**Rock Studies Assessment Reporting**

1. **Purpose**

The following document(s) provide the necessary information to identify and report assessment data. Courses included in the Rock Studies Program are asked to provide a complete Rock Integrated Studies assessment plan that addresses the required RSIP Outcomes and Domain Outcomes (Request for New Course form revised 12/2018, Checklist Item 4a-C., pg. 3).

Specific program outcomes have been assigned to courses in the program.

**Natural Science Inquiry** (one required course with laboratory)
Courses listed under the Natural Science Inquiry Domain shall be required to assess the following outcomes:

1. Demonstrate knowledge of the sciences
2. Apply the processes of inquiry and analysis
3. Apply information literacy skills
4. Solve problems
5. **Procedure/Methods for Reporting Rock Studies Assessment Data**
6. Option 1 **-** The preferred procedure for reporting assessment data is through D2L.
* Following previously approved assessment plan (submitted to the elected APSCUF Liberal Studies/Rock Studies Program Committee (LSRSPC) when possible – *changes should the course assessment plans should be submitted to* *assessment@sru.edu* *for approval by LSRSPC*
* Giving permission for the Center for Teaching and Learning to pull designated D2L gradebook items from your D2L shell by signing and submitting the Permission to Access Gradebook and Rock Studies Assessment Reporting for D2L worksheet to assessment@sru.edu (see below pg. 13)
* Identifying the D2L shell and associated section(s)
* Tagging the D2L gradebook items that record summative (final) assessment of each of the assigned Rock Studies Student Learning Outcomes associated with your course
* Recording the D2L gradebook item names and the criteria for Beginning, Progressing, Proficient, and Advanced performance in the Rock Studies Assessment Worksheet for D2L (pgs. 4-7)
* The Center for Teaching and Learning will provide the report to the Chairperson of the University Assessment Committee and the division of Planning, Resource Management, and Assessment (PRMA). The data will be aggregated by PRMA before any results are reported or publicized.
* The assessment results will be used only for the purposes of evaluating the Rock Studies Program and determining how well its student learning outcomes are being met.
1. Option 2 – Alternative procedure for manual reporting of assessment data to assessment@sru.edu.
* Following previously approved assessment plan (submitted to the elected APSCUF Liberal Studies/Rock Studies Program Committee (LSRSPC) when possible – *changes to the course assessment plan should be submitted to* *assessment@sru.edu* *for approval by LSRSPC*
* Opt-out of the D2L Rock Studies Assessment Reporting by signing and submitting the Opt-out D2L for Manual/Alternative Reporting Acknowledgement and Rock Studies Assessment Reporting Worksheet for Alternative Manual Reporting to assessment@sru.edu (see below pg. 14)
* Should you prefer to develop an alternative plan for review by the LSRSPC, you will be responsible for submitting your assessment plan using the Rock Studies Assessment Reporting Worksheet for Alternative Manual Reporting (pgs. 8-12)to assessment@sru.edu for review by Liberal Studies/Rock Studies Committee.
* Assessment data is to be submitted to assessment@sru.edu within three weeks of the end of the semester in the format on the Rock Studies Assessment Reporting Worksheet for Alternative Manual Reporting, Table 1: Assessment Results (pg.12)
	+ The course identification information is necessary to ensure that your participation is recorded; the data will be aggregated with the D2L-derived data by PRMA before any results are reported or publicized.
* The assessment results will be used only for the purposes of evaluating the Rock Studies Program and determining how well its student learning outcomes are being met.
1. **Resources**:
2. Assistance with development of assessment plans, reporting of assessment results and other questions related to the process is available from the following offices:
* Planning, Resource Management, and Assessment (PRMA) – Institutional Assessment & Accreditation Office – assessment@sru.edu
	+ Pamela.beck@sru.edu
	+ samantha.kelly@sru.edu
* Chairperson of the University Assessment Committee - michael.holmstrup@sru.edu
* Chairperson (or other members of the LSRSPC) of the Liberal Studies/Rock Studies Program Committee -thaddeus.boron@sru.edu
1. Forms:
* Approved Assessment Plan for SCI 101: Science of Life
* Developing Rock Studies Assessment Plans (Zieg 2018.2019)
* Value Rubric for Inquiry and Analysis
* Value Rubric for Information Literacy
* Value Rubric for Problem Solving
* Rock Studies Assessment Reporting Worksheet for D2L to be used with Permission to Access Gradebook (within this document pgs. 4-7, & 13)
* Rock Studies Assessment Reporting Worksheet for Alternative Manual Reporting & Table 1: Assessment Results to be used with Opt-out D2L for Manual/Alternative Reporting Acknowledgement (within this document pgs. 8-12, & 14)

**Rock Studies Assessment Reporting Worksheet for D2L**
**ROCK: Natural Science**

**Course Name:** Science of Life

**Course Prefix and Number:** SCI 101

**CRN:**

*Complete gray section if using the approved assessment plan. Complete the green section if submitting an alternative plan for review but the LSRSPC.* *Use with* *Permission to Access Gradebook Form pg. 13.*

**Outcome 1: Demonstrate knowledge of the sciences.**

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| **LSRSPC Approved Assessment Plan for Submission through D2L** |
| *Identify content that will be used to implement (teach) this outcome in class.* | *Identify the assessment tool(s) used to ensure student achievement.* |
| Knowledge of the sciences will be taught in this class through a combination of readings, presentations (including lectures), and/or class discussion. | E1 Selected response examObjective knowledge of scientific concepts and objective content will be assessed through a cumulative final exam or a series of non-cumulative exams. These will be graded on a 0-100% scale. |
| D2L Gradebook Item | Enter the gradebook item *exactly* as it appears in D2L. |
| Assignment Type | Choose the appropriate type of measure. |
| Beginning | 40 |
| Progressing | 55 |
| Proficient | 70 |
| Advanced | 85 |
| ***Alternative Assessment Plan/Method for Review by LSRSPC for Submission through D2L*** *\* only complete this section if not using the method listed above/approved by LSRSPC for submission through D2L* |
| *Identify content that will be used to implement (teach) this outcome in class.* | *Identify the assessment tool(s) used to ensure student achievement.* |
| Click or tap here to enter text. | Choose an item.Click or tap here to enter text. |
| D2L Gradebook Item | Enter the gradebook item *exactly* as it appears in D2L. |
| Assignment Type | Choose the appropriate type of measure. |
| Beginning | 40 |
| Progressing | 55 |
| Proficient | 70 |
| Advanced | 85 |

**Outcome 2: Apply the processes of inquiry and analysis.**

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| **LSRSPC Approved Assessment Plan for Submission through D2L** |
| *Identify content that will be used to implement (teach) this outcome in class.* | *Identify the assessment tool(s) used to ensure student achievement.* |
| Students will learn how to apply the processes of inquiry and analysis through completion of open-ended, or otherwise exploratory, hands-on laboratory exercises. | A1 Short written assignmentStudent achievement of this outcome will be assessed through their report on a culminating laboratory exercise. These will be evaluated for this purpose using the Inquiry and Analysis VALUE Rubric. In addition to the course instructors, a cross-disciplinary committee will review a random selection of reports from each section. |
| D2L Gradebook Item | Enter the gradebook item *exactly* as it appears in D2L. |
| Assignment Type | Choose the appropriate type of measure. |
| Beginning | 40 |
| Progressing | 55 |
| Proficient | 70 |
| Advanced | 85 |
| ***Alternative Assessment Plan/Method for Review by LSRSPC for Submission through D2L*** *\* only complete this section if not using the method listed above/approved by LSRSPC for submission through D2L* |
| *Identify content that will be used to implement (teach) this outcome in class.* | *Identify the assessment tool(s) used to ensure student achievement.* |
| Click or tap here to enter text. | Choose an item.Click or tap here to enter text. |
| D2L Gradebook Item | Enter the gradebook item *exactly* as it appears in D2L. |
| Assignment Type | Choose the appropriate type of measure. |
| Beginning | 40 |
| Progressing | 55 |
| Proficient | 70 |
| Advanced | 85 |

**Outcome 3: Apply information literacy skills.**

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| **LSRSPC Approved Assessment Plan for Submission through D2L** |
| *Identify content that will be used to implement (teach) this outcome in class.* | *Identify the assessment tool(s) used to ensure student achievement.* |
| Students will learn about information literacy through presentation(s) by either the class instructor or library faculty, and by completing a semester-long project requiring them to collect and evaluate sources of information relevant to the course focus. | A6 Student portfolioStudent achievement of this outcome will be assessed through their final portfolio of information sources. These will be evaluated for this purpose using the Information Literacy VALUE Rubric. In addition to the course instructors, a cross-disciplinary committee will review a random selection of portfolios from each section. |
| D2L Gradebook Item | Enter the gradebook item *exactly* as it appears in D2L. |
| Assignment Type | Choose the appropriate type of measure. |
| Beginning | 40 |
| Progressing | 55 |
| Proficient | 70 |
| Advanced | 85 |
| ***Alternative Assessment Plan/Method for Review by LSRSPC for Submission through D2L*** *\* only complete this section if not using the method listed above/approved by LSRSPC for submission through D2L* |
| *Identify content that will be used to implement (teach) this outcome in class.* | *Identify the assessment tool(s) used to ensure student achievement.* |
| Click or tap here to enter text. | Choose an item.Click or tap here to enter text. |
| D2L Gradebook Item | Enter the gradebook item *exactly* as it appears in D2L. |
| Assignment Type | Choose the appropriate type of measure. |
| Beginning | 40 |
| Progressing | 55 |
| Proficient | 70 |
| Advanced | 85 |

**Outcome 4: Solve Problems**

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| **LSRSPC Approved Assessment Plan for Submission through D2L** |
| *Identify content that will be used to implement (teach) this outcome in class.* | *Identify the assessment tool(s) used to ensure student achievement.* |
| Students will learn about problem solving through case studies of scientific problem solving presented in class, and through the completion of at least one problem solving project/assignment. | A5 Laboratory reportStudent achievement of this outcome will be assessed through their final project report (which could be written, oral, or a demonstration). These will be evaluated for this purpose using the Problem Solving VALUE Rubric. In addition to the course instructors, a cross-disciplinary committee will review a random selection of projects from each section. |
| D2L Gradebook Item | Enter the gradebook item *exactly* as it appears in D2L. |
| Assignment Type | Choose the appropriate type of measure. |
| Beginning | 40 |
| Progressing | 55 |
| Proficient | 70 |
| Advanced | 85 |
| ***Alternative Assessment Plan/Method for Review by LSRSPC for Submission through D2L*** *\* only complete this section if not using the method listed above/approved by LSRSPC for submission through D2L* |
| *Identify content that will be used to implement (teach) this outcome in class.* | *Identify the assessment tool(s) used to ensure student achievement.* |
| Click or tap here to enter text. | Choose an item.Click or tap here to enter text. |
| D2L Gradebook Item | Enter the gradebook item *exactly* as it appears in D2L. |
| Assignment Type | Choose the appropriate type of measure. |
| Beginning | 40 |
| Progressing | 55 |
| Proficient | 70 |
| Advanced | 85 |

**Rock Studies Assessment Reporting Worksheet
for Alternative Manual Reporting
ROCK: Natural Science**

If you do not give permission for CTL to access your gradebook, you will be responsible for submitting your assessment plan to assessment@sru.edu for review by the Liberal Studies/Rock Studies Committee (LSRSPC) manually using the format below (Assessment Plan).

Additionally, the assessment results must be submitted manually using the table labeled Assessment Results within three weeks of the end of the semester to assessment@sru.edu.

The course identification is necessary to ensure that your participation is recorded; the data will be aggregated with the D2L-derived data before any results are reported or publicized.

**Assessment Plan:** *Complete gray section if using the approved assessment plan. Complete the green section if submitting an alternative plan for review but the LSRSPC. Use with Opt-out D2L for Manual/Alternative Reporting Acknowledgement (pg.14)*

**Outcome 1: Demonstrate knowledge of the sciences.**

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| **LSRSPC Approved Assessment Plan for Alternative Manual Reporting** |
| *Identify content that will be used to implement (teach) this outcome in class.* | *Identify the assessment tool(s) used to ensure student achievement.* |
| Knowledge of the sciences will be taught in this class through a combination of readings, presentations (including lectures), and/or class discussion. | E1 Selected response examObjective knowledge of scientific concepts and objective content will be assessed through a cumulative final exam or a series of non-cumulative exams. These will be graded on a 0-100% scale. |
| Assignment Name |  |
| Assignment Type | Choose the appropriate type of measure. |
| ***Alternative Assessment Plan/Method for Review by LSRSPC for Alternative Manual Reporting*** *\* only complete this section if not using the method listed above/approved by LSRSPC for alternative manual reporting* |
| *Identify content that will be used to implement (teach) this outcome in class.* | *Identify the assessment tool(s) used to ensure student achievement.* |
| Click or tap here to enter text. | Choose an item.Click or tap here to enter text. |
| Assignment Name |  |
| Assignment Type | Choose the appropriate type of measure. |

**Outcome 2: Apply the processes of inquiry and analysis.**

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| **LSRSPC Approved Assessment Plan for Alternative Manual Reporting** |
| *Identify content that will be used to implement (teach) this outcome in class.* | *Identify the assessment tool(s) used to ensure student achievement.* |
| Students will learn how to apply the processes of inquiry and analysis through completion of open-ended, or otherwise exploratory, hands-on laboratory exercises. | A1 Short written assignmentStudent achievement of this outcome will be assessed through their report on a culminating laboratory exercise. These will be evaluated for this purpose using the Inquiry and Analysis VALUE Rubric. In addition to the course instructors, a cross-disciplinary committee will review a random selection of reports from each section. |
| Assignment Name |  |
| Assignment Type | Choose the appropriate type of measure. |
| ***Alternative Assessment Plan/Method for Review by LSRSPC for Alternative Manual Reporting*** *\* only complete this section if not using the method listed above/approved by LSRSPC for alternative manual reporting* |
| *Identify content that will be used to implement (teach) this outcome in class.* | *Identify the assessment tool(s) used to ensure student achievement.* |
| Click or tap here to enter text. | Choose an item.Click or tap here to enter text. |
| Assignment Name |  |
| Assignment Type | Choose the appropriate type of measure. |

**Outcome 3: Apply information literacy skills.**

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| **LSRSPC Approved Assessment Plan for Submission through Alternative Manual Reporting** |
| *Identify content that will be used to implement (teach) this outcome in class.* | *Identify the assessment tool(s) used to ensure student achievement.* |
| Students will learn about information literacy through presentation(s) by either the class instructor or library faculty, and by completing a semester-long project requiring them to collect and evaluate sources of information relevant to the course focus. | A6 Student portfolioStudent achievement of this outcome will be assessed through their final portfolio of information sources. These will be evaluated for this purpose using the Information Literacy VALUE Rubric. In addition to the course instructors, a cross-disciplinary committee will review a random selection of portfolios from each section. |
| Assignment Type | Choose the appropriate type of measure. |
| Beginning | 40 |
| Progressing | 55 |
| Proficient | 70 |
| Advanced | 85 |
| ***Alternative Assessment Plan/Method for Review by LSRSPC for Alternative Manual Reporting*** *\* only complete this section if not using the method listed above/approved by LSRSPC for alternative manual reporting* |
| *Identify content that will be used to implement (teach) this outcome in class.* | *Identify the assessment tool(s) used to ensure student achievement.* |
| Click or tap here to enter text. | Choose an item.Click or tap here to enter text. |
| Assignment Type | Choose the appropriate type of measure. |

**Outcome 4: Solve Problems**

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| **LSRSPC Approved Assessment Plan for Submission through Alternative Manual Reporting** |
| *Identify content that will be used to implement (teach) this outcome in class.* | *Identify the assessment tool(s) used to ensure student achievement.* |
| Students will learn about problem solving through case studies of scientific problem solving presented in class, and through the completion of at least one problem solving project/assignment. | A5 Laboratory reportStudent achievement of this outcome will be assessed through their final project report (which could be written, oral, or a demonstration). These will be evaluated for this purpose using the Problem Solving VALUE Rubric. In addition to the course instructors, a cross-disciplinary committee will review a random selection of projects from each section. |
| Assignment Name |  |
| Assignment Type | Choose the appropriate type of measure. |
| ***Alternative Assessment Plan/Method for Review by LSRSPC for Alternative Manual Reporting*** *\* only complete this section if not using the method listed above/approved by LSRSPC for alternative manual reporting* |
| *Identify content that will be used to implement (teach) this outcome in class.* | *Identify the assessment tool(s) used to ensure student achievement.* |
| Click or tap here to enter text. | Choose an item.Click or tap here to enter text. |
| Assignment Name |  |
| Assignment Type | Choose the appropriate type of measure. |

**Assessment Results Reporting Table 1**

**Course Name:**

**Course Prefix and Number:**

**CRN:**

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| **Table 1: Assessment Results** |
| **Outcome 1: Demonstrate knowledge of the sciences.** |
| **Assignment Name** | **% Deficient** | **% Beginning** | **% Progressing** | **% Proficient** | **%****Advanced** | **Total Number Students** |
|  |  |  |  |  |  |  |
| **Outcome 2: Apply the Process of Inquiry & Analysis** |
| **Assignment Name** | **% Deficient** | **% Beginning** | **% Progressing** | **% Proficient** | **%****Advanced** | **Total Number Students** |
| **Outcome 3: Apply Information Literacy** |
| **Assignment Name** | **% Deficient** | **% Beginning** | **% Progressing** | **% Proficient** | **%****Advanced** | **Total Number Students** |
|  |  |  |  |  |  |  |
| **Outcome 4: Solve Problems** |
| **Assignment Name** | **% Deficient** | **% Beginning** | **% Progressing** | **% Proficient** | **%****Advanced** | **Total Number Students** |
|  |  |  |  |  |  |  |

Complete Table 1: Assessment Results with the Assignment Name (corresponding to the Assignment Name listed on Assessment Plan submitted for review by LSRSPC to assessment@sru.edu), percent of students achieving each level for each outcome, along with the total number of students assessed. **The assessment results are due within three weeks of the end of the semester.**

**Permission to Access Gradebook**

I give permission for the Center for Teaching and Learning to access my D2L gradebook for the sole purpose of extracting assignment grades to be used for Rock Studies Assessment. These data will not be linked to me, my course, or to my department except for a record that the section’s assessment data was submitted to the Rock Studies Committee. The assessment results will be used only for the purposes of evaluating the Rock Studies Program and determining how well its student learning outcomes are being met. All data collected will be aggregated with the by Planning, Resource Management, & Assessment before any results are reported or publicized.

**Select One**

[ ] I am using the course assessment plan approved by the Liberal Studies/Rock Studies Program Committee (LSRSPC). I will provide the information requested in the gray section of the Rock Studies Assessment Reporting Worksheet for D2L to assessment@sru.edu .

[ ]  I am submitting an alternative assessment plan to assessment@sru.edu for review by the LSRSPC. I will provide the information requested green section of the Rock Studies Assessment Reporting Worksheet for D2L.

Faculty Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Opt-out D2L for Manual/Alternative Reporting Acknowledgement**

I am opting out of the D2L Rock Studies Assessment Reporting. I acknowledge that I am responsible for submitting a course assessment plan (if not following LSRSPC approved plan) to assessment@sru.edu for review by the LSRSPC and that I am responsible for submitting assessment results in the format designated on the Rock Studies Assessment Reporting Worksheet for Alternative/Manual Reporting within **three weeks** of the end of the semester to assessment@sru.edu

The course identification is necessary to ensure that your participation is recorded; the data will be aggregated with the D2L-derived data by PRMA before any results are reported or publicized.

The assessment results will be used only for the purposes of evaluating the Rock Studies Program and determining how well its student learning outcomes are being met.

**Select One**

[ ] I am using the course assessment plan approved by the Liberal Studies/Rock Studies Program Committee (LSRSPC). I will provide the information requested in the gray section of the Rock Studies Assessment Reporting Worksheet for D2L to assessment@sru.edu .

[ ]  I am submitting an alternative assessment plan to assessment@sru.edu for review by the LSRSPC. I will provide the information requested green section of the Rock Studies Assessment Reporting Worksheet for D2L.

Faculty Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_