Critical 871 907 hinking





Agenda

What is critical thinking?
Why measure critical thinking?
How we measure critical thinking
Results

Heighten Critical Thinking Assessment
National Survey of Student Engagement (NSSE)
Next Steps with current results
Discussion, conversation, questions





What is Critical Thinking?

Making reasoned judgements and arguments

Analysis: examine - understand - explain

Synthesis: compare - contrast - dassify - divide



Why do we measure critical thinking?

Anchor Plan Learning Outcome 5:

Analyze evidence or data to solve problems, reach informed condusions or make sound judgments

Program Learning Outcomes:

Critical thinking within academic disciplines



Common Learning Outcome 1:

Think critically and communicate dearly

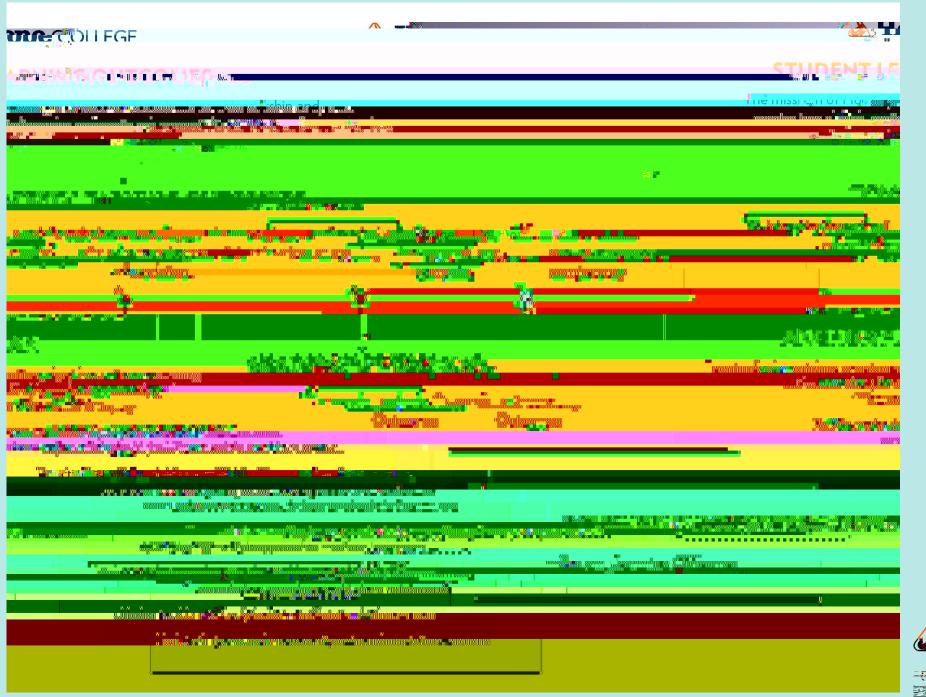
Common Learning Outcome 4:

Integrate knowledge, experience, and purpose

Our Mission:

... to educate students for lives of leadership and service in a global society through academic and co-curricular programs of recognized excellence __ and in the context of the historic Christian faith.







How Hope measures critical thinking

<u>Approach</u>

Measure

Formative (how)

Direct (test/ student work)

Heighten Critical Thinking Assessment

Heighten Critical Thinking Assessment

Summative (how much)

Indirect (survey)

Heighten Critical Thinking Assessment

National Survey of Student

National Survey of Student

Engagement (NSSE)

Engagement (NSSE)



Critical Thinking- Measurements

Heighten Critical Thinking Assessment

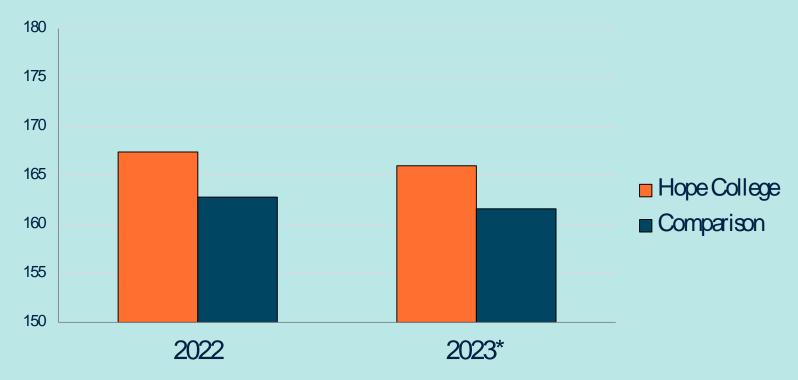
Overall critical thinking score

Analytic and synthetic skills scores



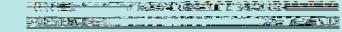
Heighten Critical Thinking

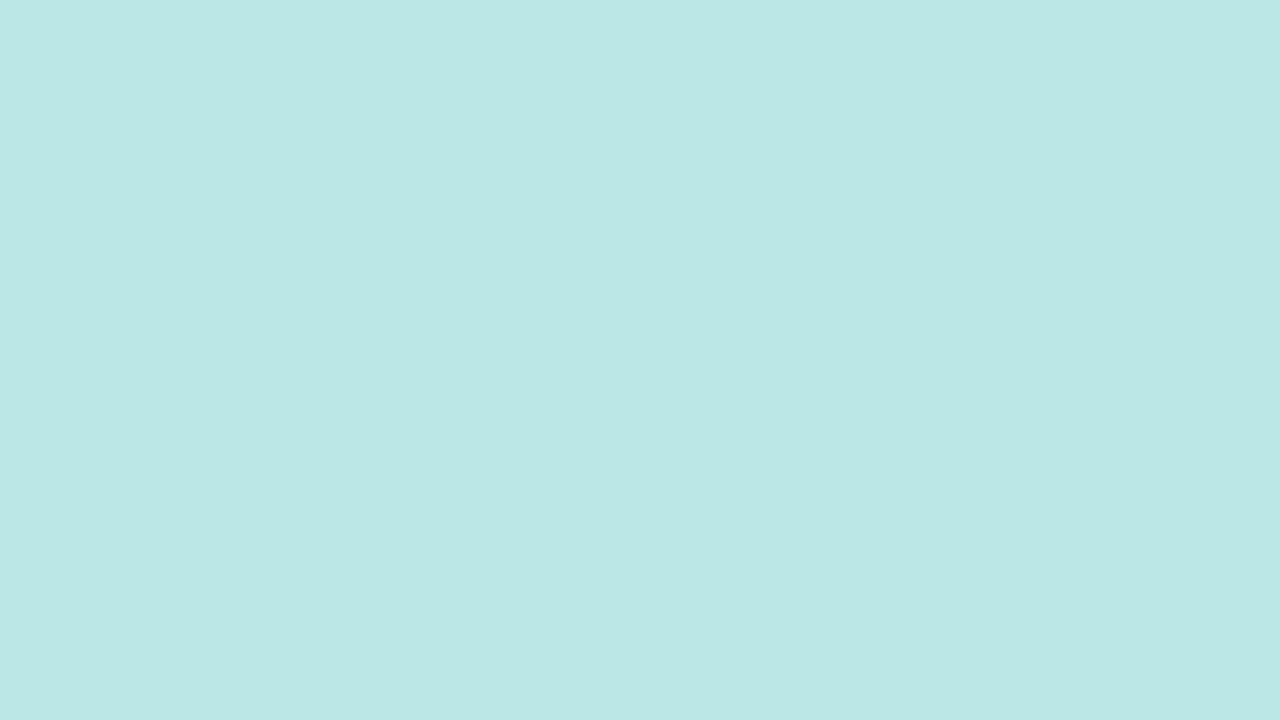




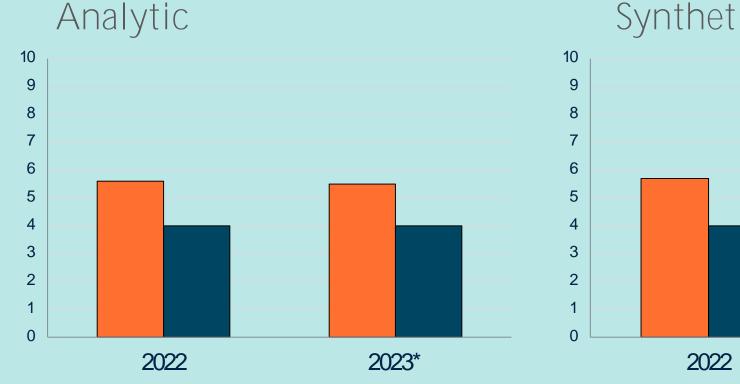
*Preliminary Data

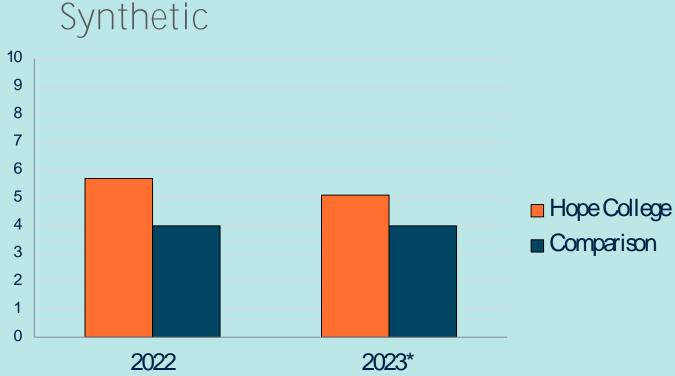






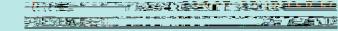
Heighten Critical Thinking





*Preliminary Data





Critical Thinking - Heighten

Hope Senior Strengths (2022)

79% were either advanced or proficient Benchmark group: 55% (12% and 43%)

21% were developing Benchmark group: 44%

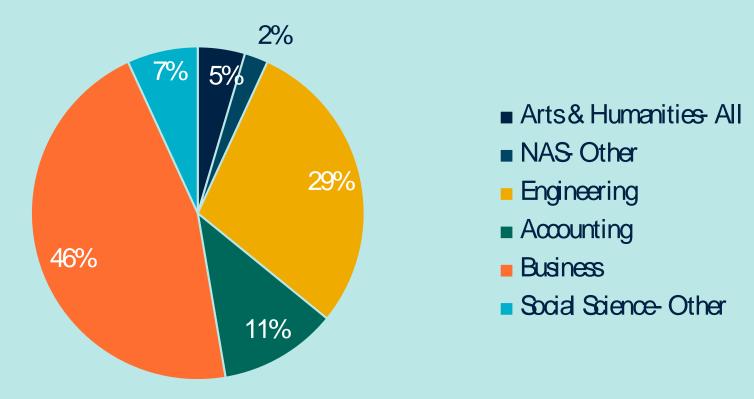
Institutional mean higher (above the middle 80%) than all participating institutions

Sub scores above 80% of comparison group



Sample Major Distribution- Heighten

Major Distribution - 2023*

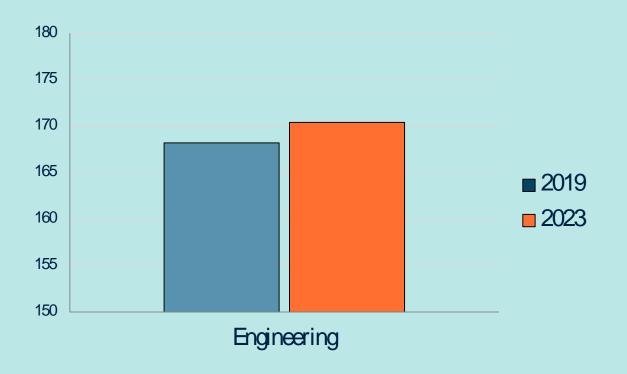


*Preliminary Data



Critical Thinking Cohort Assessment-Case Study Engineering

Cohort size: 32



Difference = +2.34 Incresse as a percentage = 7.8%



Critical Thinking- Measurements

National Survey of Student Engagement (NSSE)

Higher Order Learning Reflective and Integrative Learning Quantitative Ressoning

Hope College Seniors

2018 n = 282

2019 n = 324

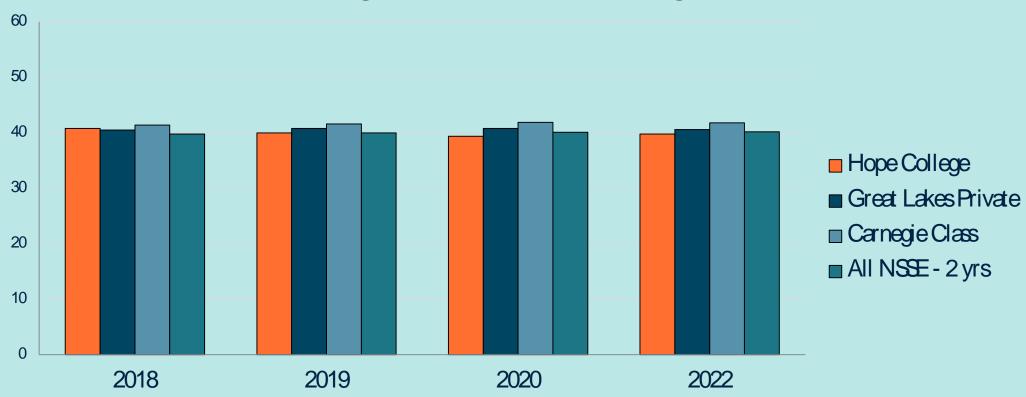
2020 n = 305

2022 n = 307



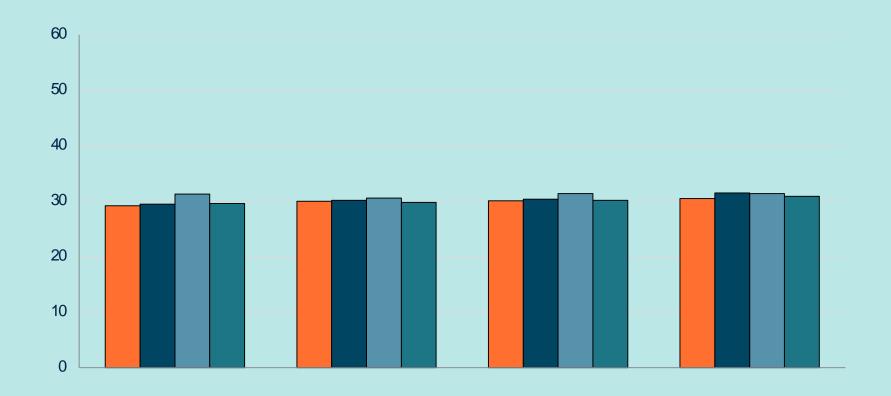
Critical Thinking (Seniors)- NSSE

Higher-Order Learning



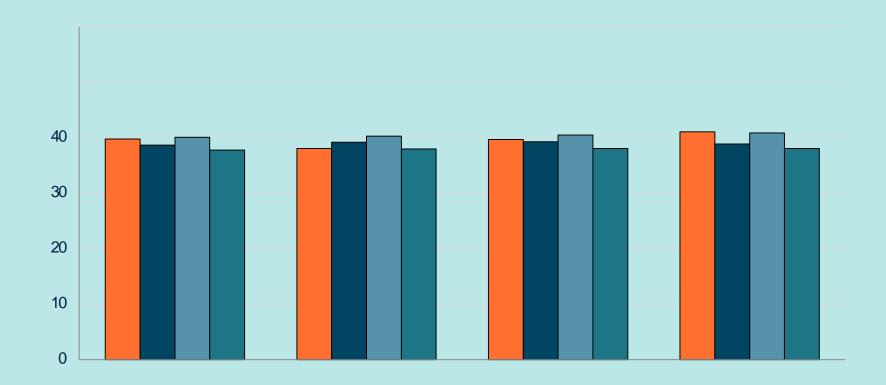


Critical Thinking (Seniors)- NSSE





Critical Thinking (Seniors)- NSSE





Recommendations to Support Critical Thinking among Hope Students*

Faculty and Staff

Normalize being comfortable with difference in interpretation

Model tolerance of ambiguity

Take into account sources that are in disagreement

Force

Administration support for broader assessment of critical thinking and professional development for instructors

* Assessment Committee, August 2022 assessment of Common Learning Outcome 1 https://drive.google.com/file/d/1ExqD5QOJO853y for BdQpPmqlZ31pvAg/view?usp=sharing



Contact Information & Resources

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https://drive.google.com/file/d/1ExqD5QOJO853y forBdQpPmqlZ31pvAg/view?usp=sharing

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Discussion, Conversation, Questions

Who at Hope College (positions or departments) would benefit from the information shared today?

Thinking about your own work at Hope, how might you use what

