

## Syllabus

<b><u>Name of Course:</u></b>	Embryology ANAT 125
<b><u>Length of Course:</u></b>	2 Units, 33 Hours
<b><u>Course Description:</u></b>	This course is designed to give the student an understanding of fetal and embryological life with an emphasis on early fetal development.
<b><u>Prerequisites:</u></b>	ANAT-126
<b><u>Course Offered by:</u></b>	Basic Science Department
<b><u>Required Text:</u></b>	Before We Are Born, Keith Moore
<b><u>Recommended Text:</u></b>	None
<b><u>Reference Texts:</u></b>	None
<b><u>Materials:</u></b>	None
<b><u>Method of Instruction:</u></b>	Instruction will be provided in the form of in class lecture/discussion and power point presentations.

### **Evaluation/Grading Criteria:**

There will be two 100 point exams and a 100 pt. final exam.  
Grades will be assigned according to the following scale: [out of 300 pts]

A = 4.0 90-100%  
B = 3.0 80-89%  
C = 2.0 70-79%  
F = 0.0 0-69%

Grades and the Grading System Final Grades are available online through the CAMS student portal. If there are any questions on grading procedures, computation of grade point average, or the accuracy of the grade report, please contact the Registrar's Office or the Office of Academic Affairs. Grades will be reported and evaluation will be based on the Academic Policies, Procedures, & Services. Please refer to Evaluation Policy (**Policy ID: OAA.0007**)

In order to maintain **Satisfactory Academic Progress**, a student must maintain a 2.0 or better in each and every course. **Any grade less than a C must be**

**remedied by repeating the class.** Please refer to Satisfactory Academic Progress (**Policy ID: OAA.0006**)

**Attendance:**

Please refer to Attendance Policy (**Policy ID: OAA.0002**)

**Conduct and Responsibilities:**

Please refer to the Personal Conduct, Responsibility and Academic Responsibility Policy (**Policy ID: OAA.0003**)

**Make-up Exams:**

Please refer to Make-up Assessment Policy (**Policy ID: OAA.0001**)

**Request for Special Testing:**

Please refer to Request for Special Testing (**Policy ID: OAA.0004**)

**Accommodation for Students with Disabilities:**

If you have approved accommodations, please make an appointment to meet with your instructor as soon as possible. If you believe you require an accommodation, but do not have an approved accommodation letter, please see the Academic Counselor Lori Pino in the Office of Academic Affairs. Contact info: Lpino@lifewest.edu or 510-780-4500 ext. 2061. Please refer to Service for Students with Disabilities Policy (**Policy ID: OAA.0005**)

**Electronic Course Management:**

Canvas is LCCW's Learning Management System (LMS). Canvas will be used throughout the quarter during this course. Lectures, reminders, and messages will be posted. In addition, documents such as the course syllabus and helpful information about the class project will be posted. Students are expected to check Canvas at least once a week in order to keep updated. The website address for Canvas is <https://lifewest.instructure.com/login/canvas> Please refer to the Educational Technologies Policy (**Policy ID: OAA.0009**)

**Extra credit:**

None

**COURSE OBJECTIVES:**

The student will be able to gain knowledge of the basis of embryology as it relates to the early weeks of development through the formation of body systems. Different pathologies will also be discussed as they relate to the developmental processes of the body.

## **Course Objectives:**

**Week 1:** Review Syllabus; Introduction to Embryology

**Week 2:** Human Reproduction; Normal Cycles; Fertilization

**Week 3:** Weeks 1 through 3 of Human Development

**Week 4:** Introduction of nervous system development, Exam 1 is given (Oct. 27)

**Week 5:** Continue Nervous System; Cardiovascular System; Placental Development NO CLASS FRIDAY

**Week 6:** Body Cavities and Mesenteries; Pharyngeal Apparatus

**Week 7:** Begin discussion of the digestive system from primordial gut tube through full function of the system. EXAM 2 GIVEN (November 17)

**Week 8:** Respiratory System; Urogenital System; NO CLASS FRIDAY

**Week 9:** Continue Urogenital System; Musculoskeletal System

**Week 10:** Continue Musculoskeletal System; Integumentary System

**Week 11:** Final exam is given.

## **Learning Outcomes: Embryology ANAT 125**

**Student Learning Outcomes (SLO):** At the completion of the ANAT 125 course, a student should be able to:

### **This Course Aligns to PLOs: (2 and 3)**

1. The student will comprehend the early stages of embryologic development as well as terminology dealing with the subject.
2. The student will comprehend the developmental processes for the different body systems and their relationship to each other and the environment.
3. The student will comprehend different pathologies as they relate to the developmental process of the body and their cause.
4. The student will have knowledge of possible prevention of certain developmental conditions and diseases, as well as possible treatments from a medical, chiropractic, and natural viewpoint.

**Program Learning Outcomes (PLO):** Students graduating with a Doctor of Chiropractic degree will be proficient in the following:

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

**2. MANAGEMENT PLAN:** Management involves the development, implementation and documentation of a patient care plan for positively impacting a patient's health and well-being, including specific therapeutic goals and prognoses. It may include case follow-up, referral, and/or collaborative care.

**3. HEALTH PROMOTION AND DISEASE PREVENTION:** Health promotion and disease prevention requires an understanding and application of epidemiological principles regarding the nature and identification of health issues in diverse populations and recognizes the impact of biological, chemical, behavioral, structural, psychosocial and environmental factors on general health.

**4. COMMUNICATION AND RECORD KEEPING:** Effective communication includes oral, written and nonverbal skills with appropriate sensitivity, clarity and control for a wide range of healthcare related activities, to include patient care, professional communication, health education, and record keeping and reporting.

**5. PROFESSIONAL ETHICS AND JURISPRUDENCE:** Professionals comply with the law and exhibit ethical behavior.

**6. INFORMATION AND TECHNOLOGY LITERACY:** Information literacy is a set of abilities, including the use of technology, to locate, evaluate and integrate research and other types of evidence to manage patient care.

**7. CHIROPRACTIC ADJUSTMENT/MANIPULATION:** Doctors of chiropractic employ the adjustment/manipulation to address joint and neurophysiologic dysfunction. The adjustment/manipulation is a precise procedure requiring the discrimination and identification of dysfunction, interpretation and application of clinical knowledge; and, the use of cognitive and psychomotor skills.

**8. INTERPROFESSIONAL EDUCATION:** Students have the knowledge, skills and values necessary to function as part of an inter-professional team to provide patient-centered collaborative care. Inter-professional teamwork may be demonstrated in didactic, clinical or simulated learning environments.

**9. BUSINESS:** Assessing personal skills and attributes, developing leadership skills, leveraging talents and strengths that provide an achievable expectation for graduate success. Adopting a systems-based approach to business operations. Networking with practitioners in associated fields with chiropractic, alternative medicine and allopathic medicine. Experiencing and acquiring the hard business skills required to open and operate an on-going business concern. Participating in practical, real time events that promote business building and quantifiable marketing research outcomes

**10. PHILOSOPHY:** Demonstrates an ability to incorporate a philosophically based Chiropractic paradigm in approach to patient care. Demonstrates an understanding of both traditional and contemporary Chiropractic philosophic concepts and principles. Demonstrates an understanding of the concepts of philosophy, science, and art in chiropractic principles and their importance to chiropractic practice.