

The Ohio State University
Colleges of the Arts and Sciences New Course Request

Philosophy Department

Academic Unit

Philosophy

Book 3 Listing (e.g., Portuguese)

Philosophy 450 Philosophy of Logic

Number Title

Philosophy of Logic

UG

5

18-Character Title Abbreviation

Level

Credit Hours

Summer

Autumn

Winter **X**

Spring

Year

Proposed effective date, choose one quarter and put an "X" after it; and fill in the year. See the OAA curriculum manual for deadlines.

A. Course Offerings Bulletin Information

Follow the instructions in the OAA curriculum manual. If this is a course with decimal subdivisions, then use one New Course Request form for the generic information that will apply to all subdivisions; and use separate forms for each new decimal subdivision, including on each form the information that is unique to that subdivision. If the course offered is less than a quarter or a term, please complete the Flexibly Scheduled/Off Campus/Workshop Request form.

Description (not to exceed 25 words): **This course provides an introduction into a variety of distinctly philosophical issues related to logic and its formal development. Presupposes a background in formal logic.**

Quarter offered: **W** Distribution of class time/contact hours:

Quarter and contact/class time hours information should be omitted from Book 3 publication (yes or no):

Prerequisite(s): **Philosophy 250 or equivalent**

Exclusion or limiting clause:

Repeatable to a maximum of _____ credit hours.

Cross-listed with:

Grade Option (Please check): Letter **X** S/U Progress What course is last in the series? _____

Honors Statement: Yes No **X**

GEC: Yes No **X**

Admission Condition

Off-Campus: Yes No **X**

EM: Yes No **X**

Course: Yes No

Embedded Honors Statement: Yes No **X**

Other General Course Information:

(e.g. "Taught in English." "Credit does not count toward BSBA degree.")

B. General Information

Subject Code _____ Subsidy Level (V, G, T, B, M, D, or P) _____

If you have questions, please email Jed Dickhaut at dickhaut.1@osu.edu.

1. Provide the rationale for proposing this course: **This new course is designed to fill a perceived gap between PHIL 250 (Introduction to Symbolic Logic), and PHIL 650 (Advanced Symbolic Logic). Its addition to our curriculum will complete a smooth progression for the serious Logic student, from 150 through 250, 450, and 650 to 750. The course will also serve the needs of less technically-minded Philosophy students who would like to know more about various philosophical issues surrounding Logic, and about issues in other areas of Philosophy (such as metaphysics, epistemology and philosophy of language) for whose analysis Logic can provide some useful tools. We expect that it will also be of interest to some students in linguistics, cognitive science, and computer science.**

2. Please list Majors/Minors affected by the creation of this new course. Attach revisions of all affected programs. This course is (check one): Required on major(s)/minor(s) A choice on major(s)/minors(s) An elective within major(s)/minor(s) A general elective:

3. Indicate the nature of the program adjustments, new funding, and/or withdrawals that make possible the implementation of this new course.

The Philosophy Department already has a number of faculty who are qualified, and would be eager to, teach this course. We plan to enter this course into our 400-level rotation of core courses, probably to be offered every other year, depending upon perceived demand.

4. Is the approval of this request contingent upon the approval of other course requests or curricular requests?

Yes No List:

5. If this course is part of a sequence, list the number of the other course(s) in the sequence: _____



6. Expected section size: **15-25** Proposed number of sections per year: **1**

7. Do you want prerequisites enforced electronically (see OAA manual for what can be enforced)? Yes No

8. This course has been discussed with and has the concurrence of the following academic units needing this course or with academic units having directly related interests (*List units and attach letters and/or forms*):
Not Applicable

9. Attach a course syllabus that includes a topical outline of the course, student learning outcomes and/or course objectives, off-campus field experience, methods of evaluation, and other items as stated in the OAA curriculum manual and e-mail to asccurrofc@osu.edu.

Approval Process The signatures on the lines in ALL CAPS (e.g. ACADEMIC UNIT) are required.

<p>1.  Academic Unit Undergraduate Studies Committee Chair</p>	<p>Tamar Rudavsky Printed Name</p>	<p>8/07/07 Date</p>
<p>2. Academic Unit Graduate Studies Committee Chair</p>	<p>Justin D'Arms Printed Name</p>	<p>Date</p>
<p>3.  ACADEMIC UNIT CHAIR/DIRECTOR</p>	<p>Donald Hubin Printed Name</p>	<p>8/2/07 Date</p>
<p>4. After the Academic Unit Chair/Director signs the request, forward the form to the ASC Curriculum Office, 105 Brown Hall, 190 West 17th Ave. or fax it to 688-5678. Attach the syllabus and any supporting documentation in an e-mail to asccurrofc@osu.edu. The ASC Curriculum Office will forward the request to the appropriate committee.</p>		
<p>5. COLLEGE CURRICULUM COMMITTEE</p>	<p>Printed Name</p>	<p>Date</p>
<p>6. ARTS AND SCIENCES EXECUTIVE DEAN</p>	<p>Printed Name</p>	<p>Date</p>
<p>7. Graduate School (if appropriate)</p>	<p>Printed Name</p>	<p>Date</p>
<p>8. University Honors Center (if appropriate)</p>	<p>Printed Name</p>	<p>Date</p>
<p>9. Office of International Education (if appropriate)</p>	<p>Printed Name</p>	<p>Date</p>
<p>10. ACADEMIC AFFAIRS</p>	<p>Printed Name</p>	<p>Date</p>

PHILOSOPHY 450

PHILOSOPHY OF LOGIC

INSTRUCTOR:

COURSE DESCRIPTION:

This new course is designed to fill a perceived gap between PHIL 250: Introduction to Symbolic Logic, and PHIL 650: Symbolic Logic. Its addition to our curriculum will complete a smooth progression for the serious Logic student, from 150 through 250, 450, and 650 to 750. The course will also cater to less technically-minded Philosophy students who would like to know more about various philosophical issues surrounding logic, and about issues in other areas of philosophy (such as metaphysics, epistemology and philosophy of language) for whose analysis logic can provide some useful tools.

COURSE OBJECTIVES:

The aim of this course is to get students with an interest in logic to learn more about its philosophical basis. Students will explore the philosophical issues motivating and the implications raised by particular logical systems in more depth than is offered in standard logic courses. Students will be expected to acquire an analytical understanding of the issues raised and the principal arguments in favor of the various theses held in connection with them. Students will also be expected to learn how to critically analyze and assess differing opinions, develop arguments in favor of their own views on them, and to learn how to express these views clearly and incisively in discussion and in writing.

PREREQUISITES:

Philosophy 250 or equivalent.

COURSE TEXTS:

N. Tennant, *Natural Logic*, 2nd edn., Edinburgh University Press, 1990
S. Haack, *Philosophy of Logics*, Cambridge University Press, 1978
D. Jacquette, ed., *Philosophy of Logic*, Blackwell, 2001.
Packet of photocopied articles chosen by the instructor.

COURSE TOPICS:

Reference: names and indexicals.
Definite descriptions.
Quantification: first order; second order; plural.
Identity and indiscernibility.
Non-denoting terms and free logic.

Semantic closure and paradoxes.
Tarski's definition of truth.
Deflationism.

Logical consequence and deducibility.
Proof-theoretic v. model-theoretic accounts of the meanings of logical constants.
The justification of deduction.
Intuitionistic v. classical logic.

Conditionals.
Propositional attitudes and modal operators.
Referential opacity and intensionality.

Elements of the main philosophically interesting extensions of classical logic:
modal logic;
deontic logic;
doxastic/epistemic logic;
tense logic.

Logical analyses/explications of the following important notions in metaphysics and the philosophy of science:
supervenience;
reductionism;
hypothetico-deductive method;
cognitive significance

COURSE ASSIGNMENTS AND ASSESSMENT:

50% One term paper on a specialized topic (3,000 words)
40% Final exam (two short essays from a list of six options)
10% Class participation

ACADEMIC MISCONDUCT

In accordance with Faculty Rule 3335-5-487, all suspected cases of academic misconduct will be reported to the university's Committee on Academic Misconduct. For further details, see the Code of Student Conduct at http://studentaffairs.osu.edu/resource_csc.asp

DISABILITY SERVICES

Students with disabilities that have been certified by the Office for Disability Services will be appropriately accommodated and should inform the instructor as soon as possible of their needs. For further information, see the website of the Office of Disability Services at <http://www.ods.ohio-state.edu/>