

Crafton Hills College - Outcomes Assessment Report

Course: ANAT 150: Human Anatomy & Physiology I

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 one or two of their practical exams for all sections of ANAT 150.

Microscopic anatomy: The learning outcome for the students will be assessed during the practical exam on histology. Three to five questions will be selected from a pool and included in the lab practical for all sections of ANAT 150. The results will be tabulated and compared with the expectation of 75% or greater as passing.

Physiology: The learning outcome for the students will be assessed during the regular exams for each section of ANAT 150. 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.

Laboratory skills: The learning outcome for the students will be assessed during laboratory hours. Use of the microscope: Under the observation of their instructor, students will be given a slide and asked to bring a specific structure into focus at a specific magnification. They will also be asked to change the light level of the microscope. Each mistake earns a 10% deduction from 100%.

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 2. Results of Pre-Test and Post-Test Assessment for ANAT 150 Pilot Program. Spring 2011.

	N	Possible	Ranges	Mean	Percentage
Pre-Test Assessment	64	49	10.0 – 37.0	21.6	44.5%
Post-Test Assessment	54	49	13.0 – 46.0	34.0	63.4%

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 150 during a pilot from Spring 2011. The sample size (N) consisted of 1 lecture with 2 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.

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