

El Paso Community College

Syllabus

Part II

Official Course Description

SUBJECT AREA	<u>Philosophy</u>
COUSRE RUBRIC AND NUMBER	<u>PHIL 2303</u>
COURSE TITLE	<u>Logic</u>
COUSE CREDIT HOURS	<u>3 3 :</u> <u>0</u>
	Credits Lec Lab

I. Catalog Description

The purpose of the course is to introduce the student to symbolic logic, including syllogisms, propositional and predicate logic, and logical proofs in a system of rules. **(3:0)**.

II. Course Objectives

Upon satisfactory completion of this course, the student will be able to:

- A. Recognize and distinguish between arguments and various forms of non-arguments.
- B. Evaluate immediate inferences and categorical syllogisms using one or more methods.
- C. Employ the truth table method of evaluating arguments in the language of propositional logic.
- D. Translate English sentences into the language of symbolic propositional logic
- E. Read and evaluate by the method of natural deduction arguments set forth in the language of propositional logic.
- F. Recognize, construct and evaluate sound syllogistic arguments.
- G. Recognize and identify various informal fallacies in English passages.

1. Unit Titles

- a. UNIT I: Fundamental Concepts of Argument and Formal Logic
- b. UNIT II: Categorical Propositions and Immediate Inference
- c. UNIT III: Categorical Syllogisms
- d. UNIT IV: Propositional Logic
- e. UNIT V: Natural Deduction
- f. UNIT VI: Fundamental Concepts of Critical Thinking

III. THECB Learning Outcomes (ACGM)

Upon successful completion of this course, students will:

- 1. Determine the logical structure of English arguments by identifying premises and conclusions.
- 2. Understand basic concepts in logic, such as truth functionality, validity, soundness, counter-examples, tautology, self-contradiction, logical equivalence, logical contradictoriness, and logical consistence.
- 3. Translate English statements into propositional and/or predicate notation.
- 4. Determine the validity of symbolic propositional or predicate arguments using such methods as direct/indirect truth tables, natural deduction, and/or the finite universe method.

IV. Evaluation

- A. Pre-assessment: not applicable
- B. Post-assessment
 - 1. The instructor will maintain a continuous record of each student's progress. Regular participation will be considered a key component of that progress. A reading exercise will be completed by the student on each reading assignment. Examinations and projects, including debates and student presentations, may also be utilized.
 - 2. Grading: Grading will be determined by the individual instructor. Percentages can be allocated for examinations, term papers, projects, presentations, debates, and classroom participation, which may include special reports as assigned by the instructor.
- C. Remediation: If a student has difficulty with the reading exercises, the instructor may recommend appropriate remedial measures (e.g. further study, a reading course, a tutor, etc.). The instructor may also allow extra examinations of assignments.
- D. Attendance: Dropping a Student: The instructor may drop a student from the course if the student fails to comply with the stated attendance policy in the course syllabus or is failing the class prior to the last official withdrawal date. An Instructor Initiated Withdrawal Authorization form will be submitted to the Student Services Coordinator upon dropping a student from the roster. Withdrawal procedures will follow EPCC procedure as stated in the College catalogue.
- E. Incomplete: Should a student be unable to complete the course objectives for reasons beyond his/her control, the instructor may assign an "I" for the class. A request for Assignment of Incomplete Grade must be submitted to The Student Services Coordinator at the time the final grades are submitted. The student must sign the incomplete form.

V. Disability Statement (American with/Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

VI. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.