

Area 5 – Mapping Student Learning Outcomes (sources – [A Taxonomy for Learning, Teaching, and Assessing](#), Anderson & Krathwohl, and [A Model for Learning Objectives](#), Iowa State University Center for Excellence in Learning and Teaching)

		COGNITIVE PROCESS DIMENSION					
		1. REMEMBER Recall and retrieval of foundational disciplinary information.	2. UNDERSTAND Make meaning out of information.	3. APPLY Use information in a similar situation.	4. ANALYZE Take apart information and explore component connections.	5. EVALUATE Examine critically and judge.	6. CREATE Create something new.
KNOWLEDGE DIMENSION	<b>A. FACTUAL KNOWLEDGE</b> Foundational information in a discipline.	<i>List</i>	<i>Summarize</i>	<i>Respond</i>	<i>Select</i>	<i>Check</i>	<i>Generate</i>
	<b>B. CONCEPTUAL KNOWLEDGE</b> Connection of foundational elements to overall structure and function.	<i>Recognize</i>	<i>Classify</i>	<i>Provide</i>	<i>Differentiate</i>	<i>Determine</i>	<i>Assemble</i>
	<b>C. PROCEDURAL KNOWLEDGE</b> Methods for investigating and acting.	<i>Recall</i>	<i>Clarify</i>	<i>Carry Out</i>	<i>Integrate</i>	<i>Judge</i>	<i>Design</i>
	<b>D. META-COGNITIVE KNOWLEDGE</b> Reflection on thinking in the discipline.	<i>Identify</i>	<i>Predict</i>	<i>Use</i>	<i>Deconstruct</i>	<i>Reflect</i>	<i>Create</i>

