

**ASSESSMENT RECORD FOR
DEPARTMENT
OF**

Sciences and Mathematics
(Academic Department Name)

2006-2007
(Assessment Period Covered)

October 26, 2007
(Date Submitted)

Includes Assessment Reports for those Instructional Programs listed below:

Title of Instructional Degree Program

Degree Level

(Associate, Bachelors,
Master's, etc.)

Chemistry

Bachelor's

Submitted By: _____
(Departmental Chair or Faculty Assessment Representative)

ASSESSMENT REPORT FOR

Chemistry

(Instructional Degree Program)

Bachelor's

(Degree Level)

2006-2007

(Assessment Period Covered)

October 25, 2007

(Date Submitted)

Expanded Statement of Institutional Purpose Linkage:

Institutional Mission Reference: As a university committed to the liberal arts as fundamental to education and committed to our affiliation with the Presbyterian Church (U.S.A.), Schreiner is dedicated to excellence in preparing students to live purposeful, humane and productive lives in their work, faith groups, families and communities.

College/University Goal(s) Supported: Schreiner is dedicated primarily to educating undergraduate students in the liberal arts, sciences, and professional disciplines, preparing them for entry into specific careers and graduate or professional programs.

Intended Educational (Student) Outcomes:

1. Upon graduating with a major in chemistry a student will be able to understand the interpretation of statistical data.

2. Upon graduating with a major in chemistry a student will be able to give well-organized oral reports.

3. Upon graduating with a major in chemistry a student will be able to use scientific computer software.

4.

5.

ASSESSMENT REPORT FOR

Chemistry

(Instructional Degree Program)

2006-2007

(Assessment Period Covered)

Bachelor's

(Degree Level)

October 25, 2007

(Date Submitted)

Intended Educational (Student) Outcome:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below and the intended outcome number entered in the blank spaces.

 1 Upon graduating with a major in chemistry a student will be able to understand the interpretation of statistical analyses of data.

First Means of Assessment for Outcome Identified Above:

 1 a. Means of Program Assessment & Criteria for Success: Satisfactory performance (C or better) in analytical chemistry

 1 a. Summary of Assessment Data Collected: 2005-6 analytical chemistry C or better 100% (only taught every other year)

 1 a. Use of Results to Improve Instructional Program: No changes are planned at this time.

Second Means of Assessment for Outcome Identified Above:

 b. Means of Program Assessment & Criteria for Success:

 b. Summary of Assessment Data Collected:

 b. Use of Results to Improve Instructional Program:

ASSESSMENT REPORT FOR

Chemistry

(Instructional Degree Program)

2006-2007

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Bachelor's

(Degree Level)

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Intended Educational (Student) Outcome:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below and the intended outcome number entered in the blank spaces.

 2 Upon graduating with a major in chemistry a student will be able to give well-organized oral reports.

First Means of Assessment for Outcome Identified Above:

 2 a. Means of Program Assessment & Criteria for Success: Satisfactory performance (C or better) in writing and research and in the senior project (S/U).

 2 a. Summary of Assessment Data Collected: 2006-7 better than C performance chemistry grads in Writing and research 100%. Senior projects: 100% Satisfactory

 2 a. Use of Results to Improve Instructional Program: No changes are planned at this time.

Second Means of Assessment for Outcome Identified Above:

 b. Means of Program Assessment & Criteria for Success:

 b. Summary of Assessment Data Collected:

 b. Use of Results to Improve Instructional Program:

ASSESSMENT REPORT FOR

Chemistry

(Instructional Degree Program)

2006-2007

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Bachelor's

(Degree Level)

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Intended Educational (Student) Outcome:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below and the intended outcome number entered in the blank spaces.

 3 Upon graduating with a major in chemistry a student will be able to effectively use scientific computer software.

First Means of Assessment for Outcome Identified Above:

 3 a. Means of Program Assessment & Criteria for Success: Satisfactory performance (C or better) in Physical Chemistry II.

 3 a. Summary of Assessment Data Collected: 2006-07 Physical Chemistry II C or better 100%

 3 a. Use of Results to Improve Instructional Program: No changes are planned at this time.

Second Means of Assessment for Outcome Identified Above:

 b. Means of Program Assessment & Criteria for Success:

 b. Summary of Assessment Data Collected:

 b. Use of Results to Improve Instructional Program:

