LO status update to UGSC 22 Nov 22

CCAC committee

Approved LOs, UGSC November 9, 2021

- N
- S
- ITP
- CS

Not approved, in development. But see issues identified by HLC below

- IPRO – discussed no record of approval
- COM

    1. Students are able to clearly state a claim (thesis statement, blueprint statement, etc.) and cohesively support it with relevant evidence, expert testimony, etc.
    2. Students are able to supply all necessary information to an audience to allow them comprehend the message
    3. Students are able to hold the attention of the audience.

- H

    Students will have acquired at least two of the following objectives.

    1. Students will express through speaking, writing, or other communication media an understanding of fundamental concepts, theories, or methods in humanities.
    2. Students will demonstrate a critical understanding of literature, the arts, philosophy, linguistics, history, communication, or ethics.
    3. Students will demonstrate the ability to identify, evaluate, and explore human values or ethical positions

- MATH

    Learning Objectives: Students will have acquired at least two 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 modelling.

Issues:

HLC "*X of Y...* " format of existing proposed MATH and HUM LOs as not in accord with assessment needs and best practices. Recent consultation with HLC at the 2022 Assessment Academy produced feedback that when such conceptual framing is presented it generally means:

- there is some higher-level LO principle there. We should consider what these proposed areas have in common that makes them relevant as option, and excluded other areas. Once and if this can be identified, this can form the basis of this higher-level LO
- then the specific differentiating categories can be turned into *Performance Indicators*, PIs, that can satisfy these LOs.

Example:

LO area	**performance indicators**
effective calculation	• symbolic manipulation • use of algorithms • use of models
effective communication of mathematical arguments	• demonstration of proofs • demonstration of validity of calculation