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| Addition or Update to Core Course Lists, 2017-2018  Core Component Area: Natural Science & Technology (030 & 093)  Macintosh HD:Users:jessicaanderson:Desktop:UGS:UGS logos:ugs horizontal black.eps | | |
| **Instructions:** This form should be used by colleges, schools, and departments to propose or update courses to the core curriculum course lists. It should be routed through the department chair and the college/school dean’s office. Forms do not need to be signed but should be emailed to Core Course Proposals, core.proposals@austin.utexas.edu, by the dean’s designee with a copy to the college/school’s academic or student dean. A course syllabus should be attached.  Questions may be directed to Jennifer Morgan, 512-471-9809 or jenny.morgan@austin.utexas.edu. | | |
| **Please check one:** | | |
|  | I am updating information for an existing core course  I am proposing to add a course to the core course list | |
| **Department** | |  |
| **Course Number** | |  |
| **Course Title** | |  |
| In order satisfy the depth criteria of the Natural Science & Technology Part I area of the requirement, courses must introduce students to the most fundamental and important concepts in the natural sciences as part of a recommended set of courses.  Courses that do not have a second 3-hour course to create a six-hour recommended sequence are eligible for the Natural Science & Technology Part II breadth area of the requirement. (Any course included in part I will be automatically included to count for part II.)  **Please check one:** | | |
|  | **Course to count for Natural Science & Technology Part I (030)**  If checked, please list the course(s) with which this course should be paired to fulfill the 6-hour recommended set.  **Course to count for Natural Science & Technology Part II (093)** | |
| **Paired Courses**  ***For Part I only*** | |  |

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| **THECB definitions of the required core objectives for Natural Science & Technology** |
| 1. **Critical Thinking Skills:** to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information. 2. **Communication Skills:** to include effective development, interpretation and expression of ideas through written, oral and visual communication. 3. **Empirical and Quantitative Skills:** to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions. 4. **Teamwork:** to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal. |
| Courses in this component area are expected to give students an appreciation of the current state of knowledge in two or more areas of natural science and technology. They should help students understand the methods, approaches and theories that scientists use to answer questions about the natural world.  Please explain how this course meets this requirement, referring as appropriate to the attached syllabus. |
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| Courses in this component area also are expected to result in a set of student competencies and, in doing so, to address the following core objectives, defined on the previous page: communication skills, critical thinking skills, empirical and quantitative skills, and teamwork.  Please explain how the course material or the activities in this class meet the following student competencies, referring as appropriate to the attached syllabus.  (1) To effectively communicate what scientific theories and methods tell us. (COMM) |
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| (2) To work effectively with others when approaching a scientific problem. (TEAMWORK) |
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| (3) To identify, analyze, and synthesize the information needed to solve a scientific problem. (CT) |
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| (4) To accurately apply quantitative methods when solving scientific problems. (EQS) |
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