

Evaluating Anatomy and Physiology 1 Course Prerequisites

Operational Unit: Science WEC

Unit Purpose Statement: The mission of the WEC 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: Frances Frierson

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 1. A comparative evaluation process will be generated for students entering Anatomy and Physiology 1 after completing different prerequisite courses.

Expected Results and the Means of Assessment

Expected Results 1: Currently, three different routes can be used by students to meet the Science prerequisite for enrolling in Anatomy and Physiology 1 (BSC 2093C). Faculty will evaluate these 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 BSC 2093C. Student performance will be analyzed and assessed based upon the route the students used to meet the course prerequisite.

2: Further data will be gathered from Institutional Research to evaluate successful student completion of BSC 2093C based upon the route the students used to meet the course prerequisite.

Individual Responsible: Frances Frierson

Expected Completion: 8/1/2009

Stakeholders: Frances Frierson Joseph Bivins

Results: Students enrolled in BSC 2093C were surveyed about completion of pre-requisites. The data was collected and analyzed and then compared to a measure of performance on pre-test/post-test questions. Data collection will continue into 2009-10. This DAP is a collaborative effort between WEC and EAC.

Implementation Plan

Budget Requirements: None anticipated.

Results to Improve: Preliminary results indicate that of the three pre-requisite routes, students previously enrolled in BSC 1010C or its equivalent had the greatest percentage of improvement on Pre-vs. Post test scores in BSC 2093C.

Changes for Next Year: More data from 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.valenciacc.edu/sip/uploads/DAP_2008-09-WEC.docx