLET 3757 Clinical Skills**

(2-4-4)

*Prerequisites: ANAT 2647, ANLS 1618, DIAG 2725, 2735, 2740, MICR 2533, 2537, PATH 2542, PHYS 2535, 2545, PUBH 1517, RADD 2711,*

This course will focus on the fundamentals of the patient interview, examination findings, and assessment of data, differential diagnosis, diagnostic testing strategies, case management and patient communication. Students will review and refine clinical skills related to all focused regional examinations. This course will be presented in the form of lectures, team-based group discussions and labs.

**CLET 3826 Head and Neck Clinical Case Integration (3-2-4)**

*Prerequisites:* ANLS 3715, CLET 3757, RADD 2712, 3511, TECH 2701, 2712

This course will focus on the conservative management of common cervical spine syndromes. Students will be introduced to the functional model of cervical spine syndromes via appropriate assessment, rehabilitation and management strategies. Appropriate radiographs, lab data, advanced imaging and other diagnostic information will be reviewed in the lab setting while clinical skills specific to the topic will be refined under the guidance of a faculty instructor. Each clinical topic will culminate in a weekly case conference to ensure understanding of key concepts, clinical reasoning and appropriate case management strategies. The course will integrate a variety of teaching techniques from traditional lectures to case based and team based learning exercises.

**CLET 3828 Lumbar-Pelvic Clinical Case Integration (3-2-4)**

*Prerequisites:* ANLS 3715, CLET 3757, RADD 2712, 3511, TECH 2701, 2712

The course will present clinical topics that relate to the low back and specific neurological disorders through actual patient case files and integrate appropriate chiropractic management or co-management for each topic. Basic concepts will be presented in a lecture format and students will apply the knowledge gained by participating in small group, case-based exercises. Appropriate radiographs, lab data, advanced imaging and other diagnostic information will be reviewed in the lab setting while clinical skills specific to the topic will be refined under guidance of a faculty instructor. Each clinical topic will culminate in a weekly case conference to ensure understanding of the key concepts, clinical reasoning and appropriate case management strategies. The class project for this course will consist of an oral patient case presentation in their small-group lab.

**CLET 3835 Visceral Clinical Case Integration (6-0-6)**

*Prerequisites:* CLET 3757, DIAG 3743, 3745, RADD 3717

This course will present clinical topics and concepts that relate to common conditions of the cardiovascular, respiratory, gastrointestinal, genitourinary, endocrine, vascular, lymphatic, integumentary and nervous systems. Pattern recognition of common disorders relating to these systems will be emphasized, and appropriate radiographs, lab data, advanced imaging and other diagnostic information will be reviewed. Benefits, precautions and risks associated with chiropractic management or co-management of these patients will also be discussed.

**CLET 4840 Extremity Clinical Case Integration (3-2-4)**

*Prerequisites:* CLET 3757, RADD 3512, 3714, TECH 3838

This course will focus exclusively on the extremities and their multiple related disorders. A strong emphasis will be placed on orthopedic and neurological musculoskeletal diagnosis while integrating assessment of data, differential diagnosis, diagnostic testing strategies, case management and outcomes assessment. Students will review and refine clinical skills related to specific examinations

of the shoulder complex, elbow, wrist, hand, hip, pelvis, knee, ankle and foot. Chiropractic and co-management factors will be carefully considered. The course will be presented in a lecture and lab format utilizing case-based learning.

**CLET 4862 Advanced Clinical Case Integration I** (3-2-4)

*Prerequisites: CLET 3826, 3828, 3835, 4840, CLIN 3710, PSYC 3605, PUBH 3717, 3725, 4747, RADD 3718, (RADD 4820 Strongly Recommended), TECH 3812, 3850*

This course will present clinical topics and concepts that relate to special patient groups and patients with multiple health concerns through actual patient case files and integrate appropriate chiropractic management or co-management for each topic. Appropriate radiographs, lab data, advanced imaging and other diagnostic information will be reviewed in the lab setting while clinical skills specific to the topic will be refined under the guidance of a faculty instructor. Each clinical topic will culminate in a weekly case conference to ensure understanding of the key concepts, clinical reasoning and appropriate case management strategies. The course will integrate a variety of teaching techniques from traditional lectures to case based and team based learning exercises

**CLET 4870 Advanced Clinical Case Integration II** (3-0-3)

*Prerequisites: CLET 3826, 3828, 3835, 4840, CLIN 3710, RADD 4820*

This course will present clinical topics and concepts that relate to more complex cases; Cases with multiple health concerns and special case management issues through actual patient case files and integrate appropriate chiropractic management or co-management for each topic. Students will apply their knowledge of these topics and demonstrate their clinical reasoning skills by individually completing individual Case-Based exercises and small-group File Review exercises.

**CLET 4874 Advanced Clinical Case Topics** (0-2-1)

*Prerequisites: CLET 3826, 3828, 3835, 4840, CLIN 3710, CHPM 4763, 4773, RADD 4820*

This course focuses on advanced clinical topics that are presented by sources from within and outside LUCC. This course will broaden the student's clinical knowledge, awareness and attitudes through attending guest lectures, participating in panels of expert discussion, completing web-based exercises and, in certain cases, the observation of outside activities.

## DIAGNOSIS

**Total Clock Hours: 715**

**Total Credit Hours: 51**

**DIAG 2725 Visceral Diagnosis**

(4-4-6)

*Prerequisites: ANAT 1625, PHYS 1525*

This course enables the student to acquire and demonstrate a knowledge base in anatomy, physiology, and visceral pathology, as well as the clinical presentations of visceral disorders. Special emphasis is placed upon the

chiropractic approaches to these processes and their potential neurological origins. This knowledge base includes clinical presentations, which will enable the student to provide proper chiropractic care and/or referral when indicated. Students are required to demonstrate proficiency in the performance of the physical examination and clinical assessment of visceral disorders. The concepts of critical thinking and differential diagnosis are introduced in this class.

**DIAG 2730 Orthopedic Diagnosis (3-4-5)**

*Prerequisite: ANAT 1607, 1615*

This course is a survey and introduction to the principles of orthopedic diagnosis. It provides the student with a basic understanding of the orthopedic examination of the spine and extremities. The student must demonstrate proficiency in skills required to perform these orthopedic examinations as applied to chiropractic practice.

**DIAG 2735 Clinical Laboratory Studies (3-4-5)**

*Prerequisites: DIAG 2725, MICR 1531*

This course is intended to enhance the student's understanding of clinical laboratory findings as related to disorders of the human organism including vertebral subluxation. The student will learn in lecture basics of clinical laboratory tests, the significance of high and low values and how to correlate abnormal test results found on a clinical laboratory report in order to ascertain a clinical impression. In laboratory, students will learn to perform, analyze, and interpret the Routine Urinalysis and the Complete Blood Count including hematocrit. Additionally, they will learn venipuncture technique and the determination of blood glucose in peripheral blood. Throughout the quarter, development of critical thinking skills will be a primary concern. Students will be given case studies, including some abnormal laboratory tests, and will be asked to produce an impression or working diagnosis from these histories and explain the rationale of their conclusions.

Students will interpret and /or perform a minimum of 25 complete urinalysis, 2 venipuncture, 20 blood glucose readings, 20 complete blood count. Transfer students must audit the course and in lab and perform the required tests.

**DIAG 2740 Neurological Diagnosis (4-2-5)**

*Prerequisite: ANAT 2646, DIAG 2730*

The signs, symptoms, and pathophysiology associated with diverse disorders of the nervous system, including biomechanical, congenital, infectious, metabolic, toxic and degenerative conditions are delineated in this course. Neurology as related to chiropractic is emphasized. Students are evaluated on their performance of the neurological examination relative to their competence, professional demeanor, and the ability to establish patient rapport.

**DIAG 3743 Gastroenterological Diagnosis (2-0-2)**

*Prerequisite: DIAG 2725, PUBH 3617*

The working of the gastrointestinal tract in health and disease and its relationship



with the systemic disease conditions, nutritional processes, the musculoskeletal and nervous systems are detailed in this course. Special attention is drawn to functional gastrointestinal complaints commonly seen in the chiropractic office and how these may be related to a variety of disorders. Case management of a series of conditions amenable to conservative care is discussed as are indications for appropriate referral.

**DIAG 3745 Genitourinary Diagnosis (2-0-2)**

*Prerequisites: DIAG 2735*

The course is designed to give students a strong background in understanding the genitourinary system from a clinical chiropractic viewpoint. Genitourinary problems are varied and common in practice, and are often related to vertebral subluxation complex. Due consideration is given to the necessity of the presence of a third party as a proper office procedure. AIDS is discussed in significant detail in this course.

**DIAG 3750 Special Senses Diagnosis (3-2-4)**

*Prerequisites: DIAG 2725, 2740, PHYS 2535*

This course provides students with an in-depth consideration of the sensory organs, (eyes, ears, nose, and throat) including both normal and abnormal findings as related to the vertebral subluxation complex. The student's knowledge base incorporates normal and abnormal clinical findings within the realm of special senses, as well as basic dermatological findings that will be illustrated and categorized. Students will demonstrate proficiency in performing examinations of the eyes, ears, nose, and throat. Those conditions most commonly encountered in chiropractic practice are emphasized. The chiropractic management of these conditions will be discussed as they relate to the vertebral subluxation complex.

**DIAG 3755 Geriatric Diagnosis (2-0-2)**

*Prerequisites: CLET 3757, DIAG 3743, 3745, RADD 3713*

This course provides details of the special problems presented by the elderly patient as they are related to the delivery of chiropractic care. Chronic afflictions of the aged receive special emphasis. Students will integrate all elements of patient histories to identify the pathophysiological process(es) responsible for primary and secondary problems.

**DIAG 3765 Pediatric Diagnosis (2-0-2)**

*Prerequisite: ANAT 2647, DIAG 3743, 3745, PSYC 3505, RADD 3714*

This course provides the student with information related to the delivery of chiropractic care to the pregnant female and the newborn infant as well as to the ongoing care of the developing infant through adolescence. Various febrile diseases and developmental abnormalities receive special emphasis. Students will integrate all elements of patient history to identify the pathophysiological process(es) responsible for primary and secondary problems.

- DIAG 3835 Integrated Diagnosis Laboratory (4106)** (0-2-1)  
*Prerequisites:* CLET 3757, CLIN 3701, DIAG 3743, 3745, 3750  
 Physical examination skills will be refined under the guidance of a faculty instructor through weekly skills-based labs.
- DIAG 5650 Injury Assessment of the Lower Body (MSHS 650)** (4-0-3)  
*Prerequisite:* CLIN 3609 (10th quarter student or above)  
 This course provides the systematic evaluation of exercise-induced injuries to the lower body including the hip and groin. Prevention and management of these injuries are also considered.
- DIAG 5652 Injury Assessment of the Upper Body (MSHS 652)** (4-0-3)  
*Prerequisite:* CLIN 3609 (10th quarter student or above)  
 This course provides the systematic evaluation of exercise-induced injuries to the upper body including the head, neck, and low back. Prevention and management of these injuries are also considered.
- DIAG 5753 Introduction to Functional Neurology and Basic Eye Movements(2-2-3)**  
*Prerequisite:* CLIN 3609 (10th quarter student or above)  
 The student will be introduced to the concepts of functional neurology, the uses of neurologic procedures as a means of rehabilitation and will cover the signs, symptoms, pathophysiology, and neural aspects associated with oculomotor disorders as delineated in this course. Intervention in oculomotor disorders as related to chiropractic is emphasized. Students are evaluated on their performance of the neurological examination and their ability to integrate and apply their understanding of the neural basis for oculomotor disorders into a holistic strategy of chiropractic based intervention.
- DIAG 5757 Vestibular Functional Assessment and Rehabilitation** (2-2-3)  
*Prerequisite* CLIN 3609 (10th quarter student or above)  
 The signs, symptoms, pathophysiology, and neural aspects associated with vestibular disorders are delineated in this course. Intervention in vestibular disorders as related to Chiropractic is emphasized. Students are evaluated on their performance of the neurological examination and their ability to integrate and apply their understanding of the neural basis for vestibular into a holistic strategy of chiropractic based intervention.
- DIAG 5841 Neurological Basis of Behavioral Disorders** (2-2-3)  
*Prerequisite:* CLIN 3609 (10th quarter student or above)  
 The signs, symptoms, pathophysiology, and neural aspects associated with childhood behavioral disorders are delineated in this course. Intervention in childhood behavioral disorders as related to Chiropractic is emphasized. Students are evaluated on their performance of the neurological examination and their ability to integrate and apply their understanding of the neural basis for behavioral disorders into a holistic strategy of chiropractic based intervention.

**DIAG 5865 Advanced Pediatric Diagnosis** (2-0-2)

*Prerequisite: DIAG 3765*

This course provides the student with advanced information related to the delivery of chiropractic care to the pediatric and prenatal patient. This course will encompass many of the growing challenges seen in a primary care, family-based practice, ranging from the variety of disabilities today's children face, dealing with traumatic injuries, assessing the specialized nutritional needs of children, and the emerging necessity of understanding pediatric neurology. Students will integrate higher levels of differential diagnosis as the skill of triage is taught to prepare participants to identify subtle pathophysiological processes being seen regularly in a pediatric practice.

## PSYCHOLOGY

**Total Clock Hours: 5**

**Total Credit Hours: 5**

**PSYC 3505 Human Development**

(2-0-2)

This is a survey course of the study of human growth and development throughout the life span. Content is structured according to the biosocial, cognitive, and psychosocial development of each stage. Ethnic and cultural variations will be discussed where appropriate. Knowledge of the content will enable the chiropractor to identify the stages of development of their patients and to distinguish normal from abnormal development.

**PSYC 3605 Clinical Psychology**

(3-0-3)

*Prerequisite: PSYC 3505*

This course provides student with descriptions of various aspects of mental health and illness according to the Diagnostic and Statistical Manual of Mental Disorders (DSM) diagnostic criteria. The content of this course supports chiropractic by enabling the student to recognize abnormal vs. normal behavior in their patients and to consider this behavior while providing chiropractic care and/or need for appropriate professional referrals. This class will also briefly review the historical beginnings of psychology and theoretical orientations, techniques and treatments.

## PUBLIC HEALTH

**Total Clock Hours: 1041**

**Total Credit Hours: 59**

**PUBH 1517 Basic Nutrition**

(5-0-5)

*Prerequisite: CHEM 1516, CHPM 1525*

An overview of carbohydrates, lipids, proteins, vitamins, and minerals is presented in detail in this course. Practical aspects of planning and consuming a healthy diet are emphasized. Additional topics include weight management, eating disorders, sports nutrition, and changing nutrition needs throughout the life cycle. Non-nutrient dietary components, such as phytochemicals and fiber, are also discussed.

**PUBH 3515 Public and Environmental Health (2-0-2)**

*Requires: Student must be entering 6th qtr. or above.*

This course gives the students a fundamental understanding of the impact and workings of the United States Public Health System on the local, state, federal and private levels. The scope of public health, its history, organization, and coverage of important current topics such as “Healthy People 2010” will be discussed. Other topics reviewed but not limited to are: CAD (Complementary Alternative Medicine), Diet in the USA, Medicating of children, acute and chronic diseases, disease control, environmental hazards such as global warming and specific public health responsibilities of the healthcare practitioner.

**PUBH 3615 Emergency Procedures (0-2-1)**

*Prerequisite: DIAG 2725, 2740, PUBH 3515*

This course emphasizes the development of student skills in recognition of symptoms of illnesses, injuries, and correct procedures of emergency care, in addition to emergency differential diagnostic protocol. Additional didactic and practical instruction in the subjects of toxicology and cardiopulmonary resuscitation are also presented.

**PUBH 3617 Nutrition and Health (2-0-2)**

*Prerequisite: PUBH 1517*

This course focuses on the relationship between diet and good health and also addresses methods for assessing the nutritional status of a patient. Dietary recommendations for prevention of disease and management of common conditions are emphasized.

**PUBH 3625 Clinical Toxicology (2-0-2)**

*Prerequisite: DIAG 2735, PUBH 3515*

This course is intended to enhance the student’s understanding of clinical pharmacology as related to disorders of the human organism including vertebral subluxation. The student will learn in lecture to develop a basic working knowledge of pharmacokinetics for the more common medications currently being used today, understanding their toxicity and how they develop, how they interact with other medications, contraindications, and commonly used alternatives that impact those medications. The student will also learn how over the counter medications impact the individual and medications prescribed to them.

**PUBH 3684 Functional Restoration and Active Care (2-0-2)**

*Prerequisite: CPAP 3625*

This course is an introduction to the active care practice for the chiropractor. The integrated nature of the kinetic chain is emphasized, and assessment, functional rehabilitation and reactivation strategies are discussed with a focus on the neuromechanics of the spine and core stability. Upon successful completion of this course the student will understand the integrated nature of the kinetic chain with respect to normal and faulty spinal stabilization strategies, and will be

competent in the assessment of deviation from normal structure and function in key kinetic chain. Required Curricula Class for NBCE PT Eligibility

**PUBH 3717 Clinical Nutrition** (2-0-2)

*Prerequisite: PUBH 3617*

This course focuses on the relationship between diet and disease. Emphasis will be placed on dietary and nutrition recommendations for management of conditions which significantly impact an individual's ability to consume, digest, absorb, and/or metabolize foods and nutrients.

**PUBH 3725 – Toxicology and Substance Abuse** (2-0-2)

*Prerequisite: PUBH 3625*

This course presents the student clinician with a working knowledge of the fundamental components of addiction and addiction management. Emphasis is placed on the important role that chiropractic care can play in the management of addictions. The neurological mechanisms of addictions are also delineated in detail

**PUBH 4747 Obstetrics/ Gynecology/Proctology**  
(\*PUBH 4205 lec and 4208 lab) (4-2-5)

*Prerequisite: CLET 3835*

This course provides the student with an understanding of the potential disorders specific to the functions of the female body from puberty through pregnancy and into menopause. Emphasis is placed upon structure and function in relation to the necessity for chiropractic care or referral. This course also emphasizes the development of student skills in performing both gynecological and proctological assessments. The student will be able to recognize normal vs. abnormal findings.

This course also includes 10 gynecological examinations and 10 proctological examinations performed on mannequins. \*Transfer students may get credit for lecture portion be required to take or audit the Lab to fulfill graduation completion requirement.

**PUBH 5541 Physiological Therapeutics - Adjunct Procedures (MSHS 541)** (3-2-3)

*Prerequisite: CLIN 3608*

This course is designed for those who will be utilizing physiological therapeutic modalities to augment their treatment and care programs. Instruction on the use of various electrotherapy, acoustical, and mechanical devices, as well as safe and effective procedures are covered. Required Curricula Class for NBCE PT Eligibility

**PUBH 5543 Physiological Therapeutics - Rehabilitative Procedures**  
(MSHS 543) (3-2-3)

*Prerequisite: CLIN 3608*

This course is designed for those who will be utilizing rehabilitative procedures in conjunction with various modalities to augment their treatment and care program. Instruction on therapeutic/rehabilitative exercises as well as treatment protocols are

covered. Also included are discussions on the use of thermotherapies and soft tissue work in conjunction with exercise. Required Curricula Class for NBCE PT Eligibility

**PUBH 5545 Physiological Therapeutics Clinical Practicum – (0-6-0)**  
(Clinical Therapeutic & Rehabilitative Procedures)

*Prerequisite: PUBH 5541, 5543 (or MSHS 541, 543)*

This course, coordinated via the C-HOP Rehabilitation Center, will afford the student an opportunity to apply the various rehabilitative procedures and therapeutic modalities to augment patient management. To successfully pass and complete this course, a minimum of 30 patient encounters is required. This 0 credit course will bill the same as 1 credit of tuition. Required Curricula Class (or PUBH 5850) for California and Ohio License Eligibility

**PUBH 5850 Physiological Therapeutics – Advanced Clinical Practicum (0-150-0)**

*Prerequisite: PUBH 5541, 5543 (or MSHS 541, 543)*

This course, coordinated via the C-HOP Rehabilitation Center, will afford the student an opportunity to apply the various rehabilitative procedures and therapeutic modalities to augment patient management. To successfully pass and complete this course a minimum of 150 hours of clinical physiological therapeutics practicum with 30 patient encounters is required. This 0 credit course will bill the same as 1 credit of tuition. Recommended Curricula Class for Maryland (can be also used for California or Ohio License Eligibility).

**PUBH 5600 Exercise Physiology (MSHS 600) (4-0-3)**

*Prerequisite: CLIN 3609 (10th quarter student or above)*

The study of the physiological responses and adaptations to exercise in terms of how they relate to human performance limitations, training effects, and health-related benefits. Emphasis will be given to a study of the components of physical fitness. Exercise metabolism and nutrition will be covered.

**PUBH 5612 Exercise Testing & Prescription (MSHS 612) (3-2-3)**

*(Prerequisite: PUBH 5600)*

This course provides the study of the fundamental principles of exercise testing and prescription for healthy and diseased states. Ergometry commonly employed in human performance labs, clinical settings, and health clubs will be evaluated. Topics discussed include medical screening, strength testing, power and flexibility, anaerobic and aerobic fitness assessment, body composition, exercise prescription, and metabolic calculations.

**PUBH 5624 Strength Training and Development (MSHS 624) (4-0-3)**

*Prerequisite: CLIN 3609 (10th quarter student or above)*

This course examines the design and implementation of various types of resistance training programs, the underlying neuromuscular and physiological basis for various types of resistance training exercises, and the acute responses and chronic adaptations to resistance training exercise.

**PUBH 5642 On-Field Emergency Care (MSHS 642) (2-0-2)**

*Prerequisite: CLIN 3609 (10th quarter student or above)*

This course offers the comprehensive study of the assessment and management of traumas and medical emergencies that occur in sports. The course focuses on the life-threatening conditions that occur to the head, neck, chest, abdomen, and spinal cord. Physiological, environmental, and physical processes that lead to these life-threatening injuries are examined.

**PUBH 5646 Therapeutic Agents (MSHS 646) (3-2-3)**

*Prerequisite: CLIN 3609 (10th quarter student or above)*

This course provides the Study of selected physical agents commonly used in athletic training. Topics include hydrotherapy, massage, thermotherapy, cryotherapy, and traction.

**PUBH 5648 Principles of Therapeutic Exercise (MSHS 648) (4-0-3)**

*Prerequisite: CLIN 3609 (10th quarter student or above)*

This course provides the study of the basic principles and techniques used to rehabilitate joints, muscles, and other soft tissue conditions. This course is required in the special interest curricula and athletic training.

**PUBH 5865 Pediatric Health Challenges (2-0-2)**

*Prerequisite: DIAG 3765, PSYC 3605, TECH 3850*

This course provides the student with advanced information related to assessing more common presenting problems now being seen in chiropractic pediatrics. This class structure will encompass the many neurobehavioral as well as the physical challenges seen in a primary care, family-based chiropractic office. Students will become proficient in these topics and build their clinical reasoning skills through a multi-modal learning experience through learning chiropractic, neurological, and functional rehabilitative treatment methods.

## **RADIOLOGY**

**Total Clock Hours: 440**

**Total Credit Hours: 31**

**RADD 1611 Normal Radiographic Anatomy and Anomalies I (1-1-1.5)**

*Prerequisite: ANAT 1607*

This course presents a delineation of normal radiographic anatomy along with fundamental principles of interpretation with a primary focus on the spine. Students will learn to assess radiographic data, in order to distinguish between normal radiographic findings and abnormal findings that may be indicative of underlying pathophysiological processes.

**RADD 2501 X-ray Physics (3-2-4)**

This course will enable the student to acquire and then demonstrate knowledge of x-ray physics. This course covers the theory of x-ray production, photon

properties, radiographic image resolution, x-ray systems and their components. Also included are the implementation of a radiographic facility in private practice, quality assurance, radiobiology, and radiation safety practices.

**RADD 2612 Normal Radiographic Anatomy and Anomalies II (1-1-1.5)**

*Prerequisite: ANAT 1507, RADD 1611*

This course presents a delineation of normal radiographic anatomy along with fundamental principles of interpretation with a primary focus on extremities. Students will learn to assess radiographic data, in order to distinguish between normal radiographic findings and abnormal findings that may be indicative of underlying pathophysiological processes.

**RADD 2711 Skeletal Radiology A (3-1-3.5)**

*Prerequisite: RADD 2612*

This course encourages the development of a systematic and logical approach to the detection and evaluation of skeletal abnormalities via radiographic procedures. Interpretive skills are introduced that enable students to understand bone development and to recognize basic radiographic signs and pathologies. Topics covered include bone anatomy and physiology, radiographic signs of bone and joint pathology, introduction to CT and MRI, metabolic bone diseases and extremity arthritis. Correlation to related clinical findings for assessment of chiropractic significance is stressed.

**RADD 2712 Skeletal Radiology B (2-1-2.5)**

*Prerequisite: RADD 2711*

This course encourages the development of a systematic and logical approach to the detection and evaluation of skeletal abnormalities via radiographic procedures. Interpretive skills are reinforced that enable students to understand bone development and to recognize basic radiographic signs and pathologies. Topics covered include review of rheumatoid type arthritis, skeletal tumors, osteomyelitis, avascular necrosis and Paget's disease. Correlation to related clinical findings for assessment of chiropractic significance is stressed.

**RADD 3511 Spinal X-Ray Positioning (1-2-2)**

*Prerequisites: RADD 1611, 2501*

This course provides the study of the technical aspects of safely conducting radiographic examinations, including: measurement, positioning of the axial skeleton, technique factor selection, radiation protection and equipment set-up and operation. Emphasis is on the projections commonly used in chiropractic practice. Students are required to demonstrate proficiency in the techniques of full spine positioning.

**RADD 3512 Extra Spinal X-Ray Positioning (0-2-1)**

*Prerequisites: RADD 2501, 2612*

This course completes a student's study of osseous radiographic positioning. Radiographic positioning of the appendicular skeleton is studied in detail, as are film



size, collimation, immobilization, patient shielding, and film marking. Students are required to demonstrate proficiency in the techniques of extremity positioning.

**RADD 3620 Radiology Report Writing (0-2-1)**

*Prerequisites: PATH 2542, RADD 2712*

This class is designed to give the student the experience of composing written narrative reports with a primary focus on learning the basics of writing a detailed and accurate radiology report. Emphasis will be placed on appropriate format and language usage within the report's "Heading, body, impressions and recommendations sections. The radiological reports will be written on a variety of normal and abnormal cases exposing the student to diverse pathologic processes. Emphasis on recognition of normal versus abnormal anatomy is also stressed.

**RADD 3701 Radiographic Quality and Critique (0-2-1)**

*Prerequisites: RADD 2712, 3511, 3512, 3620*

This course is a review and an expansion to the radiographic quality knowledge base. This course will provide instruction on an approach for determining the merits of a radiographic film / series' quality and demonstrate the means for related critique towards the constant improvement of radiographic procedures in an office setting. Emphasis is directed toward the demonstration, identification and causes of radiographic errors and artifacts. Discussions on the formulation of a technique chart and the quality of anatomical structures are included

**RADD 3713 Skeletal Radiology C (2-1-2.5)**

*Prerequisite: RADD 2712*

This course continues the development of a systematic and logical approach to the detection and evaluation of skeletal abnormalities via radiographic procedures, including advanced imaging. Interpretive skills are reinforced that enable students to understand bone development and to recognize basic radiographic signs and pathologies. Topics covered include roentgenometrics, radiographic congenital anomalies, review of extremity degenerative and inflammatory arthritic disorders, and spinal degenerative arthritis, including DISH and spinal neuropathic arthritis. Correlation to related clinical findings for assessment of chiropractic significance is stressed.

**RADD 3714 Skeletal Radiology D (2-1-2.5)**

*Prerequisite: RADD 3713*

This course continues the development of a systematic and logical approach to the detection and evaluation of skeletal abnormalities via radiographic procedures, including advanced imaging. Interpretive skills are reinforced that enable students to recognize basic radiographic signs and pathologies. Topics covered inflammatory spinal arthritis, scoliosis, hematological disorders, skeletal dysplasias and skeletal trauma including upper and lower extremity fractures as well as spine trauma. Correlation to related clinical findings for assessment of chiropractic significance is stressed.

**RADD 3717 Soft Tissue Radiology A**

(2-1-2.5)

***Prerequisite: RADD 3714***

This course provides a logical approach to the detection and evaluation of chest abnormalities via radiographic procedures including plain film and advanced imaging. Interpretive skills are reinforced that enable students to understand and recognize basic radiographic signs and pulmonary/mediastinal pathologies. Topics covered include chest radiographic technology, pulmonary and mediastinal anatomy, pulmonary radiographic signs of airspace and interstitial disease as well as acute pulmonary infections and pulmonary cavitation. Correlation to related clinical findings for assessment of chiropractic significance is stressed.

**RADD 3718 Soft Tissue Radiology B**

(3-1-3.5)

***Prerequisite: RADD 3717***

This course continues a logical approach to the detection and evaluation of chest and abdominal abnormalities via radiographic procedures including plain film and advanced imaging. Interpretive skills are reinforced that enable students to understand and recognize basic radiographic signs and pulmonary/mediastinal and plain film abdominal pathologies. Topics covered include bronchial disorders, occupational/inhalational lung disease, chronic granulomatous lung disease, pulmonary tumors both primary and metastatic, COPD, pneumothorax, diseases of the pleura mediastinum and diaphragm, pulmonary circulatory disorders including pulmonary hypertension, pulmonary edema and thromboembolic disease, cardiac disorders including cyanotic and noncyanotic heart disease and plain film abdomen including calcifications and ileus. Correlation to related clinical findings for assessment of chiropractic significance is stressed.

**RADD 4820 Advanced Imaging**

(2-0-2)

***Prerequisite: RADD 3718***

This course presents information concerning advanced imaging for the detection and evaluation of musculoskeletal and other conditions. Techniques covered include Magnetic Resonance Imaging (MR), Diagnostic Ultrasound (DUS), Single Photon Emission Computed Tomography (SPECT), Positron Emission Tomography (PET), Electron Beam Tomography (EBT), Bone Densitometry, Nuclear Medicine, and Computed Tomography. The objective of the course is to provide a basic understanding of the various techniques, their clinical indications, contraindications, and usefulness in a clinical setting.

**DIVISION OF CLINICS****Total Clock Hours: 801-1791****Total Credit Hours: 32-68**

The Division of Clinics is committed to providing quality patient care and excellence in clinical education through the continued development of clinical competencies and the development and practice of the knowledge, attitudes, and skills necessary to start into chiropractic practice.

The objective of the Division of Clinics is to provide the student supervised practical

experience in integrating the philosophy, science, and art of Chiropractic through the observation and delivery of chiropractic care to patients in a clinical environment. Clinic courses occur concurrently throughout the Doctor of Chiropractic program while the student is completing the basic, clinical and chiropractic sciences, and culminate in the clinic practicum courses during the final quarters of their experience.

Observation and supervision of student interns by clinic faculty begins at an early stage in a student's career. After having had an introduction to body structures, function, malfunction and diagnosis, and the fundamentals of basic techniques of spinal adjusting, students begin observing and providing care for classmates on a reciprocal basis. As students mature through the educational and clinical processes, they begin to broaden their experiences through work with student families and outpatients. Patient progress, records, and procedures are evaluated and compared in various clinical forums.

### **CLINICAL EDUCATION (Clinical Setting)**

Observation, interaction, and supervision with clinic faculty begins at an early stage in a student's career. During the first six quarters of scholastics the student is also acclimated to their future clinical environments. After having had an introduction to body structures, function, malfunction and diagnosis, and the fundamentals of basic techniques of spinal adjusting, students will observe clinical care of classmates. These opportunities to observe procedures and protocols and interact with future clinical mentors are in order to provide a smoother transition from academics to clinical settings.

### **CLINICAL EDUCATION (Clinical And Competency Examinations)**

A Clinical Knowledge Competency Test (CKCT) is a written exam covering the 6 quarters of basic sciences courses that is given to students prior to entry into student clinic. Two, Objective Structured Clinical Examinations (OSCE), which are multi-station practical examinations, are also given. These OSCE are designed to measure the interns clinical competency and enable them to proceed to higher levels of clinical involvement. Students who are unable to successfully complete a specific examination are not permitted to advance. Specific competencies measured in OSCE are: the case history, neuromusculoskeletal examination, physical examination, and x-ray interpretation. Full spine technique and motion palpation will also be tested.

### **CLINIC PRACTICUM COURSES:**

These courses are opportunities to acquire clinical experience required for graduation. As the individual student progresses, an increasing variety of techniques may be utilized and an increased level of performance and responsibility is expected. Mentoring through direction, supervision, and the practical application of patient care by the clinic faculty is provided in all clinic practicum courses. Students are evaluated according to their ability to demonstrate clinical

competence, completion of quantitative and qualitative clinical requirements, and are graded on a Pass/No Pass basis for each Practicum course.

## Three Level Clinical System

By creating a multi-level approach to clinical education, an infrastructure has been developed to allow for a more integrated approach to patient care and a more structured approach for attaining increasing levels of responsibility in the delivery of chiropractic care while contributing to the overall goals of the College of Chiropractic.

Level I Clinic experience encompasses the Pre-Clinic courses in quarters 1-7 as well as the Clinic Intern experience in the Campus Center for Health and Optimum Performance (CC-HOP) during quarters 8 and 9. Level I Clinic is where basic clinical competencies are developed. It will provide an environment where there will be close faculty supervision. In this environment, the patient experience is more time consuming than what would be expected in a Level II or Level III clinic. The majority of patients in a Level I clinic should not be complex cases. Progressing to Level II clinic requires, in addition to other requirements, meeting the clinical minimum requirements of 50 adjustments and 5 exams.

Level II Clinic experience encompasses the Clinic Intern experience in the Center for Health and Optimum Performance (C-HOP) during quarters 10, 11, and 12. Level II is where students will continue to develop clinical competency and critical thinking skills. Although clinical competency development continues, the student now needs access to a larger volume and variety of patients with a range of conditions. In this setting, the student must be able to be mentored from faculty with significant patient management expertise. In a Level II clinic, complex cases are expected and needed, will include a variety of specialties (e.g., radiology, orthopedics, rehabilitation, pediatrics, nutrition or sports) and provide the expertise required of a chiropractic clinic in an educational environment. Progressing to Level III clinic requires, in addition to other requirements, meeting the clinical minimum requirements of 140 adjustments, 15 exams and 20 x-rays.

Level III Clinic experiences encompass the Clinic Intern experience in off campus facilities during quarters 13 and 14. These clinical opportunities may be experienced in one of Life University's Community Outreach Clinics or International clinics or may be in the office of a Life University extension faculty in the local area, out of state, internationally or even in a military teaching hospital setting. Level III is where the student will begin integration into a broader health care environment and be exposed to an increased range, variety and complexity of cases. Patient management must reflect a heightened skill in clinical time management without compromising care standards or the patient's sense of receiving excellent care. In addition this experience will allow for direct interaction with the business aspects of running a practice in a variety of settings. Requirements for graduation will be completed during this level of clinical education.

## Level I Clinic (1st – 9th Qtr.)

Knowledge from individual courses in the Basic, Clinical, and Chiropractic Sciences will be integrated and applied. The focus is on developing fundamental skills through perception, comprehension and the discovery of definitive characteristics required for student application.

### CLIN 1501 (1st) Clinical Patient Experience I (0-1-0)

This course provides first quarter students the opportunity for initial exposure to the clinic system, allowing students to become patients in the clinic and/or be involved in the clinical experience by observing clinic procedures and patient assessment procedures. Students are introduced to federal confidentiality guidelines and begin to appreciate the significance of protected health information.

### CLIN 1502 (2nd) Clinical Patient Experience II (0-1-0)

This course is a continuation of CLIN 1501. The student will continue to be involved in clinical experiences through observing patient and intern assessment procedures. Students will begin to gain understanding and appreciation for the roles and responsibilities of a Doctor of Chiropractic while acquiring skills in establishing a doctor patient relationship by observing patient care encounters and intern assessment procedures. Basic clinic processes and procedures are introduced and expectations of student behavior while in clinic are reinforced. Patient confidentiality concepts are further explored.

### CLIN 1503 (3rd) Clinical Patient Observation I (0-1-0)

*Pre-Requisites: CLIN 1502*

This course allows students to begin to develop the ability to interact with patients, interns and clinic faculty, learning appropriate patient dialogue and inter-professional communication skills. Students begin to integrate and apply the knowledge, skills, and attitudes acquired from classroom training throughout different patient encounters.

### CLIN 2504 (4th) Clinical Patient Observation II (0-1-0)

*Pre-Requisites: CLIN 1502*

This course introduces students to basic concepts of the patient health record and health record maintenance models. Clinical documentation strategies are introduced laying a foundation which can be built upon in future courses. Students are given an opportunity to relate these concepts with processes utilized in the LUCC clinic system as well as observe a case management review. Students begin to become familiar with the business aspects of a chiropractic practice.

### CLIN 2505 (5th) Clinical Recording History and Chiropractic I (0-1-0)

*Pre-Requisites: CLIN 2504, DIAG 2725*

These courses provides students the opportunity to continue to interact professionally with patients, understand appropriate patient dialogue, deepen and enhance listening and empathy skills, and observe how to overcome barriers

in communication with patients. Students continue to integrate the knowledge, skills, and attitudes acquired during classroom training through practical application with increased responsibility. Students become more familiar with clinic operations, business forms and procedures, and how to incorporate classroom training into the daily experience of how a clinic functions.

**CLIN 2506 (6th) Clinical Recording History and Chiropractic II (0-1-0)**

*Pre-Requisites: CLIN 2505*

This course is a continuation of CLIN 2505 and will provide a more hands-on approach to patient care through participation in the clinical encounter. The student will assist a clinic intern during the patient encounter to further develop clinical competencies addressing psychomotor skills, cognitive and affective competencies.

**CLIN 3507 (7th) Student Clinic Orientation (1-2-3)**

*Pre-Requisites: CLIN 2506*

The student is presented with an introduction to the clinic policies and procedures located in the Life University Clinic Intern Handbook and also patient care procedures with emphasis on Patient Privacy (HIPAA), Case Management Review (CMR), record documentation, and adjusting, utilizing the Full Spine and Life Toggle techniques.

The student will also be presented with, from previous courses, a review of educational material that will emphasize practical situations. The students will be expected to continue to build upon their foundation to integrate information obtained from their patient interactions. These interactions may include, patient's history, physical examination, laboratory tests, radiographic studies, chiropractic analysis, in order to develop a working diagnosis and case management plan, including goals and appropriate outcomes for care.

Successful completion of this course also requires documentation of current CPR certification

**CLIN 3601 (7th ) Clinical Knowledge Competency Test (CKCT) (0-.2-0)**

*Prerequisites: ANAT 2647, ANLS 1618, DIAG 2725, 2735, 2740, MICR 2533, 2537, PATH 2542, PHYS 2535, 2545, PUBH 1517, RADD 2711,*

The student is expected to be able to demonstrate and integrate basic science with chiropractic and clinical science. Their integrative knowledge basis is expected in order to proceed toward using and developing their skills within a clinical setting.

**CLIN 3608 (8th) Student Clinic I Practicum (0-6-3)**

*Prerequisites: ANLS 3715, CLET 3757, CLIN 3507\*, 3601, DIAG 2735, 3750, RADD 2712, 3511, TECH 2701, 3713 (\*Documented CPR certification is required)*

This course provides a transitional experience from the classroom into active patient care delivery. Students continue in their development of clinical competency through patient care in the Student Clinic. This course provides opportunities to build on acquired patient case management experiences,

continuity of care concepts, providing mentoring to lower quarter students, as well as continuing to develop clinical and reasoning skills. Patient care takes place under close supervision and direction of Student Clinic faculty clinicians who continually assess the student's clinical competency.

**CLIN 3609 (9th) Student Clinic II Practicum** (0-6-3)

*Prerequisites: CLIN 3608*

This course is a continuation of CLIN 3608. The student continues with active student and student family patient care while mentoring lower quarter students under the guidance and supervision of a faculty clinician who assesses the intern's clinical competency on a continuing basis.

**CLIN 3701 (9th) Objective Structured Clinical Examination (OSCE)** (0-1-0)

*Prerequisites: CLIN 3608, DIAG 3750, 3745, 3743, RADD 3713*

The CLIN 3701 OSCE is a multi-station practical examination that is designed to measure the interns' clinical competency. Specific competencies measured are: the case history, physical examination, neuromusculoskeletal examination and x-ray interpretation. Full spine technique and motion palpation will also be tested (given the fourth [4th] week of the quarter). The CLIN 3701 OSCE is intended to ensure that an Intern possesses the necessary skills, knowledge and abilities to enter the junior level, outpatient clinic at Life University College of Chiropractic (LUCC). The student is expected to pass an Observed Structured Clinical Examination in order to enter CLIN 3710 Practicum,

**CLIN 3709 (9th) Outpatient Clinic Orientation** (0-2-1)

*Pre-Requisites: CLIN 3608*

This course provides a more in-depth perspective to the clinic policies and procedures located in the Life University Clinic Intern Handbook with special emphasis on outpatient care procedures including Patient Privacy (HIPAA), Case Management Review (CMR), and record documentation.

## **Level II Clinic (10th– 12th Qtr.)**

Knowledge and skills acquired during the Level II experience provides a framework for further developing critical thinking skills. The focus is on refinement of fundamental skills by accomplishing competencies clearly and deliberately through practical application with ever-increasing levels of expertise.

## **Level II Practicum Courses**

These courses are opportunities to acquire clinical experience required for graduation. As the individual student progresses, an increasing variety of techniques may be utilized and an increased level of performance and responsibility is expected. Mentoring through direction, supervision, and the practical application of patient care by the clinic faculty is provided in all clinic practicum courses. Students are evaluated according to their ability to demonstrate clinical

competence, completion of quantitative and qualitative clinical requirements, and are graded on a Pass/No Pass basis for each Practicum course.

**CLIN 3710 (10th) Junior Clinic Outpatient I Practicum (0-6-3)**

*Prerequisites:* CLIN 3609, 3701, 3709, CPAP 3715,  
PUBH 3615 RADD 3512, 3620, 3713

Interns begin to provide care for outpatients while continuing in their development of clinical competency through a variety of patient care encounters. The clinic faculty doctors take primary responsibility for the student's clinical education and the direction and management of patient care. Interns continue to be assessed daily by faculty clinicians. Demonstration of ability to exercise increased clinical responsibility is expected.

**CLIN 4711 (11th) Junior Clinic Outpatient II Practicum (0-6-3)**

*Prerequisites:* CLIN 3710

This course is a continuation of CLIN 3710. Interns continue to provide care to outpatients and in their development of clinical competency through continued care of patients in a Life University outpatient facility while under the direct supervision of a faculty clinician. Interns are expected to be able to handle a wide range of clinical presentations and continue to be assessed daily by faculty clinicians.

**CLIN 4712 (12th) Junior Clinic Outpatient III Practicum (0-6-3)**

*Prerequisites:* CLIN 4711

This course is a continuation of CLIN 4711. Interns are expected to continue to handle the entire range of day-to-day clinical activities. Interns continue to provide care to outpatients and in their development of clinical competency through continued care of patients in a Life University outpatient facility while under the direct supervision of a faculty clinician. Interns continue to be assessed daily by faculty clinicians and are expected to pass an Objective Structured Clinical Examination (OSCE) along with this course in order to advance in clinic.

**CLIN 4801 (12th) Objective Structured Clinical Examination (OSCE) (0-1-0)**

*Prerequisites:* CLIN 4711, CLET 3826, 3828, 3835, 4840, DIAG 3755,  
3765, 3835, PUBH 3717, 4747, RADD 3718, TECH 3838

The CLIN 4801 OSCE is a multi-station practical examination that is designed to measure the Intern's clinical competency. Specific competencies measured are: the case history, critical thought, physical examination, neuromusculoskeletal examination and x-ray interpretation.

**CLIN 4812 (12th) Level III Clinic Experience Orientation (0-1-0)**

*Prerequisites:* CLIN 4711

This course is designed to orientate an intern to their potential Level III Clinic Practicum experiences. An intern will be provided with the various choices of experiences currently available and specifically be guided through the information



and paperwork needed to apply for a PEAK(Practice Excellence Art and Knowledge) practice, domestically (locally or out-of-state) or internationally.

### **Level III Clinic (13th and 14th Quarter)**

Skill development and knowledge acquired provide a framework for continued development of critical thinking skills. The focus is on continued refinement of fundamental skills by accomplishing competencies clearly and deliberately through practical application with ever-increasing levels of expertise. Graduation requirements are expected to be completed during this level.

### **Level III Practicum Course Descriptions**

Students are utilizing all of the skills necessary to manage a wide range of patient presentations. Students will demonstrate the ability to accept graduated responsibilities in conjunction with delivering patient care. Opportunities exist that allow students to expand their patient care and cultural knowledge and understanding by participating in this senior level clinic experience.

These courses are opportunities to acquire mandatory clinical experience. As the individual progresses, an increasing variety of techniques may be utilized and an increased level of responsibility is demanded. Close supervision and control by the supervising clinician are provided in all clinic practicum courses. Students are evaluated according to their ability to demonstrate clinical competence, completion of quantitative clinical requirements, and are graded on a Pass/No Pass basis.

All chiropractic care, educational components, or community participation conducted while an intern is enrolled in a CLIN course will remain congruent with the standards of care and education that occur in the Life University College of Chiropractic, its clinics and are required by the Council on Chiropractic Education.

P.E.A.K.: Performance: Excellence, Art, and Knowledge: Clinic P.E.A.K. option is a clinical experience that will offer the highest level of instruction and practical skills development. Interns will have the unique opportunity to work under the direct supervision of a Life University Extension Faculty member providing chiropractic care in a private office.

OUTREACH: The Outreach option is a clinical experience that encourages community participation with a service oriented mind set. This is a special opportunity to serve the underemployed, unemployed or otherwise disadvantaged population. Under the direct supervision of Life University clinic faculty your clinical knowledge and skills will be enhanced by a challenging and complex patient base.

### **The Life University Sport Health Science Institute (LUSSI)**

Life University Sports Science Institute (LUSSI) option is a clinical experience that focuses on the care of high performance athletes. Life University's vitalistic chiropractic orientation to optimizing personal physical performance is one of

the most successful ways of achieving athletic success. LUSI Interns will have the unique opportunity to work under the direct supervision of Life University Faculty members providing chiropractic care to the Life athletic community via a Sport Health Science practicum and Level III clinic opportunities. Under the supervision of faculty, students have the opportunity to gain expertise in providing:

- Chiropractic care
- Multi-disciplinary injury assessment, care and recovery
- Rehabilitation and athletic training
- Kinetic chain assessment
- Rehabilitation strategies

**INTERNATIONAL CLINIC:** This option is a clinical and cultural experience that will offer the highest level of engagement, with both patients and citizens of the chosen international destination. Interns will have the unique opportunity to work under the direct supervision of Life University faculty member(s) providing chiropractic care in a chiropractic division of a hospital and/or local community health center and rotate through a variety of clinical departments within the hospital while observing the clinical procedures of other health professions. In addition, interns will reside in the assigned country and have the opportunity to experience and acquire an appreciation of the culture through tourist activities and participating in community and social events.

**GAVA:** Georgia Veterans Administration Hospital. This option is a clinical and cultural experience that will offer the highest level of engagement, with both patients and citizens of the chosen destination. Interns will have the unique opportunity to work under the direct supervision of Life University faculty member(s) providing chiropractic care in a chiropractic division of a hospital and/or local community health center and rotate through a variety of clinical departments within the hospital while observing the clinical procedures of other health professions.

### **Double P.E.A.K. Policy**

Simultaneous registration for CLIN 4813 and CLIN 4814 (\*See #3 below)

Those students entering the Level III clinic program may request permission to participate in a double P.E.A.K., if the following criteria are met:

1. If no on campus coursework is scheduled during the school week (Mon. – Fri.) during the double P.E.A.K. quarter.
2. The student has no other holds or restrictions that would prohibit registration for a double P.E.A.K.
3. \*If a student requests, CLIN 4814 may be substituted for by CLIN 4834 (Immersion Clinic) or CLIN 5854 (International Immersion Clinic). This will

allow the student to complete up to 6 elective credits by enrolling in a P.E.A.K. Immersion course.

4. The office in which the student is placed is capable of meeting, at minimum, the hours, adjustments and other requirements that would be associated with the selected double P.E.A.K.

The student must make the request for a double P.E.A.K. through the office of the Executive Director of Level III Clinic Programs and receive additional approval from the Director of Clinic Advisement, the Dean of Clinics and the Dean of Instruction.

If approved the student may be registered for double P.E.A.K. with the understanding that they will be held to the cumulative standards associated with participation

### **LEVEL III Clinic Choices - Must take at least two of following**

(Depending on a student's choice, completion of a minimum 12 or 18 credits of electives is required to graduate)

#### **CLIN 4813 (13th) Level III Clinic Practicum I (0-14-7)**

*Prerequisites: CLIN 4712, 4801, TECH 3850, 4822*

Interns continue to manage outpatients in conjunction with licensed faculty doctors. Interns are now able to utilize all of the technique and diagnostic tools taught in the core curriculum. Opportunities exist that allow Interns to expand their patient care knowledge and understanding by participating in optional clinical experiences. Interns are in the final stages for preparing for their entrance into the practice of Chiropractic.

OR

#### **CLIN 4814 (14th) Level III Clinic Outpatient Practicum II (0-14-7)**

*Prerequisites: CLIN 4813 or 5833*

Interns are utilizing all of the skills necessary to manage a wide range of patient presentations. Interns will demonstrate the ability to accept graduated responsibilities in conjunction with delivering patient care. Opportunities exist that allow Interns to expand their patient care knowledge and understanding by participating in supervised clinical experiences. Interns will complete their quantitative requirements in anticipation of graduation.

OR

#### **CLIN 4834 Level III Immersion Practicum (0-24-12)**

*Prerequisites: CLIN 4813 or 5833*

Interns are utilizing all of the skills necessary to manage a wide range of patient presentations. Interns will demonstrate the ability to accept graduated responsibilities in conjunction with delivering patient care. Opportunities exist that allow Interns to expand their patient care knowledge and understanding

by participating in supervised clinical experiences. Interns will complete their quantitative requirements in anticipation of graduation. Interns are immersed in one Adjunct Faculty's private practice. Credit is given in place of CLIN 4814 and up to 6 credits toward the general elective graduation requirement.

OR

**CLIN 5833 Level III Immersion Practicum Elective (0-24-12)**

*Prerequisites: CLIN 4712, 4801, TECH 3850, 4822*

Interns continue to manage outpatients in conjunction with licensed faculty doctors. Interns are now able to utilize all of the technique and diagnostic tools taught in the core curriculum. Opportunities exist that allow Interns to expand their patient care knowledge and understanding by participating in optional clinical experiences. Interns are in the final stages for preparing for their entrance into the practice of chiropractic. Interns are immersed in one Adjunct Faculty's private practice. Credit is given in place of CLIN 4813 and up to 6 credits toward the general elective graduation requirement.

OR

**CLIN 5854 Level III International Practicum Elective (0-30-12)**

*Prerequisites: CLIN 4712, 4801, TECH 3850, 4822*

In clinical setting outside the United States, Interns are utilizing all of the skills necessary to manage a wide range of patient presentations. Interns will demonstrate the ability to accept graduated responsibilities in conjunction with delivering patient care. Opportunities exist that allow interns to expand their patient care knowledge and understanding by participating in optional clinical experiences. Interns will be working toward completing or have already completed their quantitative requirements in anticipation of graduation. Credit is given in place of CLIN 4813 or CLIN 4814 and up to 6 credits toward the general elective graduation requirement or may be used for the education experience after completing all minimum clinical quantitative requirements.

## OTHER CLINIC ELECTIVES

**CLIN 5600 Clinic Re-entry / Entry Exam (0-0-0)**

This course is designed to assess a student's skills, after a clinic absence of one or more quarters, for placement back into or transfer into the clinic practicum environment. Assessment is offered twice each quarter.

**CLIN 5700 (10th) Student Clinic Practicum Elective (0-0-0)**

*Prerequisites: CLIN 3609 and not taken or "NP" OSCE/CLIN 3701 and CLIN 5600 (Clinic Re-entry test if applicable)*

This course is for ninth quarter interns who are academically ineligible to participate in the next student clinic –CLIN 3710 but wish to continue the

opportunity to maintain and continue to develop clinical skills in the student clinic environment. This 0 credit course will bill the same as 1 credit of tuition.

**CLIN 5800 (13th) Outpatient Clinic Practicum Elective (0-0-0)**

*Prerequisites: CLIN 4712 and not taken or "NP" OSCE/CLIN 4801 and CLIN 5600 (Clinic Re-entry test if applicable)*

This course is for thirteenth quarter interns that are academically ineligible to participate in the Level III outpatient clinic choices - i.e. CLIN 4813, but wish to continue the opportunity to maintain and continue to develop clinical skills in the outpatient clinic environment. This 0 credit course will bill the same as 1 credit of tuition.

**CLIN 5823 (14th) Level III Practicum Elective (0-0-0)**

*Prerequisites: CLIN 4801 and CLIN 5600 (Clinic Re-entry test if applicable)*

This course is for fourteenth quarter interns or above who wish to limit their participation in the Level III clinic choices but will continue the opportunity to maintain and continue to develop clinical skills in the Level III clinic environment. This 0 credit course will bill the same as 1 credit of tuition.

## Cross-listed Elective Courses

### Physiotherapeutics Adjunctive and Rehabilitative Procedures

Life University, recognizing the need for chiropractic students to meet certain chiropractic licensing board requirements in physiological therapeutics, offers a two-course sequence within the Department of Sport Health Science in the College of Graduate Studies and Research, PUBH 5541 – Adjunctive Procedures 3 credits (AKA... MSHS 541- 4 credits), and PUBH 5543 – Rehabilitative Procedures 3 credits (AKA... MSHS 543 - 4 credits).

To satisfy the 120 hours instruction in physiological therapeutics required by the National Board of Chiropractic Examiners and most states, Life University students must successfully complete PUBH 3684 – Functional Restorative and Active Care – 2 credits (required for all students) and the two above-mentioned electives, PUBH 5541 and PUBH 5543 (three credits each in the DCP) - Please note registration of MSHS 541 & MSHS 543 are charged 4 credits. Each program, upon successful completion, will award / transfer the appropriate credit toward the respective degree.

### Physiotherapeutics Clinical Practicums

Two additional physiotherapeutic practicum courses are offered (for 0 credit), PUBH 5545 Physiotherapeutic Clinical Practicum and PUBH 5850 Physiotherapeutic Advanced Practicum, to assist students in documenting clinical physiotherapeutics procedures and practicum time as required for licensure eligibility in some states. These two courses are coordinated through the C-HOP Rehabilitative Center. (For Maryland, California and Ohio.

While these courses are accepted by many state licensing boards and by the National Board of Chiropractic Examiners, students should refer to the laws and applicable rules with regard to the current licensing requirements in each state in which they intend to seek licensure.

Life University accepts for credit equivalent physiological therapeutics courses taught by other accredited Colleges of Chiropractic. However students are responsible for determining whether particular state licensing boards to which they wish to apply will allow the course taken at another College of Chiropractic to satisfy a physiological therapeutics requirement.

Life University does not accept, for elective credit, those courses taught through any college/school of Chiropractic's program of postgraduate education, as such programs are not accredited.

### **Other Cross-listed Electives (from Graduate Program - SHS Dept.)**

The following elective courses, although have been listed previously above represent the specific, cross-listed courses made available from the College of Graduate Studies and Research. These courses can be used toward the minimum 18 credits of elective requirement for the Doctor of Chiropractic degree.

**ANLS 5670 Kinesiology of Sport (MSHS 670) (4-0-3)**

*(Prerequisite: CLIN 3609 (10th quarter student or above))*

This course offers the study of anatomical and kinesiological principles applied to the qualitative analysis of human motion in sports skills. Topics include movement terminology, muscle mechanics and function, levers, and an introduction to kinematics and kinetics of human motion.

**ANLS 5676 Biomechanics of Sport Injury (MSHS 676) (4-0-3)**

*(Prerequisite: CLIN 3609 (10th quarter student or above), ANLS 5670*

This course is designed to introduce students to the force-motion relationships within the musculoskeletal system and the various techniques used to understand these relationships. Topics include the biomechanics of major joints, tissues, and structures of the musculoskeletal system such as bone, cartilage, tendon, ligament, nerve, and muscle. The student will utilize the concepts learned to investigate the injuries in specific sports.

**DIAG 5650 Injury Assessment of the Lower Body (MSHS 650) (4-0-3)**

*(Prerequisite: CLIN 3609 (10th quarter student or above))*

This course provides the systematic evaluation of exercise-induced injuries to the lower body including the hip and groin. Prevention and management of these injuries are also considered.

**DIAG 5652 Injury Assessment of the Upper Body (MSHS 652) (4-0-3)**

*(Prerequisite: CLIN 3609 (10th quarter student or above))*

This course provides the systematic evaluation of exercise-induced

injuries to the upper body including the head, neck, and low back. Prevention and management of these injuries are also considered.

**PUBH 5600 Exercise Physiology (MSHS 600) (4-0-3)**

*Prerequisite: CLIN 3609 (10th quarter student or above)*

The study of the physiological responses and adaptations to exercise in terms of how they relate to human performance limitations, training effects, and health-related benefits. Emphasis will be given to a study of the components of physical fitness. Exercise metabolism and nutrition will be covered.

**PUBH 5612 Exercise Testing & Prescription (MSHS 612) (3-2-3)**

*(Prerequisite: PUBH 5600)*

This course provides the study of the fundamental principles of exercise testing and prescription for healthy and diseased states. Ergometry commonly employed in human performance labs, clinical settings, and health clubs will be evaluated. Topics discussed include medical screening, strength testing, power and flexibility, anaerobic and aerobic fitness assessment, body composition, exercise prescription, and metabolic calculations.

**PUBH 5624 Strength Training and Development (MSHS 624) (4-0-3)**

*Prerequisite: CLIN 3609 (10th quarter student or above)*

This course examines the design and implementation of various types of resistance training programs, the underlying neuromuscular and physiological basis for various types of resistance training exercises, and the acute responses and chronic adaptations to resistance training exercise.

**PUBH 5642 On-Field Emergency Care (MSHS 642) (2-0-2)**

*Prerequisite: CLIN 3609 (10th quarter student or above)*

This course offers the comprehensive study of the assessment and management of traumas and medical emergencies that occur in sports. The course focuses on the life-threatening conditions that occur to the head, neck, chest, abdomen, and spinal cord. Physiological, environmental, and physical processes that lead to these life-threatening injuries are examined.

**PUBH 5646 Therapeutic Agents (MSHS 646) (3-2-3)**

*Prerequisite: CLIN 3609 (10th quarter student or above)*

This course provides the Study of selected physical agents commonly used in athletic training. Topics include hydrotherapy, massage, thermotherapy, cryotherapy, and traction.

**PUBH 5648 Principles of Therapeutic Exercise (MSHS 648) (4-0-3)**

*Prerequisite: CLIN 3609 (10th quarter student or above)*

This course provides the study of the basic principles and techniques used

to rehabilitate joints, muscles, and other soft tissue conditions. This course is required in the special interest curricula and athletic training.

**TECH 5657 Arthrokinematics & Proprioception of Lower Body (MSHS 657)** (4-0-3)

*Prerequisite: CLIN 3609 (10th quarter student or above), TECH 3838*

This course provides the study of lower extremity joint function that is not produced by the action of voluntary muscles. Advanced techniques of extremity adjusting, as an adjunct to spinal adjusting, are studied.

**TECH 5658 Arthrokinematics & Proprioception of Upper Body (MSHS 658)**(4-0-3)

*Prerequisite: CLIN 3609 (10th quarter student or above), TECH 3837*

This course provides the study of upper extremity joint function that is not produced by the action of voluntary muscles. Advanced techniques of extremity adjusting, as an adjunct to spinal adjusting, are studied.

**TECH 5659 Chiropractic Sport Management (MSHS 659)** (4-0-3)

*Prerequisite: CLIN 3609 (10th quarter student or above), TECH 5657 & TECH 5658*

This course provides the study of a systematic process of developing of case management skills as it pertains to sport injury. The course focuses on the more common athletic injuries seen in the clinical and on field settings. The student learns how to diagnosis, rehabilitate and adjust such injuries.

**“Nothing is so contagious as a man with a made-up mind,  
or a person who is enthusiastic.**

**Enthusiasm moves mountains and topples fortresses.”**



