

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

B.S., Forest and Sustainable Products

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Plan Item was last modified on 11/1/21, 12:04 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):

B.S., Forest and Sustainable Products

Assessment Cycle State Date:

3/1/2021

Assessment Cycle End Date:

7/1/2022

Progress:

Section Completed, Waiting for Feedback

Providing Department:

Forest Rangeland & Fire Sci-Academic

Responsible Users:**Assessment Report Contact:**

Charles Goebel

Program Changes in Past Year:

During the past year there have been no major changes to the degree program except for changing the name of the program from Renewable Materials to Forest and Sustainable Products.

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:

Society for Wood Science and Technology

Import Outcomes Data (from Anthology Outcomes):

See Outcomes data below entered into the Anthology system. Indirect measures include:

1. Students with Final Grade of 80% or higher in FSP 436 Biocomposites: 25%
2. Students with Final Grade of 80% or higher in FSP 491 Biomaterial Product and Process Development Lab: 100%
3. Students with Final Grade of 80% or higher in FSP 495 Product Development and Brand Management: 67%
4. Graduating senior survey data not useable due to low response rate

1.

Academic Skills

Graduates of the B.S. in Renewable Materials will have a sufficient academic background in forest products and allied disciplines for entry level employment within the renewable materials and allied industries or for transition to a graduate program.

Academic Year 2020-2021: Renewable Materials (B.S.Renew.Mat.)

Term: Overview

Exceeded	<div style="width: 100%; height: 10px; background-color: green;"></div>	100%	5
Met	<div style="width: 0%; height: 10px; background-color: gray;"></div>	0%	0
Partially Met	<div style="width: 0%; height: 10px; background-color: gray;"></div>	0%	0

Not Met		0%	0
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2.

Teamwork

Graduates of the B.S. in Renewable Materials will be able to work with teams and provide leadership to integrated groups of individuals focused toward a common goal.

Academic Year 2020-2021: Renewable Materials (B.S.Renew.Mat.)

Term: Overview

Exceeded		83.33%	5
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Met		0%	0
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Partially Met		0%	0
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Not Met		16.67%	1
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3.

Quality Assurance

Graduates of the B.S. in Renewable Materials will understand the quality assurance and quality control processes using ASTM standards when performing testing on renewable materials and products.

Academic Year 2020-2021: Renewable Materials (B.S.Renew.Mat.)

Term: Overview

Exceeded		50%	2
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Met		0%	0
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Partially Met		0%	0
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Not Met		50%	2
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Summary of Student Learning:

Overall, we had mixed results associated with meeting the targets for the direct measures of student learning outcomes. Similarly, we only met the targets of our indirect measures for one of the three classes we measure. Upon reviewing performance, it is clear that some students struggled with COVID-19 issues and absenteeism was an issue associated with poor performance. Unfortunately, the indirect assessment associated with graduating student surveys was not useable as the response rate to the online survey was too low.

Attached Files

There are no attachments.

Summary of Faculty Discussion:

Assessment outcomes are scheduled to be discussed at a future Forest and Sustainable Products faculty meeting in the winter of 2021-2022.

Attached Files

There are no attachments.

Summary of Changes/Improvements Being Considered:

No changes are planned for the direct measures associated with this learning assessment; current measures are consistent with our goals and help meet the requirements of our specific program accrediting body, the Society of Wood Science and Technology. We do plan to revise the online graduating senior survey as the response rates were too low to be valuable from an assessment perspective. We are exploring other options to include the survey as part of the capstone course.

Attached Files

There are no attachments.

Inter-rater Reliability:

The direct measures used in the assessment have been consistently used for the past several assessment cycles and evaluated by the same individuals over this time period. As the direct measures include student performance on specific tasks that have remained consistent over time, we feel there is strong reliability in comparing how students are meeting learning objectives over time.

Closing the Loop:

Overall, we feel that the current direct and indirect measures are appropriate to assess how well our students are prepared and meet our student learning outcomes. When we examine student success, the data suggest our students are performing relatively well, although we will need to continue to monitor and focus on student attendance. Our students are being hired by employers in the forest and sustainable products sectors. We will continue to track student performance in the future to ensure the curriculum is enhancing student learning outcomes and employment opportunities.

Attached Files

There are no attachments.

Quality Assessment Feedback:

Attached Files

There are no attachments.

Related Items

No connections made

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