

SYLLABUS

Name of course: Fractal Biology- The Science of Vitalism **CPP-197**

Length of Course: 16 hours (4 hours per week)

Course Description: Crisis ignites evolution. The challenges and crises facing our world are signs that change is imminent ... we are in the midst of an evolutionary upheaval.

Frontier science is shattering old myths and rewriting the fundamental beliefs that take us beyond economic collapse, climate change, and healthcare crises, to reveal that such chaos is a natural step in an unfolding process, rather than the tragic end to a broken planet. For humanity to evolve, we must profoundly change the way we are living on this planet!

Advances in quantum biophysics and cell biology hold the key to manifesting life-affirming shifts that we can make in our personal lives, as well as collectively in our families, communities, and even between nations. Knowledge is power. The knowledge offered in Fractal Biology will empower your personal and profession lives.

Prerequisites: CPP-117 Principles of Chiropractic Philosophy

Course Offered By: Department of Philosophy
Interim Department Chair Dr. Scott Donaldson D.C

Required Text: None

Reference Texts: Lipton, Bruce H., *The Biology of Belief: Unleashing the Power of Consciousness, Matter and Miracles*, Hay House: New York; 2007

Lipton, Bruce H. and Bhaerman, Steve, *Spontaneous Evolution: Our Positive Future And A Way To Get There From Here*, Hay House: New York; 2010

Videos: Biology of Belief “Lite” 2011 (in Library)
Spontaneous Evolution 2012 (in Library)

Evaluation:

Final Exam	100 points
A (4.0) Superior work	90-100%
B (3.0) Above average work	80-89%
C (2.0) Average work	70-79%
F (0.0) Failure - The student must repeat the entire course	0-69%

In order to maintain satisfactory Academic Progress, a student must maintain a 2.0 or better in each and every course. Any grade less than a C must be remedied by repeating the class.

Extra Credit: This course does not offer extra credit work.

College Policy applies to; Attendance, Conduct, Responsibility, Incompletes, Remakes or Make-up Exams, Special Testing, Accommodations, Overlaps, etc...

Course Objectives:

Week 1: In search of the “Secret of Life.” What have we been taught and how much of that is currently “true?” The evolution of a “new” biology reveals a solid scientific foundation for D. D. palmer’s Chiropractic Philosophy.

Introduction: A brief history of Western Civilization. This philosophical approach emphasizes how the ancient “perennial questions” have shaped civilization and how new answers to the ageless questions are now provoking the creation of a new civilization.

After the historical set-up, the course will start with a review of how Reductionism became science’s lens to study the Universe. What happens when one reaches the ultimate reduction of life? It leads to the realization of Holism, the science of how everything is connected. This is the path that leads to an understanding of how a protein “moves” (reductionism) and from there, an insight into the fundamental nature of life and evolution.

Pyramid of Science: The story of how each branch of “science” evolved over the ages. How the insights offered by the stratification and evolution of each branch of science are relevant to today’s perception of the Universe.

Fractal Mathematics: The first floor in the science pyramid, mathematics, shapes our physical world. Understanding the significance of “As Above, So Below” as a fundamental principal implied in fractal mathematics. Seeking the patterns to predict the nature of Nature.

Week 2: Physics: In search of the “mechanisms” that drive the movement of the Universe. Knowledge of the primary mechanics of movement offers insight in to the hows and whys of life. Conventional biomedical science emphasizes a Newtonian approach based upon the principles of Materialism, Reductionism, and Determinism.

Biochemistry: The origin and nature of life’s macromolecule building blocks. Understanding the mechanics of how and why molecules move and through this process, generate life. The evolution of quantum physics introduces the “new” biology and simultaneously verifies fundamental spiritual wisdom.

Quantum Biophysics: Revealing a new chemistry, whose mechanics are assessed through the influence of quantum physics, offers new insight into

the nature of how “signals” provide for protein movement. The science of how vibrational resonance provides a more efficient and effective signal than does conventional molecular signals (e.g., drugs).

Systems: To understand “life” requires an understanding of the components that comprise a “system” and how they interact. The evolution of a “system,” through the sequential origin of its components, is a pattern mirrored in the evolution of living organisms.

Week 3: Cell Membrane: Life needed a “controllable” domain in which to arise. All living organisms share a basic membrane that provides for a sustainable, regulatable domain. The cell membrane is more than “plastic wrap,” for it is the brain of the cell. How the human brain works is patterned in the operation of the cell membrane as an information transducer.

Biology of the Cell: A review that reveals the cell as a fractal pattern of a human, and of the superorganism, Humanity. The new science emphasizes personal empowerment over classical victimization.

Evolution: In 1809, Jean-Baptist de Lamarck published the first theory of evolution, a theory that, today, is more scientifically correct than the later Darwinian theory (1859). Science’s original *Tree of Life* emphasizes an evolution pattern of an infinitely slow and continuous sequence of genetic changes that enhance organismal evolution.

In contrast, when evolution is viewed as an ever-increasing level of consciousness (related to nervous system development), the functional role of the cell membrane takes on profound significance. A novel theory of nervous system evolution based on membrane structure and function reveal an evolutionary path punctuated by start and stop points. The new insights provide an ordered pattern to past evolution while offering insight into the future of human civilization.

Week 4: Spirituality: A spiritual foundation is fundamental in the philosophy of chiropractic. Biomedical research on cellular “self-receptors” offers valuable insight into the nature of human identity and our connection with a unique environmental information “field” (aka, spirit).

Psychology: By strict definition, a single human being in reality is an organized community of about 50 trillion amoeba-like cells, whose behaviors are coordinated by the central nervous system (brain and spinal cord) the peripheral nervous system. While the brain and nerves are the “hardware” of nervous system, the behavioral functions are more closely related to behavioral software known as the mind.

The mind is composed of two interdependent minds, the larger (90%) Subconscious Mind and the newer and smaller Conscious Mind interpret and respond to environmental stimuli. The conscious mind is the creative mind while the subconscious mind is primarily the habitual mind.

Programming: This section defines why the movie *The Matrix* is not science-fiction but in reality a documentary. In order for consciousness to function there must first be behavioral programs. From the last trimester of pregnancy through the first seven years of age, a child's brain is predominantly operating at a *theta* EEG vibration, which is the state of hypnosis. All the child hears, sees, experiences are downloaded into the subconscious mind. Seventy percent or more of our developmental downloads are disempowering, self-sabotaging and limiting. Unfortunately, our lives are controlled 95% of the time by our subconscious programs. Only 5% of the time does our creative conscious mind's wishes, desires and aspirations control our behavior, shaping our lives and our biology.

Reprogramming limiting Subconscious behaviors: The course will review how conscious and subconscious minds differ in the nature of their programming and why it has been "hard" train new, supportive subconscious "habits." Information will be provided on how to rewrite limiting beliefs and create life experiences that manifest Heaven-on-Earth.

Student Learning Outcomes (SLO): At the completion of the CPP-328 course, a student should be able to:

1. Demonstrate an understanding of the basic nature of protein biology and mechanisms of conformation change. [PLO: 3,7]
2. Develop a basic knowledge of how the mechanics of quantum-biophysics provide for life. [PLO: 3,7]
3. Understand the basic elements of signal transduction, specifically the role of environmental signals in controlling gene activity (Epigenetics). [PLO: 3,7]
4. Describe the elements of the new biology that provide a scientific foundation for the practice defined by Chiropractic Philosophy. [PLO: 3,7,9]
5. Describe the nature of the biological model of mind-body interactions that educates, empowers and promotes self-responsibility. [PLO: 7,9]
6. Describe the pathways by which the conscious and subconscious minds control behavior and gene expression. [PLO: 7]
7. Trace the pathways by which prenatal and perinatal experiences provide programmed perceptions that shape an individual's physiology and behavior. [PLO: 7]
8. Develop a basic knowledge of how cultural beliefs shape civilization and the role played by the Perennial Questions in today's evolutionary upheaval. [PLO: 7]
9. Understand the basic fractal geometry of Nature and how its iterated patterns shape the fate of human civilization. [PLO: 7]
10. Describe how the Biological Imperative provides for the development of the Honeymoon Effect, including the mechanisms that control its characteristics. [PLO: 7]

Program Learning Outcomes (PLO): Students graduating with a Doctor of Chiropractic degree will demonstrate proficiency in the following:

1. **ASSESSMENT AND DIAGNOSIS:** An assessment and diagnosis requires developed clinical reasoning skills. Clinical reasoning consists of data gathering and interpretation, hypothesis generation and testing, and critical evaluation of diagnostic strategies. It is a dynamic process that occurs before, during, and after the collection of data through history, physical examination, imaging, and laboratory tests.

2. **MANAGEMENT PLAN:** Management involves the development, implementation and documentation of a patient care plan for positively impacting a patient's health and well-being, including specific therapeutic goals and prognoses. It may include case follow-up, referral, and/or collaborative care.
3. **HEALTH PROMOTION AND DISEASE PREVENTION:** Health promotion and disease prevention requires an understanding and application of epidemiological principles regarding the nature and identification of health issues in diverse populations and recognizes the impact of biological, chemical, behavioral, structural, psychosocial and environmental factors on general health.
4. **COMMUNICATION AND RECORD KEEPING:** Effective communication includes oral, written and nonverbal skills with appropriate sensitivity, clarity and control for a wide range of healthcare related activities, to include patient care, professional communication, health education, and record keeping and reporting.
5. **PROFESSIONAL ETHICS AND JURISPRUDENCE:** Professionals comply with the law and exhibit ethical behavior.
6. **INFORMATION AND TECHNOLOGY LITERACY:** Information and technology literacy are manifested in an ability to locate, evaluate and integrate research and other types of evidence, including clinical experience, to explain and manage health-related issues and use emerging technologies appropriately.
7. **INTELLECTUAL AND PROFESSIONAL DEVELOPMENT:** Intellectual and professional development is characterized by maturing values and skills in clinical practice; the seeking and application of new knowledge; and the ability to adapt to change.
8. **BUSINESS:** Assessing personal skills and attributes, developing leadership skills, leveraging talents and strengths that provide an achievable expectation for graduate success. Adopting a systems-based approach to business operations. Networking with practitioners in associated fields with chiropractic, alternative medicine and allopathic medicine. Experiencing and acquiring the hard business skills required to open and operate an on-going business concern. Participating in practical, real time events that promote business building and quantifiable marketing research outcomes
9. **PHILOSOPHY:** Demonstrates an ability to incorporate a philosophically based Chiropractic paradigm in approach to patient care. Demonstrates an understanding of both traditional and contemporary Chiropractic philosophic concepts and principles. Demonstrates an understanding of the concepts of philosophy, science, and art in chiropractic principles and their importance to chiropractic practice.