Eastern West Virginia Community and Technical College
COURSE ASSESSMENT REPORT

Course Title and Number: BIO 124 ANATOMY & PHYSIOLOGY I	Academic Term and Year of Assessment Activity (Ex: Fall, 2009) Fall 2010
Report Submitted By: Gene "Scott" Hammer	Course Delivery Format Traditional Section
Date Report Submitted: 1-21-11	Number of Students Assessed: 24
Faculty Participants Full-time Faculty: 0 Adjunct Faculty: 1	Number of Sections Included: 1

Course Role in the Curriculum

Provide a description of the role the course serves in the curriculum (i.e. general education requirement, program technical core, restricted elective, etc.). Note all as appropriate.

General education science for all degrees and required science for the Nursing Program

Assessment Methods

Provide a description of the assessment process used. Include description of instrument and performance standards in description. Note all methods.

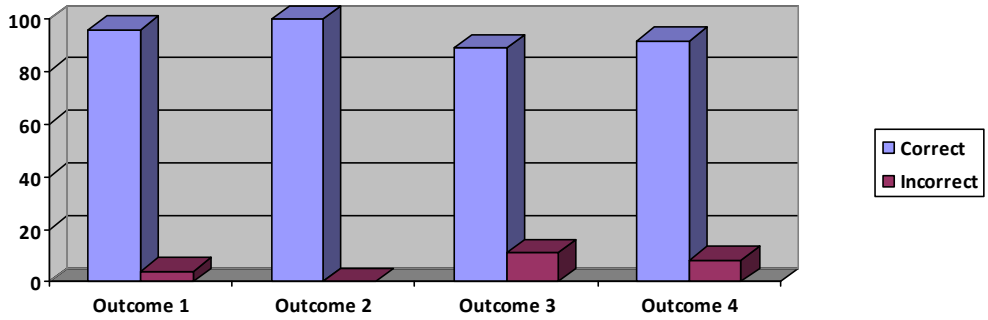
Comprehensive Final Exam

Assessment Results

Provide a summary of results including tables/charts. Incorporate information from previous assessments as appropriate. Append additional pages if necessary. If appending, include notation in box to "See attached".

Based on the existing data, all learning outcomes were met at the minimum performance standard (See Table 1) Ninety-five percent (95.8%) of the students successfully completed the indicator for Learning Outcome 1 (Define anatomy and physiology, and explain how they are related). A hundred percent (100%) of the students successfully completed the indentified indicator for Learning outcome 2 (List the biological levels of organization and the characteristics of each). Eighty-eight percent (88.8%) of the students successfully completed the identified indicator for Learning Outcome 3 (Define homeostasis and explain its importance to survival. Ninety-one percent (91.6%) of the students successfully completed the identified indicator of learning outcome 4 (Name the major organ systems and list the organs associated with each).

Table 1: Distribution of performance Standards for outcomes 1 through 4



Course Level Assessment Summary of Outcomes, Indicators and Results Course Title and Number BIO 124 Anatomy & Physiology I Number of students in assessment sample = 24 Number of Sections in Assessment = 1 Add additional rows to table if necessary (Note: % is based on the number of responses for all indicators used for each learning outcome)				
Learning Outcomes (Insert learning outcomes assessed during this cycle)	**Indicator (Insert indicators used for each outcome: exam question, scoring rubric, etc. Be specific)**	**Percent of Correct Responses**	**Percent of Incorrect Responses**	**Performance Standard Met (75%)* (yes or no)**
Outcome 1: Define anatomy and physiology, and explain how they are related.	The science of Anatomy deals with the study of: a. matter and energy b. function of the body c. structure of the body d. evolution of the human body The science of Physiology deals with the study of a. matter and energy b. function of the body c. structure of the body d. evolution of the human body	95.8% (46)	4.1% (2)	Yes
Outcome 2: List the biological levels of organization and the characteristics of each	In the human body, the most complex level of organization is: a. Cell b. Tissue c. Organ d. Organ system e. Organism _____are described as groups of layers of cells that have common functions. a. Organs b. Organisms c. Tissues d. Organ systems	100% (48)	0	YES
Outcome 3: Define homeostasis, and explain its importance to survival	If the effectors that regulate body temperature do not function correctly, which of the following will not occur? a. Skin sensors detect a change in body temperature b. Skin sensors report the information to the temperature regulation center c. Sweat glands increase perspiration or shivering begins d. The brain compares actual body temperature to normal body temperature In a healthy person, homeostasis means that internal body conditions: a. Do not change or fluctuate b. Change around the set point c. Remain exactly at predetermined	88.8% (64)	11.1% (8)	YES

	set points d. Change in response to changes in the external environment Choose the true statement regarding positive feedback: a. It occurs when the heart rate increases during exercise. b. It reinforces or strengthens the original stimulus. c. Positive feedback mechanisms are usually of long duration. d. It produces dilation of surface blood vessels when a person exercises on a hot day.			
Outcome 4: Name the major organ systems, and list the organs associated with each	Which of the following is not a part of the integumentary system? a. hair b. mucous membranes c. skin d. sweat gland The system that produces progeny is the: a. digestive system b. reproductive system c. nervous system d. endocrine system What system of your body controls you body by using chemical hormones? a. cardiovascular b. reproductive c. nervous d. endocrine	91.6% (66)	8.3% (6)	YES

* Please note if using a different minimum performance standard.

Conclusions and Action Plan **Provide a brief summary of conclusions derived based on analysis of data. Identify action plan for improvement or maintaining current performance levels. Append additional pages if necessary. If appending, include notation in box to "See attached".**
In conclusion, this course level assessment of Anatomy and Physiology I finds that all four outcomes are being met at the minimum performance standard of 75%. The participating faculty members have been made aware of the course level assessment and attainment of the outcomes for the classes they taught. Their continued input as to which outcomes to monitor will be utilized in future course level assessments. This final report is available to all science faculty and suggestions or comments from them will be considered for possible changes to the course. The science faculty are also meeting with the Nursing Program director to review the alignment of the Anatomy and Physiology Learner Outcomes to the sequencing of the Nursing courses and curriculum.

Effective Date for Changes or Curriculum Proposal Submission to LOT (if recommended)	**Proposed Date for Reassessment**

Assessment Committee Approval (To be posted by Assessment Committee Chair)	LOT Review (To be posted by Assessment Committee Chair)
Date: 2-28-11 (SB-G)	**Date: 3-21-11 (SB-G)**