**GE Area**: **B5** **Title:** **Course** #

Reviewer’s Name:

**B5: Science and Technology Synthesis**

Courses in this area shall deal both with the relationship between science, technology, and civilization and with the effect science and technology have on culture and human values. Synthesis courses in this area are essentially integrative in nature, incorporating the application and generalization of basic scientific or quantitative knowledge from the foundational courses to real world or practical problems. The expanded course outline for courses proposed for this area must clearly indicate an integration of themes and issues within scientific inquiry, quantitative reasoning, and/or technology. (Also, see Guidelines for Upper Division Synthesis Courses)

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| Rubric Question | GE subareas or SLOs mapped | Comments |
| 1. Does the course meet the description of the GE Subarea?
 | Meets the description of the GE Subarea B5 (above) |  |
| Meets Guidelines for GE Upper Division Synthesis Courses |  |
| Will develop higher-order cognitive skills. |  |
| 1. Does the course fully address the GE SLOs mapped to the subarea?
 | 1a – Write effectively |  |
| 1b - Speak effectively to various audiences |  |
| 1c - Find, evaluate, use, and share information effectively and ethically |  |
| 1d - Construct arguments based on sound evidence and reasoning to support an opinion or conclusion |  |
| 1e - Apply and communicate quantitative arguments using equations and graphical representations of data |  |
| 2a - Apply scientific methods and models to draw quantitative and qualitative conclusions about the physical and natural world |  |
| 2d - Integrate concepts, examples, and theories from more than one discipline to identify problems, construct original ideas, and draw conclusions |  |
| 1. Is there a meaningful writing component?
 |  |  |
| 1. Is the mapping of methods of evaluation to the GE SLOs reasonable
 |  |  |

**Review Result: A= Approve (No discussion at Senate), AF = Approved & Forward to Senate, IC = Incomplete (return to originator), R = Reject (return to originator)**

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| **AG (S)** | **CBA (S)** | **CLASS (S)** | **CCHM (S)** | **CEIS (S)** | **ENR (S)** | **ENV(S)** | **LIB (S)** | **SCI (S)** |
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**Expanded Course Outline Approval Checklist** S = Subcommittee Committee Member