

Crafton Hills College - Outcomes Assessment Report

Course: ANAT - 101

Term: XXXX

Date: XXXX

1. Learning Outcomes Statement

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 101.

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 exam for all sections of ANAT 101.

Physiology: The learning outcome for the students will be assessed during the regular exams for each section of ANAT 101. 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 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

Of the SLOs above, the comprehensive understanding of anatomy and physiology was piloted in Spring 2011 and is implemented in full assessment for Fall 2011. The assessment consists of a 50 questions multiple-choice Pre-Test and Post-Test. The 2 tests are identical, except they are administered at different times of the semester. The Pre-Test is administered on the first day of the semester before any materials are introduced. The Post-Test is administered on the last day of instructions before the final exam. The Spring 2011 pilot program assessed a total of 6 sections that consisted of ANAT 101,

ANAT 150, and ANAT 151. This department will continue to assess this SLO in the 2011-12 academic year.

The data from the pilot program are presented in Table 1 through Table 3.

Table 1. Results of Pre-Test and Post-Test Assessment for ANAT 101 Pilot Program. Spring 2011.

	N	Possible	Ranges	Mean	Percentage
Pre-Test Assessment	195	50	00.0 – 44.0	22.7	45.4%
Post-Test Assessment	127	50	09.0 – 48.0	33.1	66.2%

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 101 during a pilot from Spring 2011. The sample size (N) consisted of 3 different lectures and 6 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 20.8% from 45.4%% (Pre-Test) to 66.2% (Post-Test) after a semester of instruction.

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