Objective/Outcomes Report:

Planning Unit: Mathematics/Science/Physical
Unit Manager: Ken Hufham

Unit Purpose:
The Math/Science/PE Department helps students develop quantitative skills, understand the physical and biological environments and understand how lifestyles choices contribute to personal health and wellness.

Planning Year: 2005-2006
Objective/Outcome Description:
Students will improve their skills in problem solving.

College Goal: Quality Programs and Services
College Goal Description:
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: MAT 121-Technical Mathematics, MAT 171-Precalculus Algebra and PHY 110-Conceptual Physics. These finals will be designed to evaluate the student's skills in problem solving 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.

Due: 08/22/2005
Complete: 

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 our MAT 121, MAT 171 and PHY 110 courses will score a sixty-eight percent or higher on the comprehensive departmental final.
Results:

Common finals were administered at the end of the fall 2005 semester and the following results were tabulated. MAT 121- 3 out of 69 students passed for a success rate of 4%. MAT 171- 84 out of 144 passed for a success rate of 58%. PHY 110 - 0 out of 46 passed for a success rate of 0%.

As a group, 87 out of 259 passed for a success rate of 34%.

Use of Results:

Results will be used to improve student competencies in the area of problem solving. Analysis will be performed on the results and the appropriate changes will be made in the areas of instructional design, instructional delivery and professional development.

Approval Status:

- Ready to Discussed
- Director/Department Administrator
- Budget Center
- Closed

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

No

Status Reports:

<table>
<thead>
<tr>
<th>Report Date</th>
<th>Status Report</th>
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<tbody>
<tr>
<td>12/01/2005</td>
<td>Common finals have been created and will be administered at the end of the semester.</td>
</tr>
<tr>
<td>12/28/2005</td>
<td>Finals were administered and results have been tabulated.</td>
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