**ABSTRACT**

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| **Course Abbreviation and Number:** | **Course Title:** |
| **Number of Units:****\_\_\_\_\_** |
| **College or Program:**[ ] CHABSS [ ] CSM [ ] CEHHS [ ] COBA □Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **Desired term of implementation:** [ ]  Fall [ ] Spring  [ ] Summer Year:      | **Mode of Delivery:**[ ]  face to face[ ]  hybrid[ ] fully on-line |
| **Course Proposer (please print):** | **Email:** | **Submission Date:** |

**1. Course Catalog Description:**

**2. GE Syllabus Checklist: The syllabi for all courses certified for GE credit must contain the following:**

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| [ ]  | Course description, course title and course number |
| [ ]  | Student learning outcomes for General EducationArea and student learning objectives specific to your course, linked to how students will meet these objectives through course activities/experiences |
| [ ]  | Topics or subjects covered in the course |
| [ ]  | Registration conditions |
| [ ]  | Specifics relating to how assignments meet the writing requirement |
| [ ]  | Tentative course schedule including readings |
| [ ]  | Grading components including relative weight of assignments |

**SIGNATURES**

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| Course Proposer |  | Date |  | Department Chair |  | date |  |
| ***Please note that the department will be required to report assessment data to the GEC annually. \_\_\_\_\_\_*** ***DC Initial*** |
|  |  | Support□ | Do not support\*□ |  |  | Support□ | Do not support\*□ |
| Library Faculty | Date |  |  | Impacted Discipline Chair | Date |  |  |
|  |  |  |  |  |  |  |  |
|  |  | Support□ | Do not Support\*□ |  |  | Approve□ | Do not Approve□ |
| Impacted Discipline Chair | Date |  |  | GEC Chair | Date |  |  |

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| **\* If the proposal is not supported, a memo describing the nature of the objection must be provided.** |
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| Course Coordinator:      Phone:      Email:       |

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| ***Part A: B1 Physical Science General Education Learning Outcomes (GELOs) related to course content. [Please type responses into the tables.]***  |
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| **Physical Science GELOs this course will address:** | **Course content that addresses each GELO.** | **How will these GELOs be assessed?** |
| B1.1 Students will explain accepted modern physical or chemical principles and theories, their areas of application, and their limitations.  |       |       |
| B1.2 Students will apply the discipline’s customary methods to solve problems through data collection, critical evaluation of evidence, the application of quantitatively rich models, and /or employment of mathematical and computer analysis.  |       |       |
| B1. 3 Students will be able to articulate what makes a good scientific theory, incorporating values of parsimony, agreement with experimental or observational evidence, and coherence with other mathematical or physical theories. |       |       |
| B1.4 Students will be able to identify areas in which ethics either (1) directs or limits physical science research or (2) is informed by the products of this research |       |       |

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***Part B: General Education Learning Outcomes required of all GE courses related to course content:***

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| **GE Outcomes required of all Courses** | **Course content that addresses each GE outcome?** | **How will these GELOs be assessed?** |
| Students will communicate effectively in writing to various audiences. (writing) |       |       |
| Students will think critically and analytically about an issue, idea or problem. (critical thinking) |       |       |
| Students will find, evaluate and use information appropriate to the course and discipline. (Faculty are strongly encouraged to collaborate with their library faculty.)  |       |       |

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| ***Part C: GE Programmatic Goals: The GE program aligns with CSUSM specific and LEAP Goals. All B1 courses must meet at least one of the LEAP Goals.***

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| **GE Programmatic Goals** | ***Course addresses this LEAP Goal:*** |
| LEAP 1: Knowledge of Human Cultures and the Physical and Natural World. | ***[ ] No*** ***[ ] Yes*** |
| LEAP 2: Intellectual and Practical Skills | ***[ ]  No*** ***[ ] Yes*** |
| LEAP 3: Personal and Social Responsibility | ***[ ]  No*** ***[ ] Yes*** |
| LEAP 4: Integrative Learning | ***[ ] No*** ***[ ] Yes*** |
| **CSUSM Specific Programmatic Goals** | **Course content that addresses the following CSUSM goals. Please explain, *if applicable.*** |
| CSUSM 1: Exposure to and critical thinking about issues of diversity. | ***[ ]  No*** ***[ ] Yes (please describe):*** |
| CSUSM 2: Exposure to and critical thinking about the interrelatedness of peoples in local, national, and global contexts. | ***[ ] No*** ***[ ] Yes (please describe):*** |

***Part D: Course requirements to be met by the instructor.*** |
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| **Course Requirements:** | **How will this requirement be met by the instructor?** |
| Course meets the All-University Writing requirement: A minimum of 2500 words of writing shall be required for 3+ unit courses.  |  |
| Courses shall include an evaluation of written work which assesses both content and writing proficiency, using a writing style and use of language that is appropriate for the sciences. |  |
| Courses should demonstrate to students that the applications of physical science principles and theories can lead to lifelong learning in science and to productive and satisfying life choices. |  |
| Courses should demonstrate to students the ways in which science influences and is influenced by societies in both the past and the present.  |  |
| Courses should empower students to communicate effectively to others about scientific principles and their application to real-world problems. |  |
| Courses shall build the students’ information literacy in a way that is appropriate to the field and level of the course. |  |
| Courses shall require students to think critically so that they are able to distinguish scientific arguments from pseudo-scientific myths or opinions. |  |

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