UVU UTAH VALLEY UNIVERSITY

Master Course Syllabus

For additional course information, including prerequisites, corequisites, and course fees, please refer to the Catalog: https://catalog.uvu.edu/

Semester: Spring
Course Prefix: PHIL
Course Title: Formal Logic I

Year: 2025
Course and Section #: 2000 001
Credits: 3

Course Description

Introduces the basic elements of categorical logic as well as formalized propositional logic and formalized first-order quantificational logic. Includes Venn diagrams, proofs, truth tables, tableaux and translations from natural language.

Course Attributes

This course has the following attributes:

☐ General Education Requirements
☐ Global/Intercultural Graduation Requirements
☐ Writing Enriched Graduation Requirements
☒ Discipline Core Requirements in Program
☐ Elective Core Requirements in Program
☐ Open Elective
Other: *Click here to enter text.*

Instructor Information

Instructor Name: Kelli D Potter

Student Learning Outcomes

1. Utilize the basic concepts, method, and theories in formal approaches to deductive logic.
2. Apply the basic concepts, methods, and theories of formal logic.
3. Describe the historical and philosophical context for the development of formal logic.
4. Appreciation of the role of formal logic in contemporary philosophy and other disciplines.
5. Awareness of the content of the sub-discipline of formal logic.

Course Materials and Texts

Russell Marcus, *Introduction to Formal Logic with Philosophical Applications*, Oxford UP.
Online Readings

Course Requirements

Course Assignments, Assessments, and Grading Policy

Class participation is required. This includes class attendance, class discussion, and board exercises. 2. You will be required to complete homework assignments from the textbook. You will need to upload these as a single PDF. (You can find apps that will convert multiple pictures from your phone into one PDF—e.g., genius scan.) 3. There will be in-class (and possibly online) quizzes. These will include questions from the material in the book as well as the material from lecture. Usually, the quiz will be short (only 20 minutes). These count toward your class participation grade. 4. There will be 3 exams. The exams will consist of logic problems/exercises similar to the ones in the homework, short-answer comprehension and conceptual questions, and essay questions. **COURSE POLICIES:** 1. **No phones!** 2. **Attendance *in class* is required. Each unexcused absence will reduce your overall grade by 1/2 of a letter grade. An absence is excused if and only if (i) it is a documented medical/family emergency or (ii) it is due to participation in an official school sponsored activity such as athletics. Evaluation breakdown** Exams 70% Participation and Attendance 15% Homework 15% Quizzes 0%

Required or Recommended Reading Assignments
Click here to enter text.

General Description of the Subject Matter of Each Lecture or Discussion
Arguments
Deductive Logic
Propositional Logic
Chapter 1: Reading and Exercises 1.4
Chapter 2: Exercises
Chapter 3
Chapter 4
Exam 1 Take Home
Exam 1 Part 2 In class
Exam 2: Syllogistic Logic
Final Exam

Required Course Syllabus Statements

Generative AI
The Department of Philosophy and Humanities recognizes that Artificial Intelligence and Natural Language Processing Tools are largely accessible to students and will be used by many in higher education for the foreseeable future. However, the skills taught in the humanities are unique. We aim to educate students in the careful reading of texts, the development of rigorous writing skills, the analysis and use of arguments, and to foster the thoughtful application of each of these skills in students' personal and social development. Research has not yet determined what bearing the use of AI tools in the classroom will have upon the successful acquisition of these skills.

Therefore, at this time, online learning support platforms (like ChatGPT or Google Bard) may not be used for course assignments in our department except as explicitly authorized by the instructor. Any assignment or content composed by any resource other than the student (whether human or digital) must be attributed to the source through proper citation. Unacknowledged use of online learning support platforms is a form of

scholastic dishonesty and will be treated as such.

Some of our language has been adapted from the University of Minnesota

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Using Remote Testing Software

☒ This course does not use remote testing software.

☐ This course uses remote testing software. Remote test-takers may choose their remote testing locations. Please note, however, that the testing software used for this may conduct a brief scan of remote test-takers' immediate surroundings, may require use of a webcam while taking an exam, may require the microphone be on while taking an exam, or may require other practices to confirm academic honesty. Test-takers therefore shall have no expectation of privacy in their test-taking location during, or immediately preceding, remote testing. If a student strongly objects to using test-taking software, the student should contact the instructor at the beginning of the semester to determine whether alternative testing arrangements are feasible. Alternatives are not guaranteed.

Required University Syllabus Statements

Accommodations/Students with Disabilities

Students needing accommodations due to a permanent or temporary disability, pregnancy or pregnancy-related conditions may contact UVU [Accessibility Services](#) at [accessibilityservices@uvu.edu](#) or 801-863-8747.

Accessibility Services is located on the Orem Campus in BA 110.

Deaf/Hard of Hearing students requesting ASL interpreters or transcribers can contact Accessibility Services to set up accommodations. Deaf/Hard of Hearing services can be contacted at [DHHservices@uvu.edu](#)

DHH is located on the Orem Campus in BA 112.

Academic Integrity

At Utah Valley University, faculty and students operate in an atmosphere of mutual trust. Maintaining an atmosphere of academic integrity allows for free exchange of ideas and enables all members of the community to achieve their highest potential. Our goal is to foster an intellectual atmosphere that produces scholars of integrity and imaginative thought. In all academic work, the ideas and contributions of others must be appropriately acknowledged and UVU students are expected to produce their own original academic work.

Faculty and students share the responsibility of ensuring the honesty and fairness of the intellectual environment at UVU. Students have a responsibility to promote academic integrity at the university by not participating in or facilitating others' participation in any act of academic dishonesty. As members of the academic community, students must become familiar with their [rights and responsibilities](#). In each course, they are responsible for knowing the requirements and restrictions regarding research and writing, assessments, collaborative work, the use of study aids, the appropriateness of assistance, and other issues. Likewise, instructors are responsible to clearly state expectations and model best practices.

Further information on what constitutes academic dishonesty is detailed in [UVU Policy 541: *Student Code of Conduct*](#).

Equity and Title IX

Utah Valley University does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age (40 and over), disability, veteran status, pregnancy, childbirth, or pregnancy-related conditions, citizenship, genetic information, or other basis protected by applicable law, including Title IX and 34 C.F.R. Part 106, in employment, treatment, admission, access to educational programs and activities, or other University benefits or services. Inquiries about nondiscrimination at UVU may be directed to the U.S. Department of Education's Office for Civil Rights or UVU's Title IX Coordinator at 801-863-7999 – TitleIX@uvu.edu – 800 W University Pkwy, Orem, 84058, Suite BA 203.

Religious Accommodation

UVU values and acknowledges the array of worldviews, faiths, and religions represented in our student body, and as such provides supportive accommodations for students. Religious belief or conscience broadly includes religious, non-religious, theistic, or non-theistic moral or ethical beliefs as well as participation in religious holidays, observances, or activities. Accommodations may include scheduling or due-date modifications or make-up assignments for missed class work.

To seek a religious accommodation, a student must provide written notice to the instructor and the Director of Accessibility Services at accessibilityservices@uvu.edu. If the accommodation relates to a scheduling conflict, the notice should include the date, time, and brief description of the difficulty posed by the conflict. Such requests should be made as soon as the student is aware of the prospective scheduling conflict.

While religious expression is welcome throughout campus, UVU also has a [specially dedicated space](#) for meditation, prayer, reflection, or other forms of religious expression.