**ASCC Natural and Mathematical Sciences Panel**

Approved Minutes

Monday April 25th, 2022 11:30 AM - 1:00 PM

Zoom

**Attendees**: Barker, Craigmile, Dinan, Hamilton, Hilty, Ottesen, Panero, Steele, Vankeerbergen

1. Approval of 4-11-22 e-vote minutes
   1. Craigmile, Hamilton; unanimously approved
2. Food Science & Technology 1200 (new course requesting new GE Foundation Natural Sciences) (return)
   1. Comment: The Panel thanks the department for their diligent attention to the Panel’s concerns and thorough response to the initial review of the course.
   2. **Contingency**: The Panel asks that the department delete the recitation component (Course Change Request pg. 1 under “Offering Information, Course Components”) since the class only consists of lecture and laboratory components.
   3. Hamilton, Ottesen; unanimously approved with **one contingency** (in bold above) and one comment.
3. EEOB 2250 (existing course; request to increase credit hours from 2 to 3)
   1. **Contingency:** The Panel asks that the department clarify when students will be allowed access to the class via Zoom (i.e., with approved accommodations from SLDS, with a doctor’s note, etc.). Additionally, they ask that information about the course being available in a synchronous online format be relocated to the accessibility section of the syllabus (pg. 12 under “Accessibility Accommodations”) rather than in the course delivery section (pg. 4 under “How This Course Works”).
   2. *Recommendation:* The Panel recommends that the department carefully review the syllabus for language that implies that this is an online course. For example, on pg. 4 of the syllabus the subheading under “How This Course Works; Participation and assignment requirements”, the “boilerplate” language says that participation in in-class activities is required “at least once per week”, but the text that immediate follows says that students “are expected to attend lectures every day.” Similarly, under “Office hours and discussion boards” (syllabus pg. 4), it says “all live, scheduled events for the course are optional.”
   3. *Recommendation:* The Panel notes and appreciates the existing course syllabus’ explanation regarding which edition of the recommended textbook students should purchase, and who might want to purchase this text (existing course syllabus pg. 3). They recommend updating this explanation and including it in the new syllabus.
   4. Craigmile, Hamilton; unanimously approved with **one contingency** (in bold above) and *two recommendations* (in italics above.)
4. Physics 1270 (new course) (return)
   1. **Contingency:** The Panel asks that the department alter explanation of credit hours and work expectations (syllabus pg. 3 under “How This Course Works”) to reflect the fact that this is a course with a laboratory component, and at least 6 CH of in-class work per week. Details regarding the work expectations for a course with a laboratory component can be found in the [ASC Curriculum and Assessment Operations Manual](https://asccas.osu.edu/sites/default/files/2021-09/2021-22_asc_curriculum_and_assessment_operations_manual.pdf) on pg. 18-19 under “VI.B.3. Definition of Semester Credit Hour”.
   2. *Recommendation:* The Panel recommends that the department remove the 3 digit quarter course numbers (i.e. Math 152 or Math 191H) from the list of course pre-requisites (syllabus pg. 2).
   3. *Recommendation:* The Panel recommends that the department provide students with more information regarding how the class attendance portion of the grade will be calculated (syllabus pg. 3 under “Class Attendance”). While they understand that 10% of a student’s grade will come from lecture attendance and participation via TopHat, they recommend more specificity in regard to how much of the grade will be based on answering TopHat questions *correctly* rather than simply engaging with the questions to show that they are present.
   4. Ottesen, Craigmile; unanimously approved with **one contingency** (in bold above) and *two recommendations* (in italics above.)
5. Earth Science 4911 (new course; cross-listed with Geography 4911, also requesting new GE Theme Sustainability)
   1. Comment – The Natural and Mathematical Sciences Panel concurs with the contingencies and recommendations of the Social and Behavioral Sciences Panel.
   2. **Contingency:** Like the SBS Panel, the NMS Panel asks to see bibliographic information (title, author, page numbers, etc.) for readings that do not come from the course textbook. While the Panel understands that this is a rapidly developing field, and as such, these readings will change from semester to semester, an exemplar will help the Panel assess the rigor of the course.
   3. **Contingency:** The Panel requests that the department include Earth Sciences/History/EEOB 1911 as an acceptable pre-requisite (Course Change Request pg. 1 under “Pre-Requisites and Exclusions” and syllabus pg. 1 under “Course Overview”) since 2911 was previously numbered 1911, and a number of current students will have that course as the pre-requisite.
   4. *Recommendation:* The Panel recommends that the deadlines in the “Description of Team Project Assignment” (syllabus pg. 6) be clearly laid out on the Weekly Schedule (Syllabus pg. 11) with specific due dates for each portion of the project.
   5. *Recommendation:* Since quantitative concepts are a part of the course, the Panel recommends that the department specify whether calculations will be required as a part the exams and outline any expectations surrounding this.
   6. Barker, Hamilton; unanimously approved with **two contingencies** (in bold above,) *two recommendations* (in italics above,) and one comment.
6. Mathematics 1125 (existing course requesting new GE Foundation: Mathematical and Quantitative Reasoning--or Data Analysis)
   1. The Panel feels that this class does not meet the minimum skill level required for a collegiate mathematics course. While they understand that the pedagogical concepts taught in the course make it appropriate for college credit, the mathematical concepts that are covered do not exceed the level of Math 1075, which is a not-for-credit remedial math course. As such, they feel this course is not appropriate for inclusion in the GE Foundation: Mathematical and Quantitative Reasoning or Data Analysis category.
   2. Craigmile; Hamilton; unanimously not approved
7. Mathematics 1135 (existing course requesting new GE Foundation: Mathematical and Quantitative Reasoning or Data Analysis)
   1. The Panel feels that this class does not meet the minimum skill level required for a collegiate mathematics course. While they understand that the pedagogical concepts taught in the course make it appropriate for college credit, the mathematical concepts that are covered do not exceed the level of Math 1075, which is a not-for-credit remedial math course. As such, they feel this course is not appropriate for inclusion in the GE Foundation: Mathematical and Quantitative Reasoning or Data Analysis category.
   2. Barker, Ottesen; unanimously not approved