

Crafton Hills College - Outcomes Assessment Report

Course: ANAT 151: Human Anatomy & Physiology II

Term: XXXX

Date: XXXX

1. Learning Outcomes Statement

To assure students who have completed ANAT 150 and 151 acquired the comprehensive understanding of human anatomy and physiology.

A student finishing up the ANAT 150/151 series will be able to:

- Demonstrate the usage of the light microscope.
- Understand the human body at the cellular and molecular levels.
- Recognize gross human body structures.
- Comprehend human body functions.
- Understand common disease processes in society.

2. Means of Assessment (Measurement Method)

Gross anatomy: The learning outcome for the students will be assessed during the lab practical exams. During a practical the students are asked to identify anatomical structures. The exams are comprehensive, rigorously structured and timed. Three to five questions will be selected from a pool and included on either the sensory, cardiovascular, respiratory/ digestive or urinary/reproductive practical exams for all sections of ANAT 151.

Microscopic anatomy: The learning outcome for the students will be assessed during the practical exams. Three to five questions will be selected from a pool and included on one exam for all sections of ANAT 151.

Physiology: The learning outcome for the students will be assessed during the regular exams for each section of ANAT 151. On two occasions during the semester, three to five multiple-choice questions on physiological function will be selected from a pool and included in the exams.

4. Dissections: At one point during the semester, the students will be scored by their instructor as to the quality of their dissection. The exposure of all organs or structures without tissue damage will earn 100%. The exposure of all organs with minimal tissue damage will earn 90%. Exposure of some organs with minimal tissue damage will receive an 80% score. Exposure of some organs with tissue damage will receive 70%. Failure to expose one organ or large amounts of tissue damage will earn 60%. Failure to complete the task will earn 40%.

Comprehensive understanding of Anatomy & Physiology: The learning outcome for the students will be assessed at the beginning and conclusion of the semester. A Pre-Test Assessment is administered on the first day of the course, before instruction, and a Post-Test Assessment will be administered on the last day of instruction.

3. Criteria for Success (Benchmark)

The results of each assessment described above will be tabulated and compared with the expectation of 75% or greater as passing. This is the standard passing score for most healthcare related licensing boards.

4. Summary of Evidence

Table 3. Results of Pre-Test and Post-Test Assessment for ANAT 151 Pilot Program. Spring 2011.

	N	Possible	Ranges	Mean	Percentage
Pre-Test Assessment	116	50	14.0 – 44.0	25.6	51.2%
Post-Test Assessment	90	50	09.0 – 49.0	36.8	73.6%

N = sample size; **Possible** = total number of questions on the assessment; **Ranges** = lowest to highest raw score; **Mean** = Average score; **Percentage** = average percentage achieved by this sample pool.

The results above were obtained from ANAT 151 during a pilot from Spring 2011. The sample size (N) consisted of 2 lectures with 4 lab sections. The difference in the sample size from Pre- to Post-Test was due to students who may have either dropped the course or were absent on the day the Post-Test was administered.

There is an overall improvement of 22.4% from 51.2% (Pre-Test) to 73.6% (Post-Test) after a semester of instruction.

5. Use of Results (Implications for Program Improvement & Planning)