

LO revisions at UGSC

28 march 2023

Current N #3:

Students will be able to communicate concepts of and contemporary issues in the natural sciences to the general population (i.e., not those educated in the natural sciences) in a way that is accessible to them.

Proposed:

After TH meeting feedback, for UGSC consideration

Students will be able **to demonstrate an understanding of the relevance** of concepts of and contemporary issues in the natural sciences // to the general population

Students will be able **to demonstrate an understanding of the relevance** to the general population of concepts and contemporary issues in the natural sciences

Final version voted on by UGSC:

Students will be able to demonstrate an understanding of the societal relevance of concepts and contemporary issues in the natural sciences

Current MATH

Students should achieve 2 of 4 of the following objectives.

1. Students will demonstrate proficiency at basic symbolic manipulation and calculation
2. Students will be able to produce and effectively communicate mathematical arguments.
3. Students will be able to design and use computational algorithms.
4. Students will be able to develop and apply techniques of mathematical modeling.

HLC assessment academy feedback is that x of y is not best practice. Top level LOs should capture some specific thing of which choices all deliver and can unify them, and these choices will them become PIs (performance indicators)

Proposed

Voted on by UGSC

1. Students will be able to perform mathematical calculations by applying mathematical rules, symbolic manipulations, definitions, and/or theorems correctly.
2. Students will be able to demonstrate ~~communicate in writing~~ their understanding of mathematical concepts and support their work ~~claims~~ using valid arguments.