



Assessment Alignment Pathway

Instructor Name: Jeff Bell, Rich Johnson, Rob Jung,
Program/Department: Biology, Natural Sciences

Institutional Outcomes (ILOs)	Program/Department Outcomes (PLOs) OR MN Transfer Curriculum Goal	Course Name	% Students/ Course	Course Outcomes (SLOs)
ILO #1: Communication Skills Students will demonstrate appropriate use of communication.	Area 3 - Natural Sciences	BIOL 1112		Analyze and present scientific data on a selected organism.
	Area 10 - People and Environment	BIOL 1112		Analyze and present scientific data on a selected organism.

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	Area 3 - Natural Sciences	BIOL 1101		Analyze data for interpretation.

ILO #2: Critical Thinking Students will gather information, develop solutions, and apply a viable plan of action.		BIOL 1104	Define directional terms and describe how they apply to anatomical position.
		BIOL 1111	Analyze data for interpretation.
		BIOL 2262	Analyze data for interpretation.
	Area 10 - People and Environment	BIOL 1101	Analyze data for interpretation.
		BIOL 1111	Analyze data for interpretation.

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ILO #3: Social Engagement Students will be prepared to practice social engagement that addresses	Area 3 - Natural Sciences	NSCI 2203		Utilize current events in environmental issues to generate responses regarding environmental, ecological, and ethical issues.

environmental responsibility, civic engagement, and global diversity.	Area 10 - People and Environment			

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ILO #4: Application of Resources Students will utilize appropriate information or technical resources.	Area 3 - Natural Sciences	BIOL 2221		Demonstrate the ability to apply microbiological laboratory techniques to study microorganisms.
		BIOL 2260		Identify and utilize appropriate resources to interpret experimental results.
		NSCI 1123		Utilize appropriate laboratory equipment to complete laboratory investigations.

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ILO #5: Personal Development Students will demonstrate professional and personal growth behaviors.	Area 3 - Natural Sciences	BIOL 2131		Collect, record, analyze, and interpret a personal diet for completeness using the current United States dietary recommendations.

Date of Competition/Revision

August 17th 2023

Assessment Measurement Activity Description
Students select an organism of interest and create a 10 minute oral presentation using a current published scientific article on their organism of interest.
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Assessment Measurement Activity Description
Students provide written feedback on a lab activity.

Students take part in an activity on identifying anatomical and directional terms.
Students provide written feedback on a lab activity.
Students provide written feedback on a lab activity.
Students provide written feedback on a lab activity.
Students provide written feedback on a lab activity.

Assessment Measurement Activity Description
Students were asked to watch a video on the the effects of environmental racism on human exposure to pollution and provide feedback in an online discussion.

Assessment Measurement Activity Description
Students provide written feedback on a lab activity.
Students provide written feedback on a lab activity.
Students use information learned during a lab activity to create a star chart for a specific location and date.

Assessment Measurement Activity Description
Students create a personal diet/food log and provide interpretation and reflection of their results.