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| **Core Curriculum Course Submission**  **Criteria: Science** |

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| **1. General Information** | | | | |
| **a. Originating Person** | | **b. Contact Person’s E-mail** | **c. Contact Phone** | **d. Date** |
|  | |  |  | 04/15/2014 |
| **e. College/School** | | **f. Department/Program** | | |
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| **Submission Statement**  By submitting this form, we acknowledge our understanding that the Core Council has the authority to review approved courses to ensure they continue to meet the established goals and outcomes of that category of the core; that the Council has authority to develop a core assessment program; and that the Council will be developing review and assessment policies by the end of 2014. Further, we agree that if this course is approved, we will participate in the university-wide assessment of the core. | | | | |
| **Chair and Dean Awareness**  A separate statement from the chair must be included that states that the department faculty have approved this course for submission to the core and that the chair takes responsibility for informing the Dean about the submission of the course. | | | | |
| **2. Course Information** | | | | |
| **a. Course ID** | **b. Current Title** | | | |
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| **c. Catalog Description** | | | | |
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| **d. How will your department ensure a level of consistency among sections of this course? Who will be responsible for this?** | | | | |
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| **Educational Goals** | **Learning Outcomes students will** | **Learning Objectives: At the end of the course students will be able to** | **Assignments** | **Explanation** |
| **Knowledge** 1 **–Concepts, methodologies, findings, and applications of mathematics and the social and natural sciences, engineering and technology.** | 1. understand the theoretical perspective used in one or more science discipline; | **Learning Objectives 1.1** | **Assignments 1.1** | **Explanation 1.1** |
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| 2. understand observational and experimental methods used in one or more of the sciences; | **Learning Objectives 1.2** | **Assignments 1.2** | **Explanation 1.2** |
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| 3. understand applications and limitations of the sciences; | **Learning Objectives 1.3** | **Assignments 1.3** | **Explanation 1.3** |
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| **Educational Goals** | **Learning Outcomes students will** | **Learning Objectives: At the end of the course students will be able to** | **Assignments** | **Explanation** |
| **Skills 1 – Communication** | 1. develop an understanding of how to communicate scientific procedures, results from the inquiry and conclusions resulting from applying the scientific method; | **Learning Objectives 1.1** | **Assignments 1.1** | **Explanation 1.1** |
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| **Educational Goals** | **Learning Outcomes students will** | **Learning Objectives: At the end of the course students will be able to** | **Assignments** | **Explanation** |
| **Skills 2 – Critical Thinking, Quantitative Reasoning, and Solving Problems Individually and Collaboratively** | 1. develop basic skills from the scientific method including inquiry, data collection, analysis, and interpretation in order to explore a scientific problem from hypothesis testing to formulating a conclusion based on the inquiry; | **Learning Objectives 2.1** | **Assignments 2.1** | **Explanation 2.1** |
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| 2. learn about the world through observation and experimentation, through modeling and interpretation, and through analysis and evaluation; | **Learning Objectives 2.2** | **Assignments 2.2** | **Explanation 2.2** |
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| **Educational Goals** | **Learning Outcomes students will** | **Learning Objectives: At the end of the course students will be able to** | **Assignments** | **Explanation** |
| **Skills 3 – Information Technology** | 1. develop and apply technological tools for inquiry, analysis, and presentation of scientific information and data; | **Learning Objectives 3.1** | **Assignments 3.1** | **Explanation 3.1** |
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| **Educational Goals** | **Learning Outcomes students will** | **Learning Objectives: At the end of the course students will be able to** | **Assignments** | **Explanation** |
| **Values 1 – Personal Responsibility and Ethical Behavior** | 1. take responsibility for completing assignments in an ethical manner, working on one’s own when required and acknowledging resources when used; | **Learning Objectives 1.1** | **Assignments 1.1** | **Explanation 1.1** |
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| 2. develop an understanding of the ethical obligations in conducting research, and of being precise and accurate with data, including how this obligation applies to communication of information; | **Learning Objectives 1.2** | **Assignments 1.2** | **Explanation 1.2** |
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| **Educational Goals** | **Learning Outcomes students will** | **Learning Objectives: At the end of the course students will be able to** | **Assignments** | **Explanation** |
| **Values 2 – Civic Responsibility** | 1. develop an understanding of the ethical issues that may result when applying scientific knowledge that is incomplete. | **Learning Objectives 2.1** | **Assignments 2.1** | **Explanation 2.1** |
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| **Additional Comments:** |

                 

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| Approved by Core Curriculum Committee |  | Date |  | Approved by Provost |  | Date |

     

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| Approved by Chancellor |  | Date |