Appendix Document 3: Draft CT ILOs for TPI

Critical Thinking Learning Outcomes

With diligent effort on their part, students will:
1. Recognize critical thinking as a process of identifying, analyzing, evaluating, and constructing reasoning in deciding what conclusions to draw or actions to take.

And be able to do one or more of the following:
2A. Identify reasoning as they apply it to general or discipline-specific questions or issues.
2B. Analyze reasoning as they apply it to general or discipline-specific questions or issues.
2C. Evaluate reasoning as they apply it to general or discipline-specific questions or issues.
2D. Construct reasoning as they apply it to general or discipline-specific questions or issues.

GEP Foundation Level Learning Outcomes

Upon completing this requirement, students will be able to:

Written Communication
1. Compose an articulate, thoughtful, grammatically correct, and logically organized piece of writing with properly documented and supported ideas, evidence, and information suitable to the topic, purpose, genre, and audience.
2. Apply your understanding of elements that shape successful writing to critique and improve your own and others’ writing through effective and useful feedback.

1. **CT Outcome**: Construct a piece of reasoning in writing by formulating a clear conclusion and supporting this conclusion with evidence and information suitable to the topic, purpose, genre, and audience.
2. Express their reasoning by composing an articulate, thoughtful, grammatically correct, and logically organized piece of writing.
3. Apply their understanding of elements that shape successful writing to critique and improve their own and others’ writing through effective and useful feedback.

Oral Communication
1. Compose and deliver articulate, grammatically correct, and organized oral assignments using appropriate communication technologies as well as properly documented and supported ideas, evidence, and information suitable to the topic, purpose, oral communication activity/genre, and audience.
2. Apply your understanding of elements that shape successful oral communication such as topic, purpose, genre, and audience to critique your own and others’ delivery and provide effective and useful feedback to improve your communication.

1. **CT Outcome**: Construct a piece of reasoning by formulating a clear conclusion and supporting this conclusion with evidence and information suitable to the topic, purpose, genre, and audience.

2. Express their reasoning by composing and delivering an articulate, thoughtful, grammatically correct, and logically organized oral presentation using appropriate communication technologies.

3. Apply their understanding of elements that shape successful oral communication to critique their own and others’ oral communication through effective and useful feedback.

**Quantitative Literacy**

1. Select, analyze, and interpret appropriate numerical data used in everyday life in numerical and graphical format.

2. Identify and apply appropriate strategies of quantitative problem solving in theoretical and practical applications.

3. Construct a conclusion using quantitative justification.

**Wellness**

1. Assess your own wellness in each of the seven dimensions of wellness and explain how the dimensions and the interactions among them impact your overall personal health and well-being.

2. Develop an individual plan for healthy living that demonstrates an understanding of the principles of wellness.

3. **CT Outcome**: Evaluate reasoning by applying principles of information literacy.

**GEP Investigative Level Learning Outcomes**

Upon completing this requirement, students will be able to:

**Arts**

1. Describe, analyze or critique creative works utilizing knowledge of relevant aesthetic criteria or stylistic forms.

Do at least ONE of the following
2. Identify and explain the relationship between particular traditions or genres of creative expression and their social, historical or cultural contexts.

3. Demonstrate an understanding of creative expression by producing or performing a creative work.

1. **CT Outcome**: Interpret or critique creative works utilizing knowledge of relevant aesthetic criteria or stylistic forms. 
   Do at least ONE of the following
   2. Identify and explain the relationship between particular traditions or genres of creative expression and their social, historical or cultural contexts.
   3. Demonstrate an understanding of creative expression by producing or performing a creative work.

**Humanities**

3. Read closely, think critically, and write effectively about texts or cultural artifacts that reflect on perennial questions concerning the human condition (such as the search for truth and meaning, the confrontation with suffering and mortality, or the struggle for justice, equality, and human dignity).

4. Investigate and thoughtfully respond to a variety of ideas, beliefs or values held by persons in situations other than one’s own.

1. **CT Outcome**: Interpret and think critically about texts or other cultural artifacts that reflect on perennial questions concerning the human condition (such as the search for truth and meaning, the confrontation with suffering and mortality, or the struggle for justice, equality, and human dignity).

2. Communicate effectively about perennial questions concerning the human condition.

3. Investigate and thoughtfully respond to a variety of ideas, beliefs or values held by persons in situations other than one’s own.

**Historical Perspectives**

4. Use primary sources as evidence to answer questions about historical change.

5. Describe differences among interpretations of the past.

6. Analyze institutional and cultural changes in one or more human societies over time.

1. Describe differences among interpretations of the past.

2. **CT Outcome**: Use primary sources as evidence to answer questions about historical change.

3. Analyze institutional and cultural changes in one or more human societies over time.

**Social Sciences**

4. Explain or apply major concepts, methods, or theories used in the social sciences to investigate, analyze, or predict human behavior.
5. Examine and explain how social, cultural, or political institutions influence individuals or groups.

1. Explain or apply major concepts, methods, or theories used in the social sciences.
2. **CT Outcome:** Interpret information, make decisions, and solve problems by applying social science concepts, methods, and techniques.
3. Examine and explain how social, cultural, or political institutions influence individuals or groups.

**Natural Sciences**

1. Explain major concepts, methods, or theories in the natural sciences to investigate the physical world.
2. Interpret information, solve problems, and make decisions by applying natural science concepts, methods, and quantitative techniques.
3. Describe the relevance of aspects of the natural sciences to their lives and society.

1. Explain or apply major concepts, methods, or theories used in the natural sciences.
2. **CT Outcome:** Interpret information, make decisions, and solve problems by applying natural science concepts, methods, and techniques.
3. Describe the relevance of aspects of the natural sciences to their lives and society.

**GEP USD, GA, ER Learning Outcomes**

Upon completing this requirement, students will be able to:

**US Diversity**

4. Describe how people or institutions in the United States have constructed diverse identities and cultures based on ability, ethnicity, gender, language, nationality, race, religion, sexuality, socio-economic status, etc.
5. Explain how individuals or groups in the United States have responded to the experience of discrimination and inequality.
6. Demonstrate understanding of and empathetic insight about diverse cultural perspectives in the United States.

1. Describe how people or institutions in the United States have constructed diverse identities and cultures based on ability, ethnicity, gender, language, nationality, race, religion, sexuality, socio-economic status, etc.
2. Explain how individuals or groups in the United States have responded to the experience of discrimination and inequality.
3. **CT Outcome:** Evaluate competing claims that inform debates on U.S. diversity.
Global Awareness
  5. Identify the key components found within one or more cultures that are distinct from those found in predominantly English-speaking cultures.
  6. Analyze key forces or processes that contribute to global interconnectedness, and their implications.
  7. Demonstrate curiosity and empathetic insight about diverse cultural perspectives.

1. Identify the key components found within one or more cultures that are distinct from those found in predominantly English-speaking cultures.
2. Analyze key forces or processes that contribute to global interconnectedness, and their implications.
3. **CT Outcome**: Evaluate competing claims that inform global debates.

Environmental Responsibility
  7. Identify interactions between human society and the natural environment.
  8. Analyze the individual, social, cultural, and ecological factors that influence environmental sustainability.
  9. Evaluate competing claims that inform environmental debates.

1. Identify interactions between human society and the natural environment.
2. Analyze the individual, social, cultural, and ecological factors that influence environmental sustainability.
3. **CT Outcome**: Evaluate competing claims that inform environmental debates.