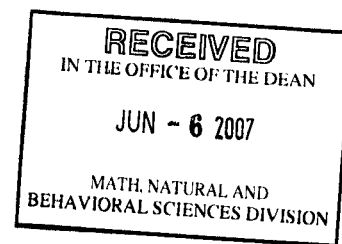


COURSE ASSESSMENT REPORT

I. Background Information

1. Course assessed:
 Course Discipline Code and Number: CEM 140
 Course Title: Organic and Biochemistry
 Division/Department Codes: PHY



2. Semester assessment was conducted (check one):
 Fall 2006
 Winter 20_07_
 Spring/Summer 20__

3. Assessment tool(s) used: check all that apply.
 Portfolio
 Standardized test
 Other external certification/licensure exam (specify):
 Survey
 Prompt
 Departmental exam
 Capstone experience (specify):
 Other (specify):

4. Have these tools been used before?
 Yes
 No

If yes, have the tools been altered since its last administration? If so, briefly describe changes made.
 No

5. Indicate the number of students assessed/total number of students enrolled in the course.
 73/73

6. Describe how students were selected for the assessment.
 All sections were assessed

II. Results

1. Briefly describe the changes that were implemented in the course as a result of the previous assessment.
 No changes: This is the first assessment report for this course.
2. State each outcome (verbatim) from the master syllabus for the course that was assessed.
 Outcomes:
 - a. Identify and name the major organic functional groups and their reaction products.
 - b. Characterize the main biomolecules, carbohydrates, lipids, proteins, and nucleic acids, and their biological functions.
 - c. Briefly outline metabolic pathways and their regulation in the body, e.g. citric acid cycle, electron transport chain, glycolysis etc.
3. Briefly describe assessment results based on data collected during the course assessment, demonstrating the extent to which students are achieving each of the learning outcomes listed above. *Please attach a summary of the data collected.*

The test given was an American Chemical Society standardized test consisting of 80 multiple-choice questions, split into 40 organic and 40 biochemistry. Tests were run on scantrons and average score for the various sections are recorded below, with an average overall of 79.09%

Section 1& 2	76.22%
Section 3	79.84%
Section 4	84.09%

COURSE ASSESSMENT REPORT

4. For each outcome assessed, indicate the standard of success used, and the percentage of students who achieved that level of success. *Please attach the rubric/scoring guide used for the assessment.*
 70% of students must score 70% or above on the ACS test. For this test 58/73 or 79.5% of students had a score above 70%.
 Results for each of the three outcomes are summarized here and detailed on the excel spreadsheet attached.
 Each question was categorized as to outcome and scores totaled for each outcome. The scores were averaged for all sections.
 Outcome 1: 77.53% success
 Outcome 2: 79.5% success
 Outcome 3: 73.17% success

5. Describe the areas of strength and weakness in students' achievement of the learning outcomes shown in assessment results.

Strengths: All of the outcomes were met or exceeded.

Weaknesses: N/A

III. Changes influenced by assessment results

1. If weaknesses were found (see above) or students did not meet expectations, describe the action that will be taken to address these weaknesses.

No weaknesses found in student mastery of the outcomes.

2. Identify intended changes that will be instituted based on results of this assessment activity (check all that apply). Please describe changes and give rationale for change.

- a. Outcomes/Assessments on the Master Syllabus

Change/rationale: The course syllabus has not yet been updated, and the objectives given are those that will appear in the new syllabus as of Fall 2007.

- b. Objectives/Evaluation on the Master Syllabus

Change/rationale: New syllabus

- c. Course pre-requisites on the Master Syllabus

Change/rationale:

- d. 1st Day Handouts

Change/rationale:

- e. Course assignments

Change/rationale:

- f. Course materials (check all that apply)

Textbook

Handouts

Other:

- g. Instructional methods

Change/rationale:

- h. Individual lessons & activities

Change/rationale:

3. What is the timeline for implementing these actions? New syllabus this Fall 2007

IV. Future plans

1. Describe the extent to which the assessment tools used were effective in measuring student achievement of learning outcomes for this course.

Please return completed form to the Office of Curriculum & Assessment, SC 247.

COURSE ASSESSMENT REPORT

The ACS test is an effective tool, and data can be compared to national norms if desired.

2. If the assessment tools were not effective, describe the changes that will be made for future assessments. N/A

3. Which outcomes from the master syllabus have been addressed in this report?

All X Selected:

If "All", provide the report date for the next full review: Winter 2010

If "Selected", provide the report date for remaining outcomes:

Submitted by:

Name: Breece Concaran / [Signature] Date: June 6th 2007
Print/Signature

Department Chair: Rob Hagedorn / [Signature] Date: June 6th 2007
Print/Signature

Dean: Merby Showalter / [Signature] Date: 6-11-07
Print/Signature

logged 6/7/07 sj