Objective/Outcomes Report:

Planning Unit: Mathematics/Science/Physical Education
Planning Unit ID: 8302
Objective ID: 2,183
Objectives/Outcome Description:
2005-2006
Students will improve their understanding of scientific concepts.

College Goal:
Quality Programs and Services
Deliver quality programs and effective instruction that result in students achieving identified learning outcomes with an emphasis on critical thinking as outlined in CFCC’s Quality Enhancement Plan.

Objective Type:
SACS Compliance

Procedures/Assessment Methods:

Priority: 1
Department will create common final exams for the following courses: BIO 111-General Biology I, BIO 112-General Biology II, BIO 168-Anatomy & Physiology I, BIO 169-Anatomy & Physiology II, CHM 131-Introduction to Chemistry, CHM 151-General Chemistry I, and GEL 120-Physical Geology. These finals will be designed to evaluate the student’s understanding of scientific concepts as they relate to the individual course competencies. Each question on the exam will be referenced to the course objective being addressed. The exams will be multiple choice and will be graded by the department chair and the secretary.

Units Impacted:

Planning Unit Code: Planning Unit: Unit Manager:
8302 Math Ken Hufham
2201 College Transfer Orangel Daniels

Criteria for Success:

Criteria:
Sixty percent of all students completing the BIO 111, BIO 112, BIO 168, BIO 169, CHM 131, CHM 151 and GEL 120 courses will score a sixty-eight percent or higher on the common departmental final.
Results:

Final exams were scored and the following results were reported.
BIO 111 - 44 of 108 or 41% of the students passed.
BIO 112 - 7 of 27 or 26% of the students passed.
BIO 168 - 258 of 276 or 94% of the students passed.
BIO 169 - 66 of 80 or 83% of the students passed.
CHM 131 - 47 of 87 or 54% of the students passed.
CHM 151 - 43 of 76 or 57% of the students passed.
GEL 120 - 104 of 212 or 49% of the students passed.

As a group, 569 of 866 or 66% of the students passed.

Use of Results:

Results will be used to improve student competency in the area of understanding scientific concepts. Analysis will be performed on the results and appropriate changes will be made in the areas of instructional delivery, instructional design and professional development.

Approval Status:

Ready to Discuss
Director/Department
Administrator
Budget Center
Closed

Review: with Team:
Recommended:
Recommended:
Approval:
The Loop:

No

Status Reports:

Report Date: Status Report:
12/28/2005 Common finals were administered at the end of the fall 2005 semester. The finals were scored
12/01/2005 Comprehensive departmental finals have been created and will be administered at the end of

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