**Core Curriculum Course Submission Core Concepts II A Scientific Concepts Worksheet**

**Scientific Concepts Worksheet**

Students will recognize scientific evidence and apply the basic principles of scientific inquiry.

Student Learning Outcomes:

1) Apply the methods of scientific inquiry

2) Analyze evidence using scientific methods

<table>
<thead>
<tr>
<th>SLO’s</th>
<th>Examples /Questions/Guides for alignment. Does the course require students to do any of the following?</th>
<th>Related Course SLO(s) How do course SLOs align with the Core Curriculum SLOs?</th>
</tr>
</thead>
</table>
| SLO1: Apply the methods of scientific inquiry | □ Propose one or more solutions/hypotheses/research methodologies that indicate a thorough comprehension of the problem.  
□ Develop solutions/hypotheses/research methodologies that are sensitive to contextual factors including: ethical, logical, historical and cultural dimensions of the problem. | | |
| SLO2: Analyze evidence using scientific methods | □ Organize and synthesize evidence to reveal insightful patterns, differences or similarities related to focus.  
□ Evaluate solutions thoroughly.  
□ Apply logic/reasoning.  
□ Examine feasibility of solution/s and weighs the impact of solution/s. | | |

Approved 4/10/15 Core Curriculum Committee