

DAP 0809 Science E and W - Evaluating Anatomy and Physiology I Course Prerequisites

Operational Unit: Science EAC

Unit Purpose Statement: The mission of the EAC Science Division is to provide educational opportunities that give students the knowledge and skills needed for a lifetime of critical inquiry and scientific learning.

Initiative Contact: Joseph Bivins

Strategic Initiative: Learning Assured

Goal Outcome: Implement optimal learning environments for students.

Objective: Learning Outcomes

Objective Description: Develop, align, and review program learning outcomes to assure a cohesive curricular and co-curricular experience that enhances student learning.

Initiative's Relation to the Strategic Plan:

Quantitative and Scientific Reasoning outcomes will be measured for students completing Anatomy and Physiology I. A comparative evaluation will be completed for students entering Anatomy and Physiology I after completing different prerequisites.

Expected Results and the Means of Assessment

Expected Results 1: Currently, there are three different routes students use to meet the science prerequisites for Anatomy and Physiology I (BSC2093C). Faculty will evaluate course prerequisites and reach a consensus as to their impact in predicting student success.

Means of Assessment: 1) Faculty will develop assessment instruments to administer to students enrolled in Anatomy and Physiology I courses. The student's performance will be analyzed and assessed based upon the route the students used to meet the course prerequisites.

2) Further data will be gathered, from institutional research to evaluate student successful completion of Anatomy and Physiology I based upon the route the students used to meet the course prerequisites.

Individual Responsible: Joseph Bivins

Expected Completion: 8/1/2009

Stakeholders: Frances Frierson (10697) Joseph Bivins (10676)

Results: Students enrolled in BSC 2093C were surveyed about the completion of their pre-requisite courses. The data was collected, analyzed and then correlated to a measure of performance on pre-test and post-test questions. Data collection will continue through academic year 2009-10. This DAP is a collaborative effort between WEC and EAC.

Implementation Plan

Budget Requirements: None

Results to Improve: Preliminary results indicate that the three pre-requisite routes, students previously enrolled in BSC1010C or its equivalent had the greatest percentage of improvement on Pre- vs. Post-test scores in BSC2093C.

Changes for Next Year: The faculty and Deans of Science for both East and West campuses agree that a larger sample size is needed. WEC and EAC will continue to distribute surveys and Pre- vs. Post-tests to students enrolled in BSC 2093C in both 201010 and 201020.

Additional Document Attachments

File: <http://net3.valenciac.edu/sip/uploads/Results DAP 2008-09-W+E.pdf>