ASCC NMS Panel

Approved Minutes

Monday, December 2, 2019 2:00-3:30PM

110 Denney Hall

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

Agenda:

1. Approval of 11/18/19 minutes

* Panero, Craigmile, **unanimously approved**

1. Advanced Chemistry Knowledge for Educators Certificate (new graduate certificate); Chemistry 5786 (new course); Chemistry 5787 (new course); Chemistry 5788 (new course); Chemistry 5789 (new course)

* **Include a more detailed assessment plan for the certificate. The current assessment plan lacks specificity and does not seem to match the course assignments. For example, it is stated that Goal 2 will be assessed using exams, but there are not any exams in the four required courses.**
* *Consider how to format pre-requisites for all four courses. The Panel recommends a pre-requisite of “enrollment in Advanced Chemistry Knowledge for Educators certificate” rather than requiring an undergraduate degree in chemistry or biochemistry.*
* *The Panel recommends changing the courses to the 6000-level, since students in the program will not be undergraduate students. Having the courses at the 5000-level could result in unforeseen issues, such as the unintentional enrollment of undergraduate students.*
* Craigmile, Panero, **unanimously approved** with **one contingency** (in bold above) and *two recommendations* (in italics above)

1. HCS 2200 (existing course with GE Natural Science-Biological Science; request for 100% online delivery)

* *Under required equipment: Windows 7 is not current by OSU standards. Windows 7 will no longer be supported after January 14, 2020. Update this to Windows 10.*
* Panero, Craigmile, **unanimously approved** with *one recommendation* (in italics above)

1. Physics 2050.01 (new course) and Physics 2050.02 (new course)

* *Syllabus should say “satisfactory/unsatisfactory” not “pass/fail”*
* *The Panel recommends using 16-point font for the Disability Statement.*
* *The Panel recommends considering the following questions regarding mentors:*
  + *Will mentors receive credit? Is there any other recognition or compensation for mentors?*
  + *How are mentors selected? Is care taken to avoid increasing the burden on underrepresented groups in the mentoring process?*
* Ottesen, Panero, **unanimously approved** with *three recommendations* (in italics above)

1. Discussion of ELOs in the new GE Natural Sciences

* Suggestion: Move the last half of ELO 1.1 “describe and analyze the process of scientific inquiry” to the beginning of ELO 1.2.
* The Panel discussed how to clarify the existence of a lab component in the ELOs.
  + The phrase “data drawn” in ELO 1.3 is passive. It could result in courses that are not truly scientific being included in this category.
  + Not using the word “lab” specifically will open the category to other valuable types of experiential learning.
  + Suggestion: Revise ELO 1.3 to “Engage with the processes of science through exploration, discovery, and collaboration to interact directly with the natural world using appropriate tools, models, and analysis of data.”
* Suggestion: Revise phrase “about the natural sciences” in ELO 2.3 to “from the natural sciences.”