

ACADEMIC YEAR 2021-2022 / ANNUAL PROGRAM REVIEW (APR)

Fisheries Resources BS

This view always presents the most current state of the plan item.

Plan Item was last modified on 10/27/21, 7:38 PM

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Template:

Student Learning Assessment Report (add one "plan item" for each major, degree, and/or certificate offered by dept)

Name of degree/major or credential (example: Psychology BA/BS):

Fisheries Resources BS

Assessment Cycle State Date:

3/1/2021

Assessment Cycle End Date:

7/1/2022

Progress:

Under Review by College/Institution

Providing Department:

Fish & Wildlife Sciences-Academic

Responsible Users:

Assessment Report Contact:

Lisette Waits

Program Changes in Past Year:

We changed the name of the degree from Fisheries Resources to Fisheries Science. Also we created two emphasis areas: Science and Management and Conservation Law Enforcement. Thus, we revised the full curriculum.

Learning Outcomes are Communicated to All Students in Program (check box if true):

true

Learning Outcomes are Communicated to All Faculty (check box if true):

true

Optional: Framework Alignment:

Import Outcomes Data (from Anthology Outcomes):

2.

Definition Skills

Student will be able to 2) define physical, evolutionary and ecological elements and processes sustaining ecosystems and recognize the implications of altering those components.

Academic Year 2019-2020: Fishery Resources (B.S.Fish.Res.)

Term: **Overview**

No Results

3.

Integration Skills

The student will be able to: 3) integrate biological, ecological and social information to develop a fish (or wildlife) management plan.

Academic Year 2019-2020: Fishery Resources (B.S.Fish.Res.)

Term: **Overview**

No Results

4.

Analytical Skills

The student will be able to: 1) use logic and reasoning, analysis and synthesis to arrive at defensible scientific conclusions.

Academic Year 2019-2020: Fishery Resources (B.S.Fish.Res.)

Term: **Overview**

No Results

6.

Testing Skills

Student will be able to: 3) develop and test hypotheses and produce tabular and graphic summaries of quantitative data.

Academic Year 2019-2020: **Fishery Resources (B.S.Fish.Res.)**

Term: **Overview**

No Results

9.

Cooperative Skills

The student will be able to work effectively in team settings. Specifically the student will be able to develop and complete projects in a team setting and provide criticism to peers and accept criticism.

Academic Year 2019-2020: **Fishery Resources (B.S.Fish.Res.)**

Term: **Overview**

No Results

8.

Diversity Skills

The student will be able to explain and discuss diverse points of view about natural resource issues.

Academic Year 2019-2020: **Fishery Resources (B.S.Fish.Res.)**

Term: **Overview**

No Results

7.

Communication Skills

The student will be able to effectively use diverse forms of communication (written, oral, visual) to convey information to scientific and nonscientific audiences in formal and professional formats.

Academic Year 2019-2020: **Fishery Resources (B.S.Fish.Res.)**

Term: **Overview**

No Results

10.

Professionalism

The student demonstrates an understanding of: 1) ethical professional behavior, and 2) the requirements and process for professional certification.

Academic Year 2019-2020: **Fishery Resources (B.S.Fish.Res.)**

Term: **Overview**

No Results

Summary of Student Learning:

Overall our indirect and direct assessment methods indicated that students are meeting the learning outcomes. I attached slides that were shared with faculty when discussing 2021 results. Students did discuss concerns of fewer hands on activities and canceling of field trips due to COVID 19. Also students felt they would be better prepared to communicate with public audiences. Students were in support of our proposed curriculum changes. Learning outcome 3 was reworded in 2020 to better reflect our goals and that change led to an increase in student perceptions that they had met the goal. Students felt the CNR core class NRS383 NR Economics was not useful.

Attached Files

[Emphasis areas - assessment info.pptx](#)

[Fish 495 Senior Feedback March 2021.docx](#)

Summary of Faculty Discussion:

As noted above, we revised our curriculum to add emphasis areas and revised the Learning outcomes. We will continue to emphasize hands on learning activities in all our classes and will retain the professional mentor activity in WLF201. We are discussing ways to improve focus on writing and speaking for non-academic audiences.

Attached Files

There are no attachments.

Summary of Changes/Improvements Being Considered:

We updated our learning outcomes for our revised curriculum and are still discussing future assessment methods that will be needed in 2022-2023 when the new curriculum is implemented.

Attached Files

There are no attachments.

Inter-rater Reliability:

For items evaluated by multiple faculty we have evaluation rubrics. Other items are currently assessed by a single faculty member each year - like exam grades.

Closing the Loop:

We have used the assessment process and results to discuss what skills are taught in which courses and to determine when faculty and students feel they are not meeting the outcomes. This has led to changes in assignments, course content and new courses. For example, we were not happy with scientific writing and data analysis skills so we created a new course for the end of the sophomore year to focus on these skills so they have consistent training moving into their Junior level coursework.

Attached Files

There are no attachments.

Quality Assessment Feedback:

Attached Files

There are no attachments.

Related Items

No connections made