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General Studies 2020

Major-AH-GS-General Studies (AAGE) 2020

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Major-AH-GS-General Studies (AAGE)

2020

Completed

1 GOALS 1 OUTCOMES 1 MEASURES 1 TARGETS 1 FINDINGS 2 ATTACHMENTS

Institutional Mission

Arkansas Tech University is dedicated to student success, access, and excellence as a responsive campus community providing opportunities for progressive intellectual development and civic engagement. Embracing and expanding upon its technological traditions, Tech inspires and empowers members of the community to achieve their goals while striving for the betterment of Arkansas, the nation, and the world.

Program Mission

The Associate Degree in General Education provides a solid interdisciplinary education to prepare students for career pathways or for a Bachelor Degree. The General Education degree program reflects the core of Arkansas Tech University's educational mission: to develop solid research skills, to communicate effectively, to think analytically and creatively, and to provide students with a broad exposure to academic study.

Program Learning Outcomes		Expectations/Target for this Outcome	Findings/Results
<p>1 Calendar Year Assessment Information 2020</p> <p>APPROVALS & INFORMATION BLOCK (**NOTE**. This block provides a brief description of actions taking place (or planned to take place) during the current assessment cycle. If there are more (or less) outcomes assessed, please alter as necessary. Additional comments are also welcome.) Point of Contact for this year's assessment (add additional names as needed): 1) 2) APPROVALS</p> <p>----- Department Head Approval: Date: Dean Approval: Date: Office of Assessment Review: Amanda Gardner Date: 8/24/21</p> <p>----- Program Level Context: (ex. Second year using Weave Assessment Management System, or ADHE Program Review conducted on 3/15/20) Student Learning Outcomes Assessed during Calendar Year 2020 (Add more as necessary): Outcome 1: Curriculum Committee Proposals or Changes (erase choice not used): Y / N Assessment Data Used as Support for Change: (give Outcome #) Is Status of Project Noted in Title Bar Current? (erase choice not used): Y / N Change status in title bar above Are All Attachments Noted in Assessment Plan Added Below? (erase choice not used): Y / N ----- Additional Comments:</p>			

Program Learning Outcomes		Expectations/Target for this Outcome	Findings/Results
<p>1.1</p> <p>Quantitative & Scientific Reasoning</p> <p>A fundamental understanding of the scientific method, the language of science, mathematics, and technology is essential to human progress, justice and civilization. A core understanding of science, math, and technology is necessary for students entering every profession or field of inquiry.</p>	<p>1.1.1</p> <p>Scientific Reasoning Test</p> <p>In-house created exam testing Students ability to 1) identify hypotheses, 2) classify variables, 3) formulate reasonable explanations, and 4) evaluate experimental design</p>	<p>1.1.1.1 Partially Met</p> <p>Results of Beta run of Scientific Reasoning Exam in Fall 2020</p> <p>70% of students responding to exam questions (1 - 6) will score 70% or better on each question.</p>	<p>Aggregate data shows that students scored: 79% on Identify hypotheses 67% on Classify variables 33% on Formulate reasonable explanations 49% on Evaluate experimental design Course lvl data in Project Attachm</p> <p>REFLECTION ON FINDINGS AND RECOMMENDATIONS FOR NEXT STEPS</p> <p>Student achievement is not at the level we expect. We plan to convene the department heads and course faculty to discuss steps to improve student performance on Questions 2, 3, 4, 5 and 6.</p> <p>Make changes to wording of questions on exam to make them more understandable by lower level courses.</p>

Project Attachments (2)

Attachments

File Size

 Scientific Reasoning Assesment Fall 2020.docx

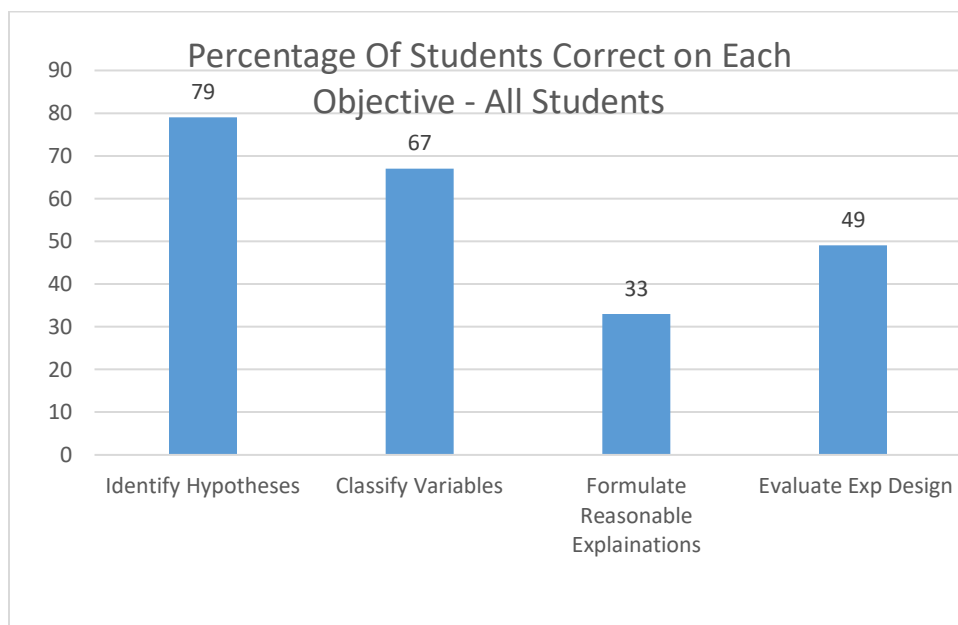
165KB

FALL 2020 – BETA TESTING RESULTS (CHEM and PHSC)

Notes: All averages are non-weighted and only students who took the quiz are included.

1. All sections combined.

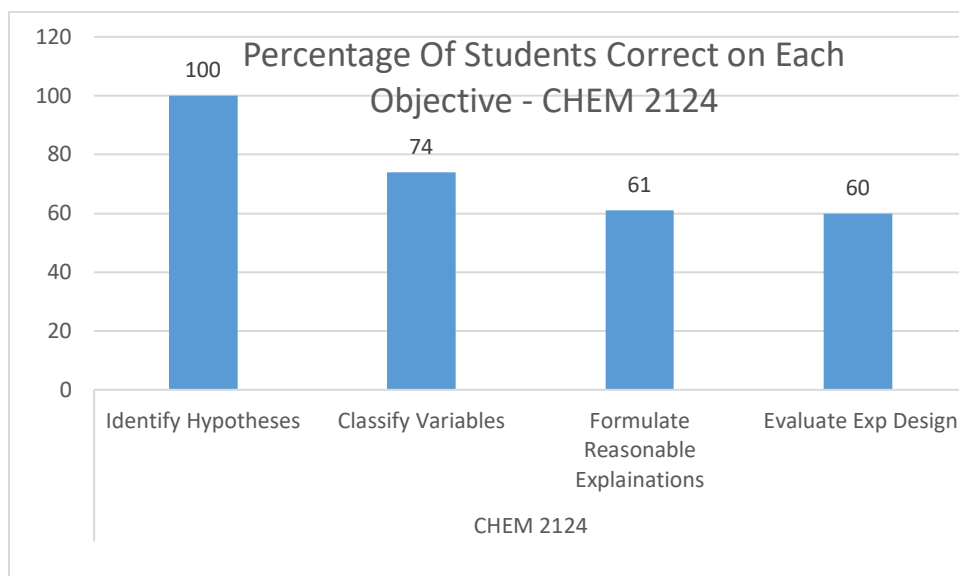
CHEM and PHSC All Sections Combined			
Identify Hypotheses	Classify Variables	Formulate Reasonable Explanations	Evaluate Experimental Design
79%	67%	33%	49%



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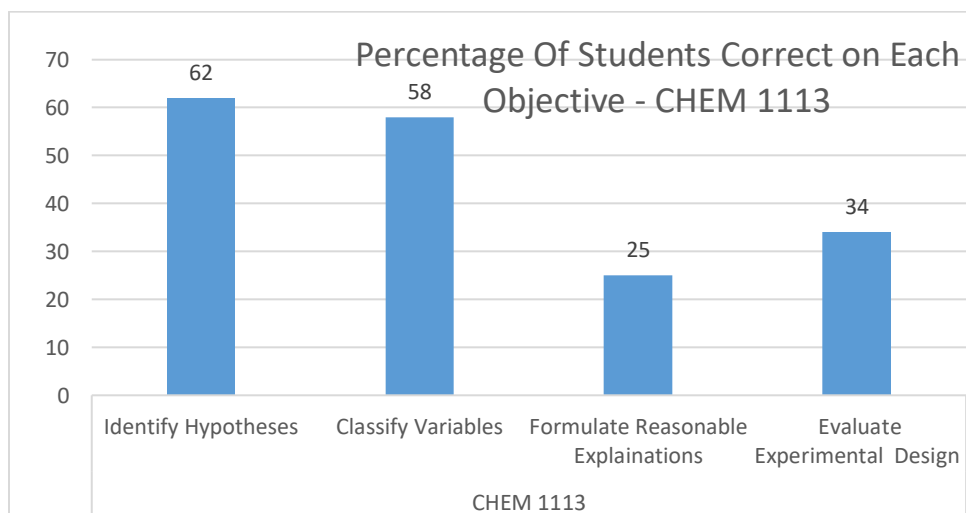
2. CHEM 2124

CHEM 2124			
Identify Hypotheses	Classify Variables	Formulate Reasonable Explanations	Evaluate Experimental Design
100%	74%	61%	60%



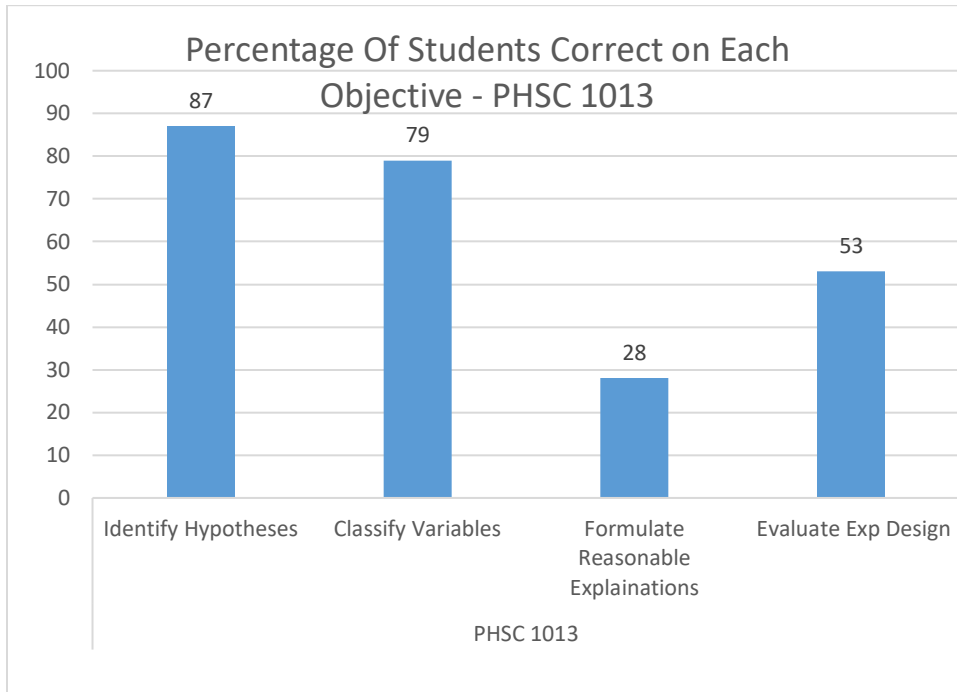
3. CHEM 1113

CHEM 1113			
Identify Hypotheses	Classify Variables	Formulate Reasonable Explanations	Evaluate Experimental Design
62	58	25	34

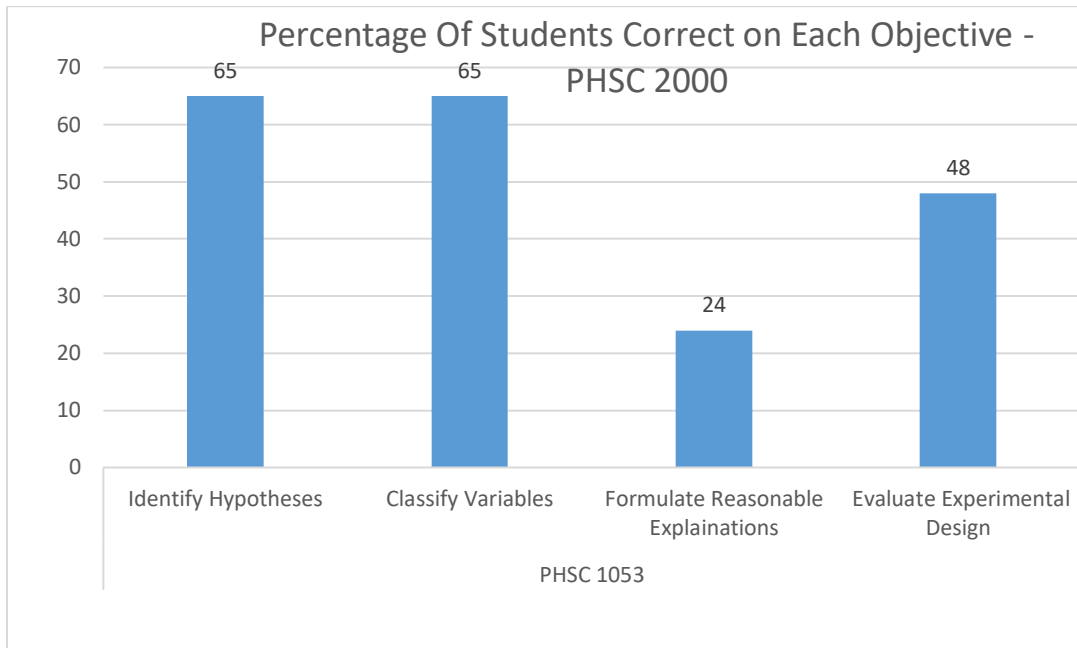


4. PHSC 1013

PHSC 1013			
Identify Hypotheses	Classify Variables	Formulate Reasonable Explanations	Evaluate Experimental Design
87	79	28	53



PHSC 1053			
Identify Hypotheses	Classify Variables	Formulate Reasonable Explanations	Evaluate Experimental Design
65	65	24	48



PHSC 2000			
Identify Hypotheses	Classify Variables	Formulate Reasonable Explanations	Evaluate Experimental Design
90	86	38	64

