

# 2023-24 Annual Assessment Report Earth & Geographic Sciences

## Bachelor Public Health Science

### Mission

Students in the Environmental, Geographic, and Public Health Sciences Department will develop a rich understanding of Earth's natural and social systems and their intersection with human health by cultivating analytical skills in the field, classroom, and laboratory environments. Programs in the department are designed to allow students to explore their interests with experiences that bring together theory and application, contribute to scholarly development, and prepare students for a range of career pathways.

Academic Year 2023-2024

### Bachelor Public Health Science Learning Outcomes

#### Factors that affect human health (knowledge)

Students will describe the socioeconomic, behavioral, biological, and environmental factors that affect human health.

MEASURES	RESULTS	ACTIONS										
<p><b>final paper</b></p> <p>student papers are scored using a rubric that includes a criterion specifically to address the effect of environmental variables on health outcomes.</p> <p>Direct - Assignment</p> <p><i>Environmental Health: PHS 3000</i></p> <p><b>Target</b></p> <p>80% of students score 3 out of 4.</p>	<p><b>NOT MET</b></p> <p>final paper</p> <p>Exceeded Met Approached</p> <table border="1"> <tr> <td>Exceeded:</td> <td>32%</td> </tr> <tr> <td>Met:</td> <td>42%</td> </tr> <tr> <td>Approached:</td> <td>26%</td> </tr> <tr> <td><b>Met Total:</b></td> <td><b>74%</b></td> </tr> <tr> <td><b>Not Met Total:</b></td> <td><b>26%</b></td> </tr> </table> <p><b>Analysis</b></p> <p>74% of students scored 3 or above, falling below the target of 80%. Additional practice describing factors that influence health will be built into the course.</p>	Exceeded:	32%	Met:	42%	Approached:	26%	<b>Met Total:</b>	<b>74%</b>	<b>Not Met Total:</b>	<b>26%</b>	<p><b>Gather Additional Data</b></p> <p><b>Not Started</b></p> <p>Additional courses in the curriculum also address this outcome, and will be examined in the future to determine the best course of action to strengthen student success for the outcome.</p> <p>Recommended Due Date: 06/01/2025</p>
Exceeded:	32%											
Met:	42%											
Approached:	26%											
<b>Met Total:</b>	<b>74%</b>											
<b>Not Met Total:</b>	<b>26%</b>											

#### Environmental Health (knowledge)

Students will describe fundamental scientific principles related to environmental health

MEASURES	RESULTS	ACTIONS
<p><b>series of assignments in Environmental Health</b></p> <p>Direct - Portfolio</p> <p><i>Environmental Health: PHS 3000</i></p> <p><b>Target</b></p> <p>80% of students earn an assignment average of 80% or above.</p>	<p><b>MET</b></p> <p><b>Analysis</b></p> <p>92% of students scored at least 80% as an average across four assignments</p>	<p><i>No actions have been added.</i></p>

#### Synthesize public health evidence (skill)

Students will synthesize evidence from various sources to address environmental and public health issues

**Bachelor Public Health Science**

MEASURES	RESULTS	ACTIONS												
<p><b>final paper</b></p> <p>Direct - Assignment</p> <p><i>Environmental Health: PHS 3000</i></p> <p><b>Target</b></p> <p>80% of students score 3 of 4 for rubric criterion focused on synthesizing evidence</p>	<p><b>NOT MET</b></p> <p>final paper</p> <p>Exceeded Met Approached Not Met</p> <table border="1"> <tr> <td>Exceeded:</td> <td>5%</td> </tr> <tr> <td>Met:</td> <td>26%</td> </tr> <tr> <td>Approached:</td> <td>32%</td> </tr> <tr> <td>Not Met:</td> <td>37%</td> </tr> <tr> <td>Met Total:</td> <td>32%</td> </tr> <tr> <td>Not Met Total:</td> <td>68%</td> </tr> </table> <p><b>Analysis</b></p> <p>Only 32% of students demonstrated proficiency at synthesizing public health information. Anecdotally this appeared to be due in part to lack of understanding of integrating library resources into a major subject area. More information literacy activities, including a library session, will be incorporated into the course.</p>	Exceeded:	5%	Met:	26%	Approached:	32%	Not Met:	37%	Met Total:	32%	Not Met Total:	68%	<p><b>Additional Training</b></p> <p><b>Not Started</b></p> <p>add a library session to the course and provide additional opportunities for students to practice synthesizing public health information.</p> <p>Recommended Due Date: 06/01/2025</p>
Exceeded:	5%													
Met:	26%													
Approached:	32%													
Not Met:	37%													
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