Weave Repository DIY (Step by Step)

Improvement in Action Assessment

Note: This is a guide for easier navigation through the WT assessment management system. Any questions that remain after this instruction has been perused can always be referred to the Director of Assessment. Please do not hesitate to reach out.

> Dr. Dan Stroud
>
> Old Main 311C
>
> Ph: 806-651-3452
>
> Email: dstroud@wtamu.edu

Access to Weave:

1. Go the Intranet: https://wtaccess.wtamu.edu/
2. Log in using SSO and Duo
3. Scroll down to 'Publications' and click on 'Weave Access'
   a. Weave can also be accessed by clicking on the following link: https://app.weaveeducation.com/login/wtamu
4. Once in Weave, click at the top of the page on the 'Projects' tab.

5. Once on the page, type in the project you wish to see and once that program pops up, click on it to begin your assessment work. Many will have limited programs to access, however, understand that if you have strategic planning unit folders, they will always begin with and SP:
6. Once you have clicked on the folder you wish to enter, you can begin your work.

Annual Learning Assessment Reporting – Step by Step

Weave

DASHBOARD   PROJECTS   CREDENTIALS   REPORTS   + Create New   ?

Biology BA/BS

YEAR
2020-2021

STATUS
In Progress

Projects › Assessment › Biology BA/BS › 2020-2021

Mission Statement ⌄

Improvement Narrative ⌄

Goal - Produce High Achieving Graduates +

1 Goal - Produce High Achieving Graduates   Enter Text ⌃ ⋮

DESCRIPTION
See Student Learning Outcomes below

Student Learning Outcome +

1.1 Student Learning Outcome   Facts and Theories ⌄ ⋮

1.2 Student Learning Outcome   Scientific Method ⌄ ⋮

1.3 Student Learning Outcome   Biological Knowledge ⌄ ⋮

1.4 Student Learning Outcome   Living Organisms ⌄ ⋮

1.5 Student Learning Outcome   Living systems and Organization ⌄ ⋮

1.6 Student Learning Outcome   Work Cooperatively ⌄ ⋮

1.7 Student Learning Outcome   Examine and Evaluate Ethical Questions ⌄ ⋮

1.8 Student Learning Outcome   Evolution, Diversity, and Classification of Living Organisms ⌄ ⋮

Project Attachments (0) ⌃

Drag and drop your files here or browse for files

Step 1: Strategic Plan – Mission Statement

Upon completion of your mission statement – Copy and Paste into the Mission Statement Box.

- Click on down arrow

Projects › Assessment › Biology BA/BS › 2020-2021

Mission Statement   ⌄

- Then copy/paste into the expanded box – Nothing else to do, it is automatically saved to the folder.

Mission Statement   ⌃

DESCRIPTION

PROGRAM MISSION STATEMENT:

The mission of the Department of Life, Earth and Environmental Sciences is to promote the acquisition of scientific knowledge and development of critical thinking skills in our students. Our department prepares students for entry into professional schools in the health fields; graduate programs in the biological, ecology, natural resource management, geological, and environmental sciences; and careers in those fields. Students are provided the opportunity to enhance their academic experience in the life, earth, and environmental sciences with specialized courses in multiple subject areas and participate in both laboratory and field research opportunities. The Department of Life, Earth, & Environmental Sciences houses museum quality collections of biological and geological specimens for use by students, faculty, and qualified outside researchers. We furnish well-equipped laboratories and field equipment for use in research by both students and faculty. The faculty members serve the region with educational and consulting expertise in select areas of the biological, ecological, environmental and geological sciences.

Step 2: Program Objectives

- Once you have established your goals and objectives for the program you can use them to create your Student Learning Outcomes (SLO's). However, these objectives are a tool only, not meant to be plugged into Weave.

Step 3: Learning Outcomes

- One of the main goals as an institution is to always 'Produce High Achieving Graduates'. This overarching goal is a stepping-stone for programs to create and add in the Student Learning Outcomes.
- If not already open, simply click on the arrow to the right and it will open with the direction to "See Student Learning Outcomes below"

Goal - Produce High Achieving Graduates   +

1 Goal - Produce High Achieving Graduates   Enter Text   ⌃   ⋮

DESCRIPTION

See Student Learning Outcomes below

- The next step, after you have developed your desired and measurable SLO's will be to place the first one in Weave. Each outcome will need a short title and a description.

DESCRIPTION

See Student Learning Outcomes below

Student Learning Outcome	+

1.1 Student Learning Outcome   Facts and Theories   ∧   ⋮

DESCRIPTION

The student should be able to identify and explain basic facts and theories of biology and demonstrate familiarity with biological literature.

Step 4: Methods/Measures

&

Step 5: Criteria/Instruments

- Now that you have decided upon the courses, methods, and instruments that will be used to measure your outcome, you'll choose a label for Measure 1.1.1, choose your source of evidence in the pull-down box, then offer a description of the measure within the course(s). You will then discuss the methodology and offer a description of the instrument (whether a rubric, test, survey, etc.)

Measure	+

1.1.1 Measure   Cell Structure and Physiology (Biol 4330)   ∧   ⋮

SOURCE OF EVIDENCE

Final Exam - Academic Direct   ▾

DESCRIPTION

BIOL 4330_Cancer Biology_F2019 (Mastery Level): Cancer Biology is an advanced biology elective taught at the undergraduate and graduate levels. The content includes advanced topics on cell structure and physiology as they relate to cancer pathogenesis: identifying characteristics of cancer, viral and cellular oncogenes, angiogenesis, mechanisms of metastasis, epithelial-to-mesenchymal transformation, cancer signaling, cancer stem cells, cell cycle dysregulation, and current treatment strategies.

METHODOLOGY

Instrument – Assessment was taken from student responses on the comprehensive final exam which included all aspects of cancer initiation, progression, molecular mechanisms and treatment. Question formats included multiple choice, short answer, quantitative, data interpretation, and hypothetical problem solving.

- **Important Note:** You will find numerous choices in the source of evidence box which may help you better describe your description and methodology. It might also prompt new ideas in your discussion of possible methods/measures/instruments to be used here.
- Upon completion of the building of your measure, the next step is to lay out your benchmark/targets for that year's measurement. Once these have been determined you can copy /paste this information into Weave. You will type a description of the benchmark first, then in the line below, a specific percentage of students you expect to reach this benchmark in a given year. **Remember – grades should not be the point of emphasis here – reasoning and targets should be directed at specific knowledge that supports successful outcomes.**

Target (1)

1.1.1.1

❓

DESCRIPTION

Students will have a satisfactory understanding of cell structure as it relates to cancer pathogens.

TARGET

75% of students will have a satisfactory understanding of cell structure as it relates to cancer pathogens.

Step 6: Data/Results

- Now that the benchmark/target is in place, the next step will be at the end of each semester/year to collect and tally your data. Once it's been collected, you will place a summary of your findings below the target areas in Weave. There is enough space to tally a large amount of data as well. If you wish to store tables and graphs, these can be stored in the Weave Folio attachments section at the bottom of your Weave folder.

FINDING

100% of students (N = 19) included in the assessment were Biology majors and scored at or above the target criteria for the assessed final exam as well as their final course grade.

Step 7: Analysis and Actions

- Your data has been collected and results tallied. Now it is time to write your analysis. Discuss what went right and what went wrong. You can then type this directly into the Analysis box that is below your findings. There is a 5000-character limit which is far more information than you will need for reporting.

- Your analysis will guide the year's status will regard to successes and or failures that should be marked in the corresponding status box in the target area.
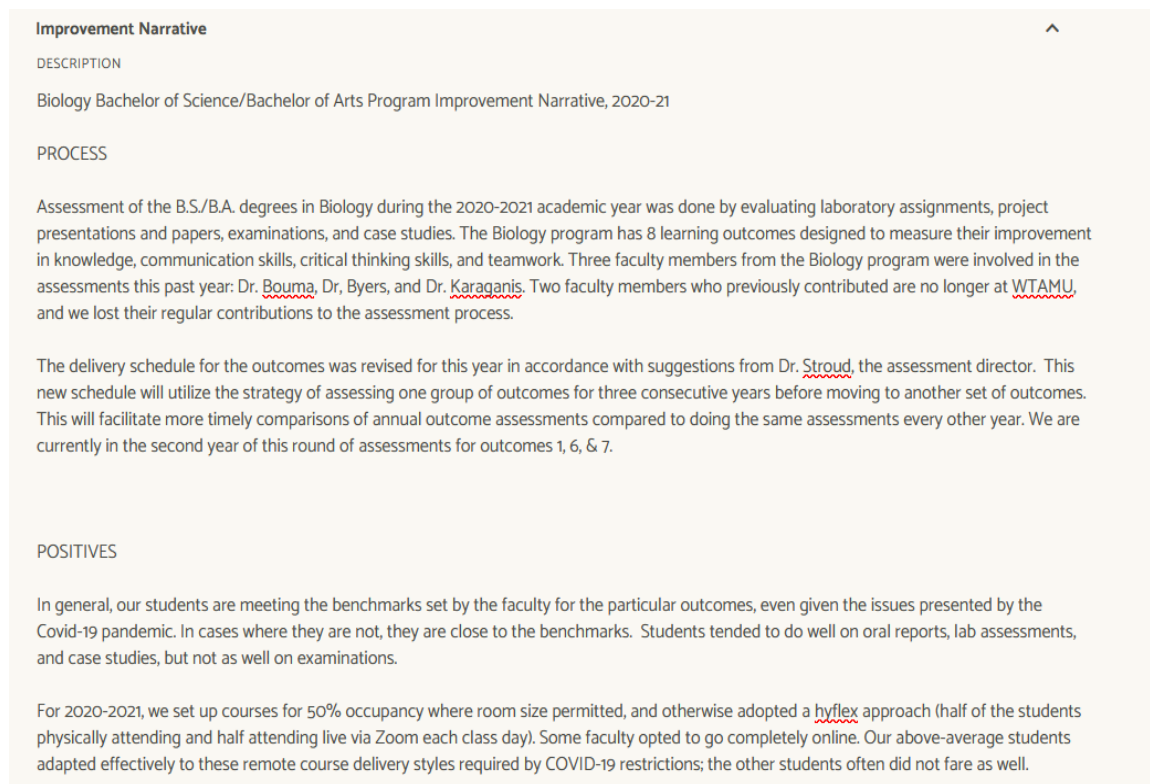

1.1.1.1

DESCRIPTION

Students will have a satisfactory understanding of cell structure as it relates to cancer pathogens.

STATUS

Met

- Directed by your analysis of data, you should now be thinking about what actions the program will take in the next academic year/cycle as improvement is pursued. There is an action planning box set up in Weave that you may use, however your action plan will be guided by what is written in your improvement narrative and written in that space will be sufficient as well.

Step 8: Improvement Narrative

- This is your story, more to the point, your summary and discussion of all outcomes assessed in the given year. Best practice here is to write the narrative as prescribed in your Assessment Workbook, then copy/paste into the Improvement Narrative box below the mission statement box.

Improvement Narrative

DESCRIPTION

Biology Bachelor of Science/Bachelor of Arts Program Improvement Narrative, 2020-21

PROCESS

Assessment of the B.S./B.A. degrees in Biology during the 2020-2021 academic year was done by evaluating laboratory assignments, project presentations and papers, examinations, and case studies. The Biology program has 8 learning outcomes designed to measure their improvement in knowledge, communication skills, critical thinking skills, and teamwork. Three faculty members from the Biology program were involved in the assessments this past year: Dr. Bouma, Dr, Byers, and Dr. Karaganis. Two faculty members who previously contributed are no longer at WTAMU, and we lost their regular contributions to the assessment process.

The delivery schedule for the outcomes was revised for this year in accordance with suggestions from Dr. Stroud, the assessment director. This new schedule will utilize the strategy of assessing one group of outcomes for three consecutive years before moving to another set of outcomes. This will facilitate more timely comparisons of annual outcome assessments compared to doing the same assessments every other year. We are currently in the second year of this round of assessments for outcomes 1, 6, & 7.

POSITIVES

In general, our students are meeting the benchmarks set by the faculty for the particular outcomes, even given the issues presented by the Covid-19 pandemic. In cases where they are not, they are close to the benchmarks. Students tended to do well on oral reports, lab assessments, and case studies, but not as well on examinations.

For 2020-2021, we set up courses for 50% occupancy where room size permitted, and otherwise adopted a hyflex approach (half of the students physically attending and half attending live via Zoom each class day). Some faculty opted to go completely online. Our above-average students adapted effectively to these remote course delivery styles required by COVID-19 restrictions; the other students often did not fare as well.

- As has been previously mentioned, you may store any rubrics, exams, surveys, and/or interview data in the Project Attachments section at the bottom of the Weave Folder. This allows all of that year's assessment pieces to be stored in the same place for purview in the academic years/cycles yet to come.

Project Attachments (0)

Drag and drop your files here or browse for files
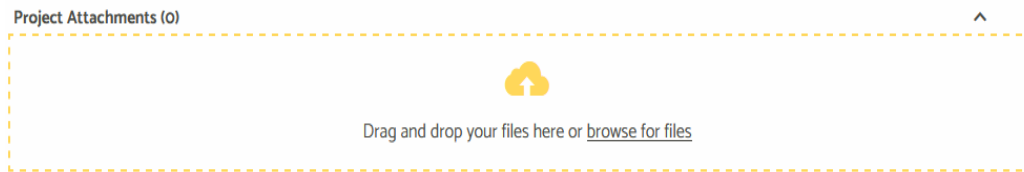
IMPORTANT FINAL STEP

- After you have completed your work in the folder, scroll back to the top of the page **and move the status bar to internal review.** Your work for 2021-2022 is done!

Feedback

- All reports will be reviewed by the Director of Assessment and an Academic Affairs representative. These report forms will be filed in your program attachments folder for each program to review.

- Evaluation of the report will be about its completion rather than whether targeted outcomes were a success or not.

- Each Dean and the Provost will receive Executive Summaries with regard to these reports.
- After completion of the current year reporting, a new folder in Weave will be created, populated with missions, outcomes, measures, and targets. The previous year's Improvement Narrative will also be included as an easy reference when performing that year's assessment.