

**ASSESSMENT RECORD FOR
DEPARTMENT OF**

Earth Science

(Academic Department Name)

Plan

2005-2007

(Assessment Period Covered)

January 2006

(Date Submitted)

Includes Assessment Reports for those Instructional Programs listed below:

Title of Instructional Degree Program

Degree Level

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

Earth Science

Bachelor's

Earth Science Education

Bachelor's

Earth Science Emphasis for Integrated Studies degree

Bachelor's

Environmental Technology

Associate

Submitted By: Daniel Horns, Department Chair

(Department Chair or Faculty Assessment Representative)

ASSESSMENT REPORT FOR

Earth Science

(Instructional Degree Program)**2005-2007**

(Assessment Period Covered)**Bachelor's**

(Degree Level)**January 2006**

(Date Submitted)

Mission Linkage:

UVSC Mission Reference: ...the upper division consists of programs leading to baccalaureate degrees in areas of high community demand and interest. Utah Valley State College is dedicated to providing a broad range of quality academic...opportunities designed to encourage students in attaining their goals and realizing their talents and potential, personally and professionally.

Academic Master Plan Goals: The Department of Earth Science ... help(s) students to...recognize the many potential career paths within the earth sciences, and develop the skills, knowledge, and professional traits necessary to pursue those paths.

ntended Educational (Student) Outcomes:

1. Technical knowledge of their major field

2. Skill with oral and written communication

3. Skill with problem solving and reasoning

4. Knowledge of applicable laws and regulations

5. Knowledge of professional options and responsibilities

ASSESSMENT REPORT FOR

Earth Science

(Instructional Degree Program)

Bachelor's

(Degree Level)

2005-2007

(Assessment Period Covered)

January 2006

(Date Submitted)

Intended Educational (Student) Outcome:

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

1
Technical knowledge of their major field

First Means of Assessment for Outcome Identified Above:

1 a. Means of Program Assessment & Criteria for Success:

The graduate survey (see Attachment 1) will be distributed to all graduates of the program from the previous 12 months. We will consider our program to be successful in terms of technical knowledge if the related questions on the survey receive an average score of at least 3.5 (out of a possible 4).

_____ a. Summary of Assessment Data Collected:

_____ a. Use of Results to Improve Instructional Program:

Second Means of Assessment for Outcome Identified Above:

1 b. Means of Program Assessment & Criteria for Success:

The graduate supervisor survey (see Attachment 2) will be distributed to supervisors of all graduates of the program from the previous 12 months. We will consider our program to be successful in terms of technical knowledge if the related questions on the survey receive an average score of at least 3.5 (out of a possible 4).

_____ b. Summary of Assessment Data Collected:

_____ b. Use of Results to Improve Instructional Program:

ASSESSMENT REPORT FOR

Earth Science

(Instructional Degree Program)

Bachelor's

(Degree Level)

2005-2007

(Assessment Period Covered)

January 2006

(Date Submitted)

Intended Educational (Student) Outcome:

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

2
Skill with oral and written communication

First Means of Assessment for Outcome Identified Above:

2 a. Means of Program Assessment & Criteria for Success:

The graduate survey (see Attachment 1) will be distributed to all graduates of the program from the previous 12 months. We will consider our program to be successful in terms of skill with oral and written communication if the related questions on the survey receive an average score of at least 3.5(out of a possible 4).

a. Summary of Assessment Data Collected:

a. Use of Results to Improve Instructional Program:

Second Means of Assessment for Outcome Identified Above:

2 b. Means of Program Assessment & Criteria for Success:

The graduate supervisor survey (see Attachment 2) will be distributed to all graduates of the program from the previous 12 months. We will consider our program to be successful in terms of skill with oral and written communication if the related questions on the survey receive an average score of at least 3.5 (out of a possible 4).

b. Summary of Assessment Data Collected:

b. Use of Results to Improve Instructional Program:



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Bachelor's

(Degree Level)

2005-2007

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January 2007

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Intended Educational (Student) Outcome:

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

3

Skill with problem solving and reasoning

First Means of Assessment for Outcome Identified Above:

3 a. Means of Program Assessment & Criteria for Success:

The graduate survey (see Attachment 1) will be distributed to all graduates of the program from the previous 12 months. We will consider our program to be successful in terms of skill with problem solving and reasoning if the related questions on the survey receive an average score of at least 3.5(out of a possible 4).

____ a. Summary of Assessment Data Collected:

____ a. Use of Results to Improve Instructional Program:

Second Means of Assessment for Outcome Identified Above:

3 b. Means of Program Assessment & Criteria for Success:

The graduate supervisor survey (see Attachment 2) will be distributed to all graduates of the program from the previous 12 months. We will consider our program to be successful in terms of skill with problem solving and reasoning if the related questions on the survey receive an average score of at least 3.5 (out of a possible 4).

____ b. Summary of Assessment Data Collected:

____ b. Use of Results to Improve Instructional Program:



ASSESSMENT REPORT FOR

Earth Science

(Instructional Degree Program)

Bachelor's

(Degree Level)

2005-2006

(Assessment Period Covered)

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Intended Educational (Student) Outcome:

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

4
Knowledge of applicable laws and regulations

First Means of Assessment for Outcome Identified Above:

4 a. Means of Program Assessment & Criteria for Success:
The graduate survey (see Attachment 1) will be distributed to all graduates of the program from the previous 12 months. We will consider our program to be successful in terms of knowledge of applicable laws and regulations if the related questions on the survey receive an average score of at least 3.5 (out of a possible 4).

___ a. Summary of Assessment Data Collected:

___ a. Use of Results to Improve Instructional Program:

Second Means of Assessment for Outcome Identified Above:

4 b. Means of Program Assessment & Criteria for Success:
The graduate supervisor survey (see Attachment 2) will be distributed to all graduates of the program from the previous 12 months. We will consider our program to be successful in terms of knowledge of applicable laws and regulations if the related questions on the survey receive an average score of at least 3.5 (out of a possible 4).

___ b. Summary of Assessment Data Collected:

___ b. Use of Results to Improve Instructional Program:

ASSESSMENT REPORT FOR

Earth Science

(Instructional Degree Program)

Bachelor's

(Degree Level)

2005-2006

(Assessment Period Covered)

(Date Submitted)

Intended Educational (Student) Outcome:

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

5
Knowledge of professional options and responsibilities

First Means of Assessment for Outcome Identified Above:

5 a. Means of Program Assessment & Criteria for Success:

The student surveys (see Attachment 3) will be distributed to students in our majors' courses at least once per year. We will consider our program to be successful in terms of knowledge of professional options and responsibilities if the related questions on the survey receive an average score of at least 3.5 (out of a possible 4).

___ a. Summary of Assessment Data Collected:

___ a. Use of Results to Improve Instructional Program:

Second Means of Assessment for Outcome Identified Above:

5 b. Means of Program Assessment & Criteria for Success:

The graduate survey (see Attachment 1) will be distributed to all graduates of the program from the previous 12 months. We will consider our program to be successful in terms of knowledge of professional options and responsibilities if the related questions on the survey receive an average score of at least 3.5 (out of a possible 4).

___ b. Summary of Assessment Data Collected:

___ b. Use of Results to Improve Instructional Program:

5) On a scale of 1 to 4, how well did your education provide you with the technical knowledge required for your current position? (circle one)

1	2	3	4	NA
very poorly	somewhat poorly	somewhat well	very well	my current position does not require technical knowledge

Comments related to technical knowledge:

6) On a scale of 1 to 4, how well did your education provide you with the field skills required for your current position? (circle one)

1	2	3	4	NA
very poorly	somewhat poorly	somewhat well	very well	my current position does not require field skills

Comments related to field skills:

7) On a scale of 1 to 4, how well did your education provide you with the writing ability required for your current position? (circle one)

1	2	3	4	NA
very poorly	somewhat poorly	somewhat well	very well	my current position does not require writing ability

Comments related to writing ability:

8) On a scale of 1 to 4, how well did your education provide you with the oral presentation skills required for your current position? (circle one)

1	2	3	4	NA
very poorly	somewhat poorly	somewhat well	very well	my current position does not require oral presentation skills

Comments related to oral presentation skills:

Attachment 1: Graduate Survey Letter

**UVSC Department of Earth Science
Graduate Questionnaire: Bachelor of Science in Earth Science Education**

Name: _____ Phone #: _____

Address: _____

email: _____ Today's date: _____

- 1) When did you graduate? _____
- 2) Upon graduation, which of the following did you do? (check all that apply)
 Apply for graduate programs related to earth science and/or education.
 Apply for other graduate programs.
 Seek employment related to earth science education.
 Seek employment not related to earth science.
 Other - please specify: _____
- 3) Which of the following best describes your position now? (check one)
 Attending a graduate program related to earth science.
Please specify _____
 Attending another type of graduate program
Please specify _____
 Employed in a field related to earth science education.
Please specify _____
 Employed in a field not related to earth science.
Please specify _____
 Other - please specify: _____
- 4) Is your current position your first choice? _____. If not, what was your first choice and why, do you feel, you were not successful?

9) On a scale of 1 to 4, how well did your education provide you with the problem solving and reasoning skills required for your current position? (circle one)

1	2	3	4	NA
very poorly	somewhat poorly	somewhat well	very well	my current position does not require problem solving and reasoning skills

Comments related to problem solving and reasoning skills:

10) On a scale of 1 to 4, how well did your education provide you with the knowledge of applicable agencies, laws, and regulations required for your current position? (circle one)

1	2	3	4	NA
very poorly	somewhat poorly	somewhat well	very well	my current position does not require knowledge of applicable agencies, laws, and regulations

Comments related to knowledge of applicable agencies, laws, and regulations:

1) On a scale of 1 to 4, how well did your education provide you with the knowledge of professional options and responsibilities related to your current position? (circle one)

1	2	3	4	NA
very poorly	somewhat poorly	somewhat well	very well	my current position does not require knowledge of professional options and responsibilities

Comments related to knowledge of professional options and responsibilities:

Any other comments you care to make regarding the Department of Earth Science at UVSC:

Attachment 2: Graduate Supervisor Survey Letter

Employee's Name: _____

Your Name: _____

Phone #: _____

Address: _____

Your email: _____

Today's date: _____

How long has this person worked for you? _____

Briefly describe this person's position:

1) On a scale of 1 to 4, how well prepared was this person in terms of his/her technical knowledge required for this position? (circle one)

1	2	3	4	NA
very	somewhat	somewhat	very	this position does
poorly	poorly	well	well	not require technical knowledge

Comments related to technical knowledge:

2) On a scale of 1 to 4, how well prepared was this person in terms of his/her field skills required for this position? (circle one)

1	2	3	4	NA
very	somewhat	somewhat	very	this position does
poorly	poorly	well	well	not require field skills

Comments related to field skills:

3) On a scale of 1 to 4, how well prepared was this person in terms of his/her writing ability required for this position? (circle one)

1	2	3	4	NA
very	somewhat	somewhat	very	this position does
poorly	poorly	well	well	not require writing ability

Comments related to writing ability:

4) On a scale of 1 to 4, how well prepared was this person in terms of his/her oral presentation skills required for this position? (circle one)

1	2	3	4	NA
very	somewhat	somewhat	very	this position does not require
poorly	poorly	well	well	oral presentation skills.

Comments related to oral presentation skills:

5) On a scale of 1 to 4, how well prepared was this person in terms of his/her problem solving and reasoning skills required for this position? (circle one)

1
very
poorly

2
somewhat
poorly

3
somewhat
well

4
very
well

NA
this position does not require
problem solving skills

Comments related to problem solving and reasoning skills:

6) On a scale of 1 to 4, how well prepared was this person in terms of his/her knowledge of applicable agencies, laws, and regulations required for this position? (circle one)

1
very
poorly

2
somewhat
poorly

3
somewhat
well

4
very
well

NA
this position does
not require knowledge of agencies, laws, etc.

Comments related to knowledge of applicable agencies, laws, and regulations:

7) On a scale of 1 to 4, how well prepared was this person in terms of the knowledge of professional conduct and behavior related to his/her current position? (circle one)

1
very
poorly

2
somewhat
poorly

3
somewhat
well

4
very
well

Comments related to knowledge of professional options and responsibilities:

8) Any other comments you care to make regarding the employees education by the Department of Earth Science at UVSC:

