

**PALOMAR COLLEGE**  
**COURSE OUTLINE OF RECORD FOR**  
**DEGREE CREDIT COURSE**

Transfer course     A.A. degree applicable course  
(check all that apply)

**COURSE NUMBER AND TITLE:** Philosophy 120 - Logic

**UNIT VALUE:** 3

**MINIMUM NUMBER OF SEMESTER HOURS:** 48

**BASIC SKILLS REQUIREMENTS:** Appropriate language skills

**ENTRANCE REQUIREMENTS**

**PREREQUISITE:** None

**COREQUISITE:** None

**RECOMMENDED PREPARATION:** None

**SCOPE OF COURSE:**

An analysis of arguments and the cognitive function of language through the use of modern symbolic techniques.

**SPECIFIC COURSE OBJECTIVES:**

Successful students will:

1. Identify, explain and use valid forms of deductive and inductive arguments.
2. Analyze the logical syntax of statements and arguments with modern symbolic and categorical techniques.
3. Employ rules of logic in the use of natural deduction and deductive analysis.
4. Recognize common logical fallacies.

**CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:**

A typical course will include such topics as:

- A. Logical Structures in Language
  1. Symbolic Analysis of Propositional Forms
  2. Negations
  3. Conjunctions
  4. Disjunctions
  5. Conditionals
  6. Quantification Theory
- B. Elementary Inference Forms
  1. Validity

- 2. Soundness
- 3. Cogency
- 4. Truth Tables and Trees
- 5. Formal Logical Fallacies
- C. Natural Deductions and Formal Proof
  - 1. Using Inference Rules
  - 2. Using Transformation Rules
- D. Induction
- E. Formal and Informal Logical Fallacies

**REQUIRED READING:**

Typical required reading will include such works as:

Hurley, Patrick. A Concise Introduction to Logic. 4<sup>th</sup> ed. Belmont: Wadsworth, 1992.

**SUGGESTED READING:**

Kneale, William and Mary Kneale. A History of Logic. London: Oxford University Press, 1962.

Copi, Irving and Jay Gould. Contemporary Readings in Logical Theory. New York: Macmillan, 1967.

**REQUIRED WRITING:**

Each student may be required to write not less than ten pages of a double spaced and typed research or position paper which will critically evaluate a philosophical problem in logic and some of its proposed solutions. The paper will be evaluated for its composition and style as well as for its demonstration of philosophical analysis and critical thinking techniques.

**OUTSIDE ASSIGNMENTS:**

**Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short-term classes.**

Students are required to spend at least 144 hours outside of class studying lecture notes, working problem sets, reading texts and articles, writing papers and relating the course content to current events of the day by surveying popular news sources and professional journals.

**INSTRUCTIONAL METHODOLOGY:**

**Check all that apply:**

- lecture
- laboratory
- lecture-laboratory combination
- directed study

**DISTANCE LEARNING:**

**This course may be offered as a distance learning course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.**

Yes \_\_\_\_\_ No X

**If yes, check all that apply.**

- \_\_\_\_\_ Television Course (Video one-way, e.g. ITV, video cassette, etc.)
- \_\_\_\_\_ Online Course (Text one-way, e.g. newspaper, correspondence, electronic file, etc.)
- \_\_\_\_\_ Two-Way Video Conferencing (Two-way interactive video and audio)
- \_\_\_\_\_ One-Way Video Conferencing (One-way interactive video and two-way interactive audio)
- \_\_\_\_\_ Computer Assisted Instruction (A specialized form of mediated instruction relying primarily on student access to information and prepared lessons or teaching materials through a computer terminal, but not under immediate supervision of a qualified instructor.)

**GRADING POLICY AND STANDARDS** (include methods of determining whether the stated objectives have been met by students):

Grading will usually be based upon four examinations and the position paper or term paper. Exams will represent 80%, the papers 20%.

The grading scale is : A = 90, B = 80, C = 70, D = 60, F = 59 or less.

**IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?**

Yes \_\_\_ No X Number of times course may be taken for credit: 1

If yes, identify specific provision of Title 5 Division 2 section(s), 55761-55763 and 58161 which qualifies course as repeatable:

**CONTACT PERSON:** Zachary Seech X2650

**SIGNATURES:**

SIGNATURES ON FILE