AGENDA ITEM 8.

MnTC Goal Area 2 Cross-Walk

Course:
Goal Area:  2 – Critical Thinking

Goal: To develop thinkers who are able to unify factual, creative, rational, and value-sensitive modes of thought. Critical thinking will be taught and used throughout the general education curriculum in order to develop students' awareness of their own thinking and problem-solving procedures. To integrate new skills into their customary ways of thinking, students must be actively engaged in practicing thinking skills and applying them to open-ended problems.

Students will be able to:
1. Gather factual information and apply it to a given problem in a manner that is relevant, clear, comprehensive, and conscious of possible bias in the information selected.
2. Imagine and seek out a variety of possible goals, assumptions, interpretations, or perspectives which can give alternative meanings or solutions to given situations or problems.
3. Analyze the logical connections among the facts, goals, and implicit assumptions relevant to a problem or claim; generate and evaluate implications that follow from them.
4. Recognize and articulate the value assumptions which underlie and affect decisions, interpretations, analyses, and evaluations made by ourselves and others.

<table>
<thead>
<tr>
<th>MnTC Competency</th>
<th>Course Competencies:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 2 3 4</td>
<td>Explain the concept of &quot;critical thinking.&quot;</td>
</tr>
<tr>
<td>3</td>
<td>Analyze arguments to determine whether they are valid or strong.</td>
</tr>
<tr>
<td>3</td>
<td>Recognize common forms of logical fallacies.</td>
</tr>
<tr>
<td>1 4</td>
<td>Recognize common forms of cognitive bias.</td>
</tr>
<tr>
<td>1 2 4</td>
<td>Identify assumptions and hidden premises in arguments.</td>
</tr>
<tr>
<td>1 3</td>
<td>Explain the importance of conceptual clarity and the problems with ambiguity.</td>
</tr>
<tr>
<td>2</td>
<td>Analyze different concepts of &quot;truth&quot; and debates about its significance.</td>
</tr>
<tr>
<td>1 3 4</td>
<td>Describe the nature, capacity and limits of the scientific method.</td>
</tr>
<tr>
<td>1 2 4</td>
<td>Evaluate different sources of information (especially the media and websites) to determine their legitimacy.</td>
</tr>
<tr>
<td>1 2 3 4</td>
<td>Recognize and employ the intellectual virtues.</td>
</tr>
</tbody>
</table>