

Program Improvement Planning		
Program	Chair	Program Team
Biology/MMB/GES	Ranahan	Goelzer, Gaikwad, Desman, Klehm, Budavich

1. Review the Program Improvement Plan from January 2022

- List the recommendations made
- Note if they were implemented or not
- Evaluate the effect of the change – use WPA assignment and criterion scores, observations, etc. as appropriate

#	Recommendations	Did We Do This?		Effect of Change
		Yes	No	
1	Missing data from some of our artifacts, need more consistent data collection.	x		Slight improvement, need even more consistency
2	No evidence that external stakeholders provided feedback.	x		Consulted Alumni at Homecoming council, constructed a board of reference made up of health professionals that contribute to our Pre-Health Professions courses and advise students.

3	Include more evidence that we use to assess our program. For example, the decisions made based on changes in MCAT.	x		Recently changed our Anatomy and Physiology courses to 300 level Advance Anatomy and Advanced Physiology courses to meet Health Professions Admissions criteria.
4				
5				

2. Please discuss the program, review the assessment assignment and criterion line scores from 21-22 and fall 2022, and list your plans for improvement over the next year.

2023 Improvement Plan

#	Action	Rationale/Data	Person Responsible	Timeline
1	Include alumni in department functions, as well as student research.	Our work in 2021-2022 with the board of reference was a great start. We need to further build student/faculty/alumni connections for improved programs and research opportunities.	Department Faculty	Spring 2024
2	Increase data collection from our artifacts.	Ensure that every faculty that teaches a course with an artifact has the rubric available to	Chair(s)	Spring 2024

		complete in Brightspace. At the end of the semester, ensure the rubrics have been completed for each artifact.		
3	Increase student participation in the broader scientific community through oral presentations and posters shared at technical meetings (ie. TriBeta, MAPS, OAS, ect.)	Bold vision is demonstrated not only in completing a scientific research study, but in sharing the findings either in oral or written form with the scientific community.	Department Faculty	Spring 2024

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Biomedical Chemistry	Dr. William Ranahan	Dr. William Collier, Dr. Prathibha Desman and Dr. Catherine Klehm

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#	Recommendations	Did We Do This?		Effect of Change
		Yes	No	
1	Reconsider how physical discipline (3B) can be better measured/implemented by considering how physical stamina in a lab and/or research setting can be measured via experiment completion and quality		X	Not yet implemented
2	To create within D2L a way to track progress on Knowledge of the Physical and Natural World (2D) based on exam and course performance		X	Not yet implemented

2. Please discuss the program, review the assessment assignment and criterion line scores from 21-22 and fall 2022, and list your plans for improvement over the next year.

2023 Improvement Plan

#	Action	Rationale/Data	Person Responsible	Timeline
1	Reconsider how physical discipline (3B) can be better measured/implemented by considering how physical stamina in a lab and/or research setting can be measured via experiment completion and quality	Doing real experimental work requires students to be productive which involves physical stamina and disciplined sleep habits that enable complex thinking necessary for good performance and research	Collier/Desman/Klehm	Within 1-2 years
2	To create within D2L a way to track progress on Knowledge of the Physical and Natural World (2D) based on exam and course performance	We are teaching this content in existing courses but just not tracking it as a program assessment.	Collier/Desman/Klehm	Within 1-2 years

Biology and Chemistry
College of Science and Engineering
2023 Program Improvement Plan

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1	Encouraging and strengthening our collaboration with the Au Sable Institute of Environmental Studies which offer many specialized relevant courses to this program	x		
2	Seek and hire a new environmental science faculty member to lead the program		x	
3	ORU should be a “thought leader in this area” and thus, we recommend specific recruiting efforts to attract students to the GES program at ORU	x		Still in progress

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2	form an interdisciplinary task force across the university to form an integrated and yet flexible curriculum.		Dr. Hal Reed	2023-2024
3	change “GES” to Global Environmental Studies		Dr. Hal Reed	2023-2024

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