ASCC NMS Panel

Approved Minutes

Monday, November 18, 2019 2:00-3:30PM

110 Denney Hall

ATTENDEES: Craigmile, Dinan, Haddad, Kwiek, Oldroyd, Ottesen, Panero, Vaessin

Agenda:

1. Chemical Physics 8880.01 and 8880.02 (course change; change credit hours)
* Ottesen, Panero, **unanimously approved**
1. Molecular Genetics 5300 (course change; change credit hours)
* Ottesen, Panero, **unanimously approved**
1. Mathematics 1154 (new course) and Mathematics 1155 (new course)
* *The Panel expressed concerns that students who take these courses may later transfer to the College of Arts and Sciences without taking Math 1151 or 1152. This may cause unintended difficulties for students who switch to ASC majors that require math beyond 1152. The Panel is concerned that this may reduce students’ future choices.*
* Craigmile, Panero, **unanimously approved** with *one comment* (in italics above)
1. Mathematics 5632 (add 100% DL delivery to existing course) (return)
* Craigmile, Ottesen, **unanimously approved**
1. Discussion of ELOs in new GE for (1) Mathematical & Quantitative Reasoning and (2) Natural Sciences
* The foundations will mostly be 1000-level courses. We should evaluate if ELOs are appropriate for foundational courses at the lower level.
* Mathematical and Quantitative Reasoning
	+ It is unclear if data analysis is a component of this category. It is included in the name on the GE structure, but is not included here.
	+ The ELOs are more concrete than the natural science ELOs. The verbs are actionable.
	+ Suggestion: Include “social and/or ethical implications of mathematical reasoning” in ELO 1.1. On its own, it is unclear how some mathematical and quantitative reasoning courses will fulfill this ELO.
	+ Suggestion: If data analysis is included in this category, the ELOs should mention probability and uncertainty. This could possibly fit in ELO 1.3. Statistics and probability are core math components that seem to be missing from the ELOs. The specific verb “predict” should be included in this context.
* Natural Sciences
	+ Suggestion: The wording of the ELOs is too broad. They need to be more specific and actionable.