



**El Camino College**  
**COURSE OUTLINE OF RECORD – Official**

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| <b>Course Acronym:</b>              | PSYC                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Course Number:</b>               | 103                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Descriptive Title:</b>           | Critical Thinking and Psychology                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Division:</b>                    | Behavioral and Social Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Department:</b>                  | Psychology and Human Development                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Course Disciplines:</b>          | Psychology                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Catalog Description:</b>         | This course focuses on the development of critical thinking skills related to psychology. In addition to learning basic skills of logic, students will also learn about the logic of the scientific method and the common errors of human cognition that impede critical thinking. Emphasis is placed on the application of critical thinking skills to writing effective arguments, analyzing the writings of others, and understanding contemporary controversies in psychology. |
| <b>Prerequisite:</b>                | English C1000 or English C1000H with a minimum grade of C                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Co-requisite:</b>                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Recommended Preparation:</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Enrollment Limitation:</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Hours Lecture (per week):</b>    | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Hours Laboratory (per week):</b> | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Outside Study Hours:</b>         | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Total Course Hours:</b>          | 54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Course Units:</b>                | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Grading Method:</b>              | Letter Grade only                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Credit Status:</b>               | Credit, degree applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Transfer CSU:</b>                | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Effective Date:</b>              | Prior to July 1992                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Transfer UC:</b>                 | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Effective Date:</b>              | prior to fall 1992                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>General Education:<br/>ECC</b>   | Area 4B - Language and Rationality: Communication and Analytical Thinking                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Term:</b>                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Other:</b>                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>CSU GE:</b>                      | Area A3 - English Language Communication and Critical Thinking: Critical Thinking                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Term:</b>                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Other:</b>                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>IGETC:</b>                       | Area 1B - Critical Thinking and Composition                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Term:</b>                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Other:</b>                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>CalGETC:</b>                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Term:</b>                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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| Other:                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Student Learning Outcomes:</b> | <p><b>SLO #1 Logic of the Scientific Method</b></p> <p>On examination (e.g., m/c, T/F, fill-in, matching, essay), written essay, research paper, and/or oral presentation, students will be able to describe the hallmark characteristics of the scientific method and contrast it with other forms of inquiry.</p> <p><b>SLO #2 Fundamental Principles</b></p> <p>On examination (e.g., m/c, T/F, fill-in, matching, essay), written essay, research paper, and/or oral presentation, students will be able to differentiate and compare fundamental critical thinking concepts (e.g., premises, conclusions, and qualifiers; inductive versus deductive, valid versus sound arguments).</p> <p><b>SLO #3 Everyday Application</b></p> <p>On examination (e.g., m/c, T/F, fill-in, matching, essay), written essay, research paper, and/or oral presentation, students will be able to apply principles of critical thinking (e.g., logical fallacies, rhetorical devices) in their daily decision-making (product purchase, school selection, medical treatment).</p>                                                                                                                                                                                                                                           |
| <b>Course Objectives:</b>         | <ol style="list-style-type: none"> <li>1. Differentiate between the characteristics of critical and usual thinking.</li> <li>2. Identify and analyze the structure and components of arguments.</li> <li>3. Compose and evaluate arguments, applying critical thinking skills.</li> <li>4. Differentiate between deductive and inductive arguments, and evaluate various forms of each.</li> <li>5. Describe the components of credibility and assess the credibility of sources and claims.</li> <li>6. Recognize logical fallacies and other rhetorical devices, and distinguish between fallacious, non-argumentative, and argumentative reasoning in persuasion.</li> <li>7. Describe the hallmark characteristics of the scientific method and contrast it with other forms of inquiry.</li> <li>8. Analyze the strengths and weaknesses of various research designs in psychology.</li> <li>9. Evaluate issues of causal inference by differentiating between correlation and causation.</li> <li>10. Analyze the influence of language ambiguity, vagueness, and other linguistic factors on reasoning.</li> <li>11. Identify characteristics of human cognition that interfere with critical thinking.</li> <li>12. Use critical thinking skills to assess controversial issues in psychology.</li> </ol> |

**Major Topics:**

**I. Introduction (4 hours, lecture)**

- A. Definitions of Critical and Usual Thinking
- B. Common Misconceptions About Psychology
- C. The Importance of Thinking Critically About Psychology

**II. Arguments (7 hours, lecture)**

- A. Components of Arguments
  - 1. Premises and Conclusions
  - 2. Assumptions and Qualifiers
- B. Diagramming Arguments
- C. Analyzing Arguments
- D. Composing Arguments

**III. Inductive and Deductive Reasoning (6 hours, lecture)**

- A. Inductive Reasoning
  - 1. Characteristics of Inductive Arguments
  - 2. Strong Versus Weak Inductive Arguments
- B. Deductive Reasoning
  - 1. Characteristics of Deductive Arguments
  - 2. Valid and Sound Deductive Arguments

**IV. Credibility (5 hours, lecture)**

- A. Assessing the Content of a Claim
- B. Assessing the Source of a Claim
- C. Credibility and the News Media
- D. Credibility and Advertising

**V. Persuasion (7 hours, lecture)**

- A. Fallacies
- B. Other Rhetorical Devices
- C. The Impact of Fallacies and Other Rhetorical Devices on Reasoning
- D. Fallacious, Non-Argumentative, and Argumentative Reasoning

**VI. Scientific Reasoning (7 hours, lecture)**

- A. The Logic of the Scientific Method
- B. Research Designs
  - 1. Case Studies
  - 2. Correlational Designs
  - 3. Experiments

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|                                                                              | <p>C. Common Challenges of Scientific Reasoning</p> <ol style="list-style-type: none"> <li>1. Differentiating Correlation and Causation</li> <li>2. Proper Use of Case Study Information</li> <li>3. Understanding Probability</li> <li>4. Identifying Pseudoscience</li> </ol> <p><b>VII. Thought and Language (5 hours, lecture)</b></p> <p>A. Ambiguity</p> <p>B. Vagueness</p> <p>C. Emotional Tone</p> <p>D. Undefined Terms</p> <p>E. Other Linguistic Factors</p> <p><b>VIII. Characteristics of Cognition that Impact Critical Thinking (6 hours, lecture)</b></p> <p>A. Memory Errors</p> <p>B. Perceptual Errors</p> <p>C. Heuristics</p> <p><b>IX. Critical Thinking and Controversial Issues in Psychology (7 hours, lecture)</b></p> <p>A. Parapsychology</p> <p>B. Pseudoscience and Self Help</p> <p>C. Psychology and the Law</p> <p>D. Psychology and Politics</p> <p>E. Other Controversial Issues</p> |
| <b>Total Lecture Hours:</b>                                                  | 54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Total Laboratory Hours:</b>                                               | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Total Hours:</b>                                                          | 54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>A.1. Primary Methods of Evaluation (Part 1 - CCN courses only):</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>A.2. Primary Method of Evaluation (Part 2 - all courses; choose one):</b> | 1) Substantial writing assignments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Typical Assignment Using Primary Method of Evaluation:</b>                | After viewing a video of a political debate between presidential candidates, analyze the quality of argumentation provided by each candidate in a two- to three-page essay, focusing on the use of fallacies and other rhetorical devices.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Critical Thinking Assignment 1:</b>                                       | Based on assigned readings, class lecture, and discussion, write a four- to six-page argumentative essay putting forth your own position on the following issue: Can experiments using animals be justified? In your essay, focus on constructing strong argument structure, avoiding fallacies and other rhetorical devices, and applying knowledge of scientific methodology in research.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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| <b>Critical Thinking Assignment 2:</b>                                                                                                             | In a four- to six-page essay, analyze the argumentation presented in articles written on opposing sides of the following issue: Can involuntary commitment to mental hospitals be justified? In your essay, evaluate expert credibility, acceptability and consistency of premises, use of fallacies and other rhetorical devices, and overall strength of the arguments presented.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Other Evaluation Methods:</b>                                                                                                                   | Completion, Essay Exams, Matching Items, Multiple Choice, Term or Other Papers, True/False, Written Homework                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Instructional Methods:</b>                                                                                                                      | Discussion, Group Activities, Lecture, Multimedia presentations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>If other:</b>                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Work Outside of Class:</b>                                                                                                                      | Answer questions, Required reading, Study, Written work (such as essay/composition/report/analysis/research)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>If Other:</b>                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Up-To-Date Representative Texts:</b>                                                                                                            | Brooke Noel Moore, Richard Parker. Critical Thinking. McGraw Hill Humanities, 2017. (Discipline Standard)<br><br>Judith Boss. Think: Why You Think the Way You Do. McGraw Hill, 2017. (Discipline Standard)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Alternative Texts:</b>                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Required Supplementary Readings:</b>                                                                                                            | How to Think About Weird Things: Critical Thinking for a New Age, Theodore Schick, Lewis Vaughn, McGraw Hill Higher Education, 2023.<br><br>Critical Thinking, Brooke Moore & Richard Parker, Pearson, 2024.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Other Required Materials:</b>                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Requisite:</b>                                                                                                                                  | Prerequisite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Category:</b>                                                                                                                                   | communication or computation skill                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Requisite course(s):<br/>List both prerequisites and corequisites in this box.</b>                                                              | English C1000 or English C1000H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Requisite and Matching skill(s):</b><br><b>Bold the requisite skill.</b><br><b>List the corresponding course objective under each skill(s).</b> | <p><b>The student should be able to locate and correct grammatical errors (e.g., sentence fragments, misused commas, incorrect pronoun case, subject-verb disagreement, and incorrect tense) in the own essays or in other written works.</b></p> <p>ENGL C1000 - Recognize and revise sentence-level grammar and usage errors.</p> <p>ENGL C1000H - Recognize and revise sentence-level grammar and usage errors.</p> <p><b>The student should be able to demonstrate critical thinking skills in the reading of essays, fiction, and nonfiction. These skills include, but are not limited to, the ability to locate key components in written materials (e.g., the thesis statement, the central theme), summarize and paraphrase written material, evaluate support and evidence, and compare and contrast two written works or different portions of one written work.</b></p> <p>ENGL C1000 - Read and apply critical-thinking skills to numerous published articles and to college-level, book-length works for the purpose of writing and discussion.</p> <p>ENGL C1000 - Demonstrate ability to locate and utilize a variety of academic databases, peer-reviewed journals, and scholarly websites.</p> <p>ENGL C1000H - Read and apply critical-thinking skills to numerous published articles and to college-level, book-length works for the purpose of writing and discussion.</p> <p>ENGL C1000H - Demonstrate ability to locate and utilize a variety of academic databases, peer-reviewed journals, and scholarly websites.</p> <p><b>The student should be able to compose essays and research papers. Composition includes, but is not limited to, composing thesis and topic statements, composing paragraphs, organizing compositions, using support, and performing research</b></p> |

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|                                                                                                                                                              | <p><b>techniques to write a research paper.</b></p> <p>ENGL C1000 - Apply appropriate strategies in the writing process including prewriting, composing, revising, and editing techniques.</p> <p>ENGL C1000 - Compose multi-paragraph, thesis-driven essays with logical and appropriate supporting ideas, and with unity and coherence.</p> <p>ENGL C1000 - Utilize MLA guidelines to format essays, cite sources in the texts of essays, and compile Works Cited lists.</p> <p>ENGL C1000H - Apply appropriate strategies in the writing process including prewriting, composing, revising, and editing techniques.</p> <p>ENGL C1000H - Compose multi-paragraph, thesis-driven essays with logical and appropriate supporting ideas, and with unity and coherence.</p> |
| <b>Requisite Skill:</b>                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Requisite Skill and Matching Skill(s):</b><br><b>Bold the requisite skill(s). If applicable</b>                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Requisite course:</b>                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Requisite and Matching skill(s):</b><br><b>Bold the requisite skill.</b><br><b>List the corresponding course objective under each skill(s).</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Requisite Skill:</b>                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Requisite Skill and Matching skill(s):</b><br><b>Bold the requisite skill. List the corresponding course objective under each skill(s). If applicable</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Enrollment Limitations and Category:</b>                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Enrollment Limitations Impact:</b>                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Course Created by:</b>                                                                                                                                    | Ron Wood                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Date:</b>                                                                                                                                                 | 10/01/1987                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Original Board Approval Date:</b>                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Last Reviewed and/or Revised by:</b>                                                                                                                      | Amy Himself                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Date:</b>                                                                                                                                                 | 09/20/2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Last Board Approval Date:</b>                                                                                                                             | 12/16/2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Effective Term:</b>                                                                                                                                       | FA 2026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |