GENERAL EDUCATION COMMITTEE RECOMMENDATION FORM

REQUEST FOR “AREA B1-3: SCIENTIFIC INQUIRY” DESIGNATION

**TO:**  **\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_, Chair, Curriculum Committee**

**FROM:**  **\_\_\_\_\_ \_\_\_\_\_\_\_\_\_, (Interim) Chair, General Education Committee**

**DATE:**

# SUBJECT: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Proposed Course Subject:

Proposed Course Title:

Submitted by:

Date Submitted:

# GE COMMITTEE SUMMARY

*In the space provided, please include the following information: when the committee met, who was in attendance, who was absent (and for what reason), a record of the vote/decision, and a brief summary of the committee discussion (including justifications for decisions and dissenting opinions):*

When reviewing courses, the GE Committee considers how well a course accords with the description of the subject area in EO1100, and whether or not the course will require that students satisfy the Cal Maritime General Education Learning Outcomes:

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| EO1100 Description of Area B 1-3:  Physical Science (B1), Life Science (B2), Laboratory Activity (B3) | GE Committee Discussion Notes |
| In Subareas B1-B3, students develop knowledge of scientific theories, concepts, and data about both living and non-living systems. Students will achieve an understanding and appreciation of scientific principles and the scientific method, as well as the potential limits of scientific endeavors and the value systems and ethics associated with human inquiry. The nature and extent of laboratory experience is to be determined by each campus through its established curricular procedures. |  |

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| Cal Maritime GE Learning Outcomes: Area B1-B3  Scientific Reasoning | GE Committee Discussion Notes |
| GELO 4: Apply scientific principles and the scientific method to data about both living and non-living systems. |  |

When reviewing courses, the GE Committee also considers the “IGETC Standards, Policies & Procedures for Intersegmental General Education Transfer Curriculum, Version 2.0” (updated May 2019) and the “Guiding Notes for General Education Course Reviewers” (updated October 2019) which were “developed based on recommendations from the faculty and staff who review course outlines proposed for lower division general education credit in the University of California (UC) and the California State University (CSU).”

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| IGETC Standard for Area B Courses | GE Committee Discussion Notes |
| 10.5 Physical and Biological Sciences Requirement:  “Courses must emphasize experimental methodology, the testing of hypotheses, and the power of systematic questioning, rather than only the recall of facts. Courses that emphasize the interdependency of the sciences are especially appropriate for non-science majors.” / “Students must develop a comprehension of the basic concepts of physical and biological sciences, and a sophisticated understanding of science as a human endeavor, including the limitations as well as the power of scientific inquiry.”  10.5.1 Courses that Do Not Fulfill the Requirement: Acceptable courses *must* focus on teaching the basic concepts of biological sciences. Human Nutrition, Horticulture, Forestry, Health, and Human Environment courses were determined to have a narrow or applied focus and therefore unacceptable for this area. Courses which emphasize the major concepts of the discipline, including biochemical and physiological principles, will be considered. Courses which do not focus on the core concepts of a physical science discipline, such as Energy and the Way We Live, are not acceptable. Courses which survey both the physical and biological sciences but are not comparable in depth and scope to a traditional science course or focus on a particular subject will not satisfy [the requirement].  10.5.2 Laboratory Science Requirement: “The intent of the IGETC laboratory science requirement is that students take at least one physical or biological science course incorporating a laboratory component. Since the experimental methodology and hypothesis testing taught in a lab builds on the principles presented in the lecture portion of the course, the two must be related. Therefore, the laboratory must correspond to one of the lecture courses taken to fulfill this IGETC requirement. A student cannot use lecture courses in two subjects and a laboratory in a third subject. It is expected that the lecture course is a prerequisite or co-requisite of the laboratory course. Lecture and lab courses may have separate course numbers. Lab science courses must include a clearly identified lab manual in the course outline. |  |

The GE Committee votes on whether or not a course should be classified as “General Education” based on the criteria above. However, the committee should preserve a record of any discussion regarding potential impact across the university, overlaps with existing courses, concerns about assessment (including recommendations regarding learning outcomes, assessment plans, etc.), and anything else the committee deems important for the Curriculum Committee to consider in the space below:

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| Additional Discussion Notes |
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