

## WTCS Repository

10-809-103 Think Critically & Creatively

# Course Outcome Summary

### Course Information

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|  | Description | Provides instruction about critical and creative thinking that is in high demand in all occupations. Models, theories, and processes provide the foundation for learning logical thinking strategies. Students will apply a systematic approach to problem solving by analyzing the problem, assessing possible solutions, and making effective decisions. In addition, students will generate ideas and analyze complex issues. This course assists students with developing a critical thinking mindset which is essential at every level of personal and professional life. |
|  | Total Credits | 3 |

Pre/Corequisites

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| Prerequisite | Each Wisconsin Technical College determines the General Education course prerequisites used by their academic institution. If prerequisites for a course are determined to be appropriate, the final Course Outcome Summary must identify the prerequisites approved for use by the individual Technical College. |

### Course Competencies

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| 1. | Differentiate the concepts of thinking and critical thinking | |
|  | Assessment Strategies | |
|  | 1.1. | Oral, Written, Graphic and/or Skill Assessment |
|  | Criteria | |
|  | 1.1. | define the concept of thinking |
|  | 1.2. | identify influences on thinking |
|  | 1.3. | define the concept of critical thinking |
|  | 1.4. | contrast critical and non-critical thinking |
| 2. | Use creative thinking principles | |
|  | Assessment Strategies | |
|  | 2.1. | Oral, Written, Graphic and/or Skill Assessment |
|  | Criteria | |
|  | 2.1. | examine the factors that can block creativity |
|  | 2.2. | apply creative thinking tools |
|  | 2.3. | identify creative thinking abilities |
|  | 2.4. | apply the creative thinking process |
| 3. | Assess one's own personal thinking strengths and weaknesses | |
|  | Criteria | |
|  | 3.1. | Identify strengths of one's own personal thinking |
|  | 3.2. | Identify weaknesses of one's own personal thinking |
|  | 3.3. | establish personal goals to improve one's thinking |
| 4. | Examine obstacles to critical thinking | |
|  | Assessment Strategies | |
|  | 4.1. | Oral, Written, Graphic and/or Skill Assessment |
|  | Criteria | |
|  | 4.1. | identify fallacies of reasoning |
|  | 4.2. | evaluate claims made by others |
|  | 4.3. | identify bias types |
| 5. | Apply the critical thinking process | |
|  | Assessment Strategies | |
|  | 5.1. | Oral, Written, Graphic and/or Skill Assessment |
|  | Criteria | |
|  | 5.1. | determine purpose |
|  | 5.2. | identify question to be answered |
|  | 5.3. | gather information |
|  | 5.4. | arrive at solution(s) |
|  | 5.5. | analyze concepts |
|  | 5.6. | identify assumptions |
|  | 5.7. | evaluate consequences of solution(s) |
|  | 5.8. | assess multiple perspectives |
| 6. | Solve problems by applying a logical process | |
|  | Assessment Strategies | |
|  | 6.1. | Oral, Written, Graphic and/or Skill Assessment |
|  | Criteria | |
|  | 6.1. | apply creativity to the problem solving process |
|  | 6.2. | identify the problem |
|  | 6.3. | use specific process to solve a problem |
|  | 6.4. | assess multiple perspectives regarding the problem |
|  | 6.5. | identify possible solutions |
|  | 6.6. | evaluate the solutions |
|  | 6.7. | select solution(s) |
|  | 6.8. | implement solution(s) |
|  | 6.9. | develop plan to monitor outcome(s) |
| 7. | Apply logical thinking strategies to make decisions | |
|  | Assessment Strategies | |
|  | 7.1. | Oral, Written, Graphic and/or Skill Assessment |
|  | Criteria | |
|  | 7.1. | apply process to make decision(s) |
|  | 7.2. | identify decision to be made |
|  | 7.3. | gather information |
|  | 7.4. | identify decision option(s) |
|  | 7.5. | evaluate decision options |
|  | 7.6. | select option(s) |
|  | 7.7. | recommend an action |
|  | 7.8. | develop strategy for assessing outcome |
| 8. | Analyze complex issues | |
|  | Assessment Strategies | |
|  | 8.1. | Oral, Written, Graphic and/or Skill Assessment |
|  | Criteria | |
|  | 8.1. | identify the issue |
|  | 8.2. | provide issue facts |
|  | 8.3. | identify who is impacted by issue |
|  | 8.4. | identify issue causes |
|  | 8.5. | recommend issue resolution options |
|  | 8.6. | consider obstacles |
| 9. | Differentiate facts, inferences, and judgements | |
|  | Assessment Strategies | |
|  | 9.1. | Oral, Written, Graphic and/or Skill Assessment |
|  | Criteria | |
|  | 9.1. | discriminate between factual and non-factual information |
|  | 9.2. | identify inferences, judgments, and assumptions |
|  | 9.3. | identify characteristics of statements of fact |
|  | 9.4. | identify characteristics of statements of inference |
|  | 9.5. | identify characteristics of statements of judgement |
|  | 9.6. | distinguish between subjective and objective perspectives |